

MAHATMA GANDHI UNIVERSITY

Vol. I

SELF STUDY REPORT

Submitted to

National Assessment and Accreditation Council for Re-accreditation



Mahatma Gandhi University

Self –Study Report for NAAC Re-accreditation, 2016

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Preface

Mahatma Gandhi University seeks to make advances in the field of higher education by catering to "the scholastic and developmental needs of the individual, through continuous creation of critical knowledge base for the society's sustained and inclusive growth". Towards fulfilling this goal, Mahatma Gandhi University has made immense strides in the fields of inter disciplinary learning and research.

The University was previously accredited by NAAC in September 2003 with 'B+' and further in July 2011, with 'B' Grade (2.90). The University is now prepared for its third cycle of accreditation by NAAC. We have made concerted efforts to gear up in the areas of teaching, research and extension, the trinity of responsibilties of higher education. As we submit this self-study report, Mahatma Gandhi University has been selected as the Best University in the state by the Honourable Chancellor for the award of Excellence for the year 2016.

Over the years, successful implementation of the various programmes has ensured equity and accessibility to higher education in the University. Introduction of new technologies over the last few years has improved the teaching, learning and evaluation processes which have been reflected in the student progression. Recognition of the research activities of the University by Department of Science and Technology, through support given twice through the PURSE programme, several mega projects by nano- mission to set up a centre for excellence in Nanoscience and Nanotechnology and the Sophisticated Analytical Instrumentation Facility, the Boot to University Interdisciplinary Science Education and Research (BUILDER) by the Department of Biotechnology, the prestigious 'Obama-Singh 21st Century Knowledge Initiative under the INDO-US collaborative programme' by UGC in 2012, have been a few among the achievements of the University during the present assessement period. The University has also been able to carryout extensive extension activities, besides establishing a large number of collaborations.

It is with immense pleasure that I submit the Self Study Repot (SSR) for the third cycle of assessement to the National Assessement and Accreditation Council, Bengaluru.

Sd/-

Dr. Babu SebastianVice-Chancellor

Executive Summary

Mahatma Gandhi University is a major affiliating university in the state of Kerala with unique characteristics. Located in the southern part of the state, the University is spread across the main campus in the Priyadarsini Hills at Athirampuzha, 13 kilometres off Kottayam and seven satellite campuses. Established on 2 October 1983, Mahatma Gandhi University has jurisdiction over the districts of Kottayam, Ernakulam, Idukki and parts of Pathanamthitta and Alappuzha.

Mahatma Gandhi University offers a range of programmes at the undergraduate, postgraduate, MPhil, doctoral and post-doctoral levels through its 15 Schools, two departments, one International and Interuniversity Centre, seven Inter University Centres, nine Inter School Centres, one Business Incubation and Innovation Centre and seven constituent colleges/institutions. It is also an affiliating university with 191 aided affiliated colleges (of which 10 are autonomous), 158 unaided affiliated colleges and 86 recognized research Centres and institutes. While the Schools/Departments/Centres are inter-disciplinary in nature, most of the affiliated colleges and autonomous colleges impart education in the conventional disciplines of science, social science and humanities as well as in the professional disciplines of Engineering, Technology, Medical Sciences, Hotel Management, Fine Arts, Pedagogy and Legal Studies.

Over the last three decades, Mahatma Gandhi University has made remarkable achievements in the fields of inter-disciplinary teaching and research in the areas of pure and applied sciences, social sciences and humanities. The programmes conducted under the Credit and Semester System (CSS) in the statutory Schools/Departments/Centres in an interdisciplinary mode, are marked by their innovative curricula and their learner-oriented approaches. The CSS is essentially learner-friendly that advances interactive acquisition of knowledge in a multi-disciplinary matrix. The students are oriented to acquire knowledge with the latest developments in their fields of study. The University has consistently sustained healthy practices of designing and updating its curricula and syllabi through discussions and deliberations carried out in a democratic way among the members of the academic community. The faculty of the University comprises outstanding scholars, many of whom have made original contributions in their respective fields of specialization. The faculty and research scholars of several schools have gained widespread recognition for the commendable quality of their research publications. The University has also published journals of global standards with experts of international repute serving on the boards of these publications.

Mahatma Gandhi University currently offers research programmes in over forty disciplines through its own Schools as well as through its approved research Centres. The University has close collaboration for academic, research and extension programmes with a number of national agencies and institutions including the UGC, DST, DBT, ISRO, CSIR, DAAD, KSCSTE ICMR, BRNS, MeitY, MoES, ICCR, ICHR, ICSSR, IED, IIFT, Institute of Chinese Studies, Jinan National University, China, and the Sahitya Academy. The University is also involved in active collaboration with research institutions of international reputation such as the Max Planck Institute, Germany, Institute of Polymer research, Dresden, Germany, University of South Brittany, France, University of Paris 12, France, University of Strasbourg, France, University of Orleans, France, Dakin University, Australia, University of Nantes, France, California Institute of Technology, USA, University of Toronto, Canada, University of Trent, Canada, Catholic University, Belgium, Heidelberg University, Germany, and the Institute of Political Studies, Rennes, France, POSTECH, South Korea, Brown, Duke and Plymouth State University of USA, Technical University of Denmark, Ben-Gurion University of Israel. Some of the members of the faculty have proved to be frontrunners in the development of indigenous technologies and are holders of as many as thirty two patents, including four US patents. The University has been able to make these achievements mainly due to the healthy environment of academic interaction that exists on the campus. This is also due to the student support and other services available on the campus like the web-enabled University Library with its large collection of books, journals e-journals and the online Theses Digital Library provides open access to its enviable collection of digitized PhD dissertations. In pursuit of the University's quest for excellence, the faculty of the University have made significant contributions in their fields of specialization. In its quest for excellence, the University focuses on the following:

Access and Expansion

Being a state-run University, admissions to the various programmes in the University departments are effected in a transparent and rule-governed manner. Merit certainly is a criterion for admission, but there is also the reservation of seats for applicants belonging to the socially and economically disadvantaged sections of the society. The University is aware of the need to increase the Gross Enrolment Ratio (GER), especially among disadvantaged groups, and this has prompted us to seek funding for starting a few more departments and programmes as well as for strengthening the infrastructural facilities in the institution.

Mahatma Gandhi University has the unique distinction among all the Universities in Kerala in having the largest number of colleges affiliated to it offering a multitude of courses that stand out by the merit of their contents catering to not only conventional streams of study but also to new-generation job-oriented disciplines that have been designed taking into account the development of technology.

With a view to streamlining the admission procedure in affiliated colleges, the centralised admission procedure (CAP) has been conceptualized by the Mahatma Gandhi University, implemented from the academic year 2010 and is successfully running the process since then. As far as the student community is concerned, the biggest advantage of CAP is that an applicant

needs to submit only a single application for seeking admission to a particular course in any affiliated college offering the same, thereby minimizing the cost and time in this respect when compared to the college-wise admission. Moreover it can be ensured that the seats earmarked for SC/ST/Physically Challenged candidates are exclusively allotted to them. Unfilled seats in these categories, if any, can also be allotted to other eligible categories as per the existing rules, thereby ensuring social justice.

Considering the need of the hour, the University offers interdisciplinary as well as integrated programmes. University thus established Inter University Centres as well as Inter School Centres for promoting the interdisciplinary research and for supporting the research and academic programmes of the statutory Departments/Schools.

Equity and Inclusion

The academic programmes of the University are specifically aimed at bringing in greater sensitivity in the academic world to questions of social exclusion and marginalization and some are specifically meant to correct the imbalance that exists in society in the matter of distributing social capital. Overcoming barriers to the education of the marginalized sections is the main objective of most of the programmes. The Common Admission Test for admission to various PG programmes conducted in the University Departments/Schools ensures that the reservation policies are strictly followed. The University provides reservation for the Children with Special Needs for admission to various programmes under the University.

Quality and Excellence

Earnest efforts have been underway to strengthen and consolidate University's achievements in the areas of inter-disciplinary teaching and research following the initiatives it has taken in the recent past in ensuring curriculum revision, syllabus updating, examination reforms and faculty development. The programmes offered in the University Schools and Departments are under the CSS scheme followed in universities across the country. Academic autonomy is the uniqueness of the Schools/Departments/Centres that promote inter-disciplinary research. Inter University Centres are also responsible for promoting participatory and inter-disciplinary research. As part of the drive for improving quality and excellence, the University has improved on the following

Curricular Aspects

Mahatma Gandhi University envisages a long-term, sustainable academic environment with a view to excelling in the field of higher education by catering to the scholastic and developmental needs of its stakeholders, through continuous creation of critical knowledge base for the society's sustained and inclusive growth. The focus of the University is on the all-round development of the individual, who is expected to become skilled, cultured, socially conscious and socially useful through education. This is made possible

through the wide range of academic programmes that are available (UG, PG, Integrated Masters, MPhil, PhD, Integrated PhD, Certificate courses, Diploma, PG Diploma) for the students to opt for. In addition, the University is also gearing up to introduce new Courses through the MOOC programmes. The University follows the guidelines put forward by the relevant regulatory bodies like University Grants Commission (UGC), All India Council for Technical Education (AICTE), National Council for Teacher Education (NCTE), Pharmacy Council of India (PCI), Rehabilitation Council of India (RCI), Indian Nursing Council (INC), Bar Council of India (BCI) and Kerala State Higher Education Council while designing the curriculum. In addition, feedback from various stakeholders is also taken which helps in developing the curriculum. Introducing Open course programmes in the University Schools/Departments/Centres have further increased the academic flexibility of post graduate studies.

Teaching, Learning and Evaluation

The Credit and Semester System (CSS) of the University aims at flexibility in curriculum development, objectivity and critical approach in examination patterns, use of continuous evaluation for assessment in all educational programmes in the university campus. The CSS is also meant to provide meaningful common criteria as per the national pattern to transfer credits when students move from one institution to another within or outside the country.

CSS seeks to ensure a uniform pattern of course design, course teaching, evaluation system, academic calendar and examination time-table for all MA., M Sc., MEd., LLM, MTM, MBA., MPEd, M Tech, integrated BSc-MSc, M Phil., integrated M Sc-Ph.D and course-work of the conventional PhD programmes. CSS also ensures that all its autonomous Schools/Centre/Institutes enjoy academic flexibility in the conduct of diverse academic programmes.

The Faculty Council in each School/Department/Centre plays an important role in maintaining the quality and standard of teaching imparted. Appropriate remedial and enrichment programmes are designed based on the evaluation of academic outputs and feedback from the students.

Schools/Centres regularly conduct national and international conferences and workshops in which leading experts are invited to deliver lectures. They also interact with the faculty members and students leading to active collaboration and networking. Mahatma Gandhi University through the Erudite programmes (of the State Government) could invite six Nobel Laureates and 56 Scholars in different areas of expertise as Scholars-in-Residence. Various learner-friendly technologies have been introduced to improve and innovate the teaching-learning process.

Research, Consultancy and Extension

Research, consultancy and extension have been the strongest in creating a new knowledge base. During the assessment period, the University has published more than 1000 papers in international and national Journals. 80 major

research projects and 19 minor research projects have been completed, three industry linked projects were also completed. At present there are 28 ongoing research projects being carried out in the University. The University also conducted 159 workshops, 117 Conferences (national and international). In addition to the Schools/Department/Centres, the University has also 40 affiliated colleges and 46 affiliated research institutes as registered research Centres.

Seven University Schools/Departments have been recognized by various funding agencies for the excellence in research output.Based on the h-index value, which is a measure of the impact and productivity of a group of researchers at a Department or University, the Department of Science and Technology identified 30 Universities with h-index ranging from 42-26 for R&D support during 2010- 2011. Mahatma Gandhi University, Kottayam with an h-index of 35, was ranked 8th among the 30 Universities and ranked first among the Universities in the State of Kerala. University's present h-index is 66 which indicates a remarkable progress in research. Mahatma Gandhi University also won the Chancellor's Award for the best university in the state during 2016 based on its performance in a variety of fields.

Further, a second study was conducted and Second Phase of the PURSE programme based on Research output of the University was done by DST. Based on the h-index value of the publication (66 as per WEB of Science data), the second Phase of PURSE has been sanctioned to 14 Universities in India of which Mahatma Gandhi University is also a recipient. Mahatma Gandhi University was one among the three institutions and the only University in India for having been awarded the 'Obama-Singh 21st Century Knowledge Initiative' an INDO-US collaborative programme by UGC for the period 2012-15. The Research output of Mahatma Gandhi University was again recognised by DST and was sanctioned funds for establishing the SOPHISTICATED ANALYTICAL INSTRUMENTATION FACILITY (SAIF) 2015-2018. Mahatma Gandhi University is the only university in Kerala to be awarded the DBT BUILDER Programme for the period 2012-17. Mahatma Gandhi University was part of India's expedition in Polar Regions.

Schools/departments of the University have had wide ranging extension programmes to share its expertise and resources with other institutions and the society at large. A large number of collaborations have also been established with institutes in India and abroad as well as with industries which further helped to improve the research output of the University.

Infrastructure and Learning Resources

The University has a Planning Board headed by the Vice-Chancellor and it consists of nominees of the Chancellor, UGC and State Planning Board followed by Registrar, Finance Officer and members nominated by various teaching departments. University gets financial assistance from the central and the state governments. The Planning and Development wing of the University deals with the day-to-day affairs related to submission of proposals related to infrastructure, asset management, and space management. It includes

mobilization and administration of plan funds from the State, UGC, sponsoring bodies like Department of Science and Technology, Department of Bio-technology, Indian Council of Medical Research, Indian Council of Social Science Research, Council of Scientific and Industrial Research, Kerala State Council for Science, Technology and Environment (KCSTE) etc.

The University has a total built up area of 1,64,844sq.m (which includes the main campus and other campuses). The University has five hostels (two for boys and three for girls) which provide accommodation to almost 425 students. The University faculties have been able to improve the research infrastructure facility (major equipments) by bringing in an amount of 27.85crores through projects and State plan funds. In addition, the Department of Science and Technology through FIST, PURSE & SAIF; KSCSTE through the SARD and DBT through its BUILDER greatly improved the research infrastructure facilities.

Free Wi-Fi is available in the campus and hostels. The University has started installing High Speed Wireless Networking in the campus. This has facilitated the initiation of the e-governance programme being implemented in the University.

Mahatma Gandhi University Library and Information System consists of University Library, libraries of the Schools and four study Centres placed in different affiliated colleges under the jurisdiction of the University. The University Library was established in 1989. Situated in the main campus, it occupies purpose - built accommodation, and provides a variety of facilities and has a user-friendly environment. The library has a collection of 59,000 books, 253 journals, 2135 PhD theses and has access to 15000+ e-journals under E-ShodhSindhu. The activities of the Library are comprehensively automated using open source Library management software KOHA.

Edmodo, open-source software is implemented in some Schools of the University to facilitate transparency and ease in evaluation in a student/teacher-friendly manner without compromising the reliability and validity studies.

Student Support and Progression

According to the guidelines of CSS, Faculty Advisors are appointed for the welfare of the students of each PG Programme. Students are helped to choose appropriate electives and open courses. Each student is allotted a guide to prepare their dissertation as per the curriculum.

The Schools/Centres ensure smooth induction of fresh batches at the beginning of the academic session through an orientation programme. This orientation programme includes a welcome to the newcomers by the senior batches in which they are also introduced to the programmes, courses and the curriculum. The new comers are guided by the teaching and non-teaching staff to familiarize with the formalities after admission and help them adapt to the new environment. The senior students also render all possible support

whenever required. The students are provided with necessary guidance and counselling by the counsellors, teachers and wardens. The students are under the guidance of a faculty member who takes care of all aspects of mentoring including counselling, emotional, intellectual, moral and personal support. The University helps and encourages the students to avail various scholarships and grants like E-Grants, ASPIRE, INSPIRE, KCSTE, KVPY etc. During the last five years students belonging to different categories including PhD scholars have received 65% of their financial assistance from the Central Government and 35% from the state government. The University has several schemes for differently abled children (in School of Behavioural Sciences). The University has various schemes for skill development (spoken English, computer literacy, etc.), Additional Skill Acquisition Program (ASAP), Health Centre, Health Insurance etc. The 'Obama-Singh Knowledge Initiative' established in the School of Environmental Sciences has helped in developing student and faculty exchange programmes. The International and Inter-University Centre for Nanoscience and Nanotechnology has also had student exchange programmes with collaborating universities. The School of International Relations and Politics has collaborative academic ventures with institutions in France and China.

The University provides on an average 175 fellowship to Research Scholars who do not have any other fellowships but have qualified the University entrance examination for PhD registration.

The Department of Student Services of Mahatma Gandhi University organizes workshops/orientation programmes for teachers and students on various topics such as women counseling, campaign against ragging, career guidance, student magazine editing, ill effects of alcoholism, inter collegiate/university youth programmes, inter university youth festivals with cash awards to winners of cultural activities etc. Mahatma Gandhi University Union organizes Youth festival annually to promote art and cultural talents among the students. It also aims at encouraging camaraderie and fellowship among young artists by giving them an opportunity to display their talents on a common platform.Mahatma Gandhi University National Service Scheme has 205 units and more than 20,000 volunteers from the Arts and Science colleges of Kottayam, Ernakulam, Pathanamthitta, Idukki and Alappuzha Districts and from Mahatma Gandhi University Campus. Mahatma Gandhi University was awarded Indira Gandhi NSS National award for the Best University, 2013-14. During the year 2014-15 Mahatma Gandhi University Volunteers Manoj George and Aishwarya Lakshmi bagged the Indira Gandhi National Service Scheme Award for the Best Volunteers. All the three awards were presented by the Hon'ble President of India at a formal function held at the Durbar Hall of the Rashtrapathi Bhavan, New Delhi. During the year 2015-16 M.G University secured the NSS State Award.

Governance Leadership and Management

There is a collective leadership in the University and regular meetings and interactions with the stakeholders are held. The Vice - Chancellor interacts with various administrative departments through the Registrar. The Syndicate

is the decision making body, the Senate is the advisory body and Standing Committee of the syndicate under the chairmanship of Vice-Chancellor meets regularly with a prior agenda. Minutes are prepared, follow up measures are carried out and a continuous process of brainstorming and discussions on the issues at hand are taken up. Academic Council is responsible for the maintenance of standards of curricula, research, education and examination. The Deans, Convener of Credit and Semester System (CSS), Chairpersons-Boards of Studies (BoS), Director IQAC, University Research Committee and other designated officials are responsible for introducing new programmes, restructuring the existing ones and innovate the methods of teaching in the emerging areas of interest. The College Development Council (CDC) caters to the developmental needs of the affiliated institutions. The Director for Research ensures the quality of the research programmes by conducting entrance test, course work and periodic doctoral committee meetings. The Faculty Council meetings at various Schools/Departments/Centres ensure participatory decision-making. National/ International experts in the field concerned serve the editorial boards of journals. Involvement in research activities is treated as one of the outlets for exposing the professional talents of the teaching faculty. Acknowledging this fact, the University promotes all initiatives on the part of the teaching faculty for research oriented programmes. The IQAC has institutionalized several good practices to improve, innovate, assure and sustain quality in teaching, learning, research and administration on campus. By introducing academic audit and administrative audit, IQAC facilitated internal quality checks for the university. Feedback of teaching-learning process, self-appraisal by teachers and grievance redressal mechanism are some of the outcomes of internal quality checks. IQAC evolves strategies to improve the academic and administrative functions of the University.

Innovation and Best Practices

University has taken several initiatives towards generating environmental consciousness amongst its stakeholders through activities extending to students, teachers, administrative staff and general public. The main campus at the Priyadarsini Hills as well as the satellite campuses are maintained as ecofriendly that reflects the environmental policy of the University. The University has introduced environmental studies, component in all the UG programmes. As a part of the efforts initiated by Mahatma Gandhi University towards a sustainable future, a comprehensive 'Green Audit' has been conducted. The responsibility of conducting the 'Energy Audit' was assigned to Kerala State Productivity Council – a Kerala state government undertaking and 'Environment Audit' was assigned to the School of Environmental Sciences (SES). Rain water harvesting has been done on a major scale in most of the existing buildings and the University has one of the biggest water conservation ponds in the country with a size of 53 m x 40 m x 22 m. It holds approximately 4.5 Crore litres of water which meets the water needs of the University. The University has initiated steps to implement e-governance in full scale to promote carbon neutrality in its campuses. The University has entered into a tie-up with Clean Kerala Company for the removal of e-waste from the campus through buy-back schemes. The University has set up a Business Incubation and Innovation Centre (BIIC) in 2016 with a view to generating the entrepreneurial spirit of youth and providing customized support to early stage business ideas with high growth potential. The University also offers effective legal services and counselling for students and other stakeholders.

Profile of the University

1. Name and Address of the University:

Name	MAHATMA GANDHI UNIVERSITY		
Address	PRIYADARSINI HILLS P.O		
City: KOTTAYAM	Pin: 686560	State: KERALA	
Website:	www.mgu.ac.in		

2. For Communication

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice-	Dr. Babu	O: 0481- 2731001	9447128373	0481- 2731002	vc@mgu.ac.in
Chancellor	Sebastian	R:0481- 2731000			
Pro-Vice Chancellor	Dr. Sheena Shukkur	O: 0481- 2731005	8547889278	0481- 2732000	pvc@mgu.ac.in
D	Prof. M.R.Unni O: 0481- 2731007 R: 0481- 2731006		9562863686	0481- 2731009	
Registrar					registrar@mgu.ac.in
Steering Committee /		O: 0481- 2730003	0447002452		ashuthamas@may.aa.in
IQAC Co- ordinator	C Co- Thomas		9447223452		sabuthomas@mgu.ac.in

3. Status of the University: State University

4. Type of University: Affiliating

5. Source of Funding: Central Government and State Government

6. a. Date of Establishment of the University: 02/10/1983

b. Prior to establishment of the University, was it a/an: N/A



7. Date of recognition as a University by UGC or any other National Agency

Under Section	dd	mm	уу	Remarks
2f of UGC	02	10	1983	
12B of UGC	27	06	1988	

- 8. Has the University been recognized
 - a. By UGC as a University with Potential for Excellence: No
 - b. For its Performance by any Other Governmental Agencies: Yes
 - Adjudged as the Best University Excellence in Kerala in 2016 by the Chancellor.
 - Obama-Singh 21st Century Knowledge Initiative under the INDO-US collaborative programme UGC 2012.
 - Promotion of University Research, Science and Education (PURSE) programme by Department of Science and Technology, New Delhi.
 - Sophisticated Instrumentation Analytical Facility (SAIF) by Department of Science and Technology, New Delhi.
 - DBT BUILDER Programme for promotion of interdisciplinary studies in Science, Education and Research by Department of Biotechnology, New Delhi.
 - Nanomission programme for International and Inter University Center for Nanoscience and Nanotechnology by Department of Science and Technology, New Delhi.
 - Departments have been recognized by DST/FIST, UGC/SAP/DRS and KSCSTE/SARD.
 - Ingenuity Laboratory to be established in collaboration with University of Alberta, Canada.
 - Indira Gandhi NSS National award for the Best University, 2013-14.
- 9. Does the University have Off-Campus Centres? No
- **10.** Does the University have off-shore campuses? No



11. Location of the Campus and area:

	Location	Campus area in acres	Built up area in sq.mts
Main campus area	Athirampuzha University Campus (Rural)	103.28	107924.00
Other campuses in the country	Within the territorial jurisdiction of the University	60.2019	56920.00
Campuses abroad	NA	NA	NA

12. Provide information on the following:

- Auditorium/seminar complex with infrastructural facilities:
 - a) University Assembly Hall 370 seats
 - b) Syndicate Hall
 - c) Senate Hall
 - d) Mini Conference Hall

All statutory Schools/ Departments of the University have separate seminar halls

• Sports facilities:

- Playground: Floodlit roofed basketball court, 200 mts track, Volleyball court, Handball court, Football/Cricket Ground
- Gymnasium: Fitness Centre, Yoga/Wrestling Hall
- Any other (please specify):100 bedded sports hostel for Boys and Girls

• Hostel:

- e) Boys' hostel
 - i. Number of hostels : 2
 - ii. Number of inmates : 198
 - iii. Facilities: Basic amenities needed are provided such as:
 - TV
 - Newspapers
 - Wi-Fi
 - Mess run by students
 - Uninterrupted water supply
 - Guest Accommodation



Transport facility from hostel to various schools/departments

f) Girls' hostel

i. Number of hostels : 3

ii. Number of inmates : 226

- iii. Facilities: Basic amenities needed are provided such as:
 - TV
 - Newspapers
 - Wi-Fi
 - Guest accommodation
 - Mess
 - Uninterrupted water supply
 - Transport facility from hostel to various departments
- Residential facilities for faculty and non-teaching: 64 staff quarters, 6 staff quarters for statutory officers and 18 AP quarters for personal staff. 12 quarters for teaching staff.
- University Guest House: Facilities: Suite room 4; A/C Double Room 4; A/C Single Room 2; Non-A/C Double Room 2; Non-A/C Single Room 8; Dormitory 2.
- Cafeteria: Two canteens in the University Campus. One meant for staff and public and the other meant for students. Besides these, there are eight cafeterias in the University Campus.

Health Centre

Nature of facilities available: impatient, outpatient, ambulance, emergency care facility, etc.

There is a six bedded Health Centre in the University with modern diagnostic facilities. There are two medical officers, one of whom is a lady doctor. There are two nurses in health centre. The centre dispenses basic medicines and one dressing room for basic injuries. There is a gymnasium for women members of the staff and girl students and a lady instructor to provide necessary guidance.

• Facilities like banking, post office, book shops, etc.

1. The State Bank of Travancore has established the branch in the University (IFSC Code: SBTR0000669). There are 3 ATMs and one CDM in the Campus.



- 2. There is a Post Office (Priyadarsini Hills Post Office, Kottayam-686560)
- 3. The Department of Printing and Publishing has a book shop in the campus where books published by the University as well as other publishers are displayed for sale.

• Transport facilities to cater to the needs of the students and staff

The University operates bus services between the main campus and Kottayam/Ettumannor for both staff and students.

• Facilities for persons with disabilities

The University has tried to ensure disabled-friendly design in the construction of buildings (ramps in the main administrative block, new Pareeksha Bhavan, ramps, wheel chairs and disable-friendly toilets in schools etc.) A host of other facilities like wheel chair, battery operated vehicle etc. have also been ensured.

Animal house:

For scientific experiments, the University has an animal house in the School of Biosciences observing all norms in this regard.

Incinerator for laboratories: No incinerators have been installed in the laboratories. Steps are being taken to install the same.

• **Power House:** The University is a HT power consumer and an 11 KV Substation has been set up in the campus for power distribution.

• Waste management facility

Solid Waste Management:

Solid wastes like waste paper, old question paper, answer scripts, damaged furniture etc. are disposed through contract arrangement with agencies. Sanitary napkin destroyers have also been installed in the ladies toilets in the University Office and statutory schools/ departments.

Food Waste Management:

For effective management of food waste in the canteens of the schools, a biogas plant has been constructed and it can accommodate 80% food waste generated. The remaining food waste is deposited in pits dug in designated places in the campus. Further, proposals are in the pipeline for construction of incinerators, biogas plants/compost tanks in the campus.



13. Number of institutions affiliated to the University

Type of Colleges	Total	Permanent	Temporary
Arts, Science and Commerce	192	56	136
Law	7	1	6
Medicine*			
Engineering	43	3	40
Education	43	7	36
Management			
Others			
Hotel Management	1		1
Music & Fine Arts	1	1	
Architecture	7		7
Physical Education	1		1

^{*}Recently all the medical colleges have been re-affiliated to the Kerala University of Health and Allied Sciences

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University.

Yes. Number of Autonomous Colleges – 10

15. Furnish the following information

Particulars	Number	Number of Student
University Schools	15	
" Departments	2	
International and Inter University Centre	1	1443
Inter University Centres	7	
Inter School Centres	9	
Research Centres on the campus	27	
Constituent colleges	7	6158
Affiliated colleges	261	1,92,663



Colleges under 2(f)	71	
Colleges under 2(f) and 12B	71	
NAAC accredited colleges	67	
Colleges with Potential for Excellence (UGC)	9	
Autonomous colleges	10	
Colleges with Postgraduate Departments	142	
Colleges with Research Departments	40	
University recognized Research Institutes/Centres	46	

- 16. Does the University confirm to the specification of Degrees as enlisted by the UGC: Yes.
- 17. Academic programmes offered by the University Departments at present, under the following categories

Programmes	Number
UG	20
PG	46
Integrated Masters	1
M.Phil	27
Ph.D	62
Integrated Ph.D	5
Certificate	5
Diploma	2
PG Diploma	2
M.Tech	3
Short Term Courses	8
Total	181



18. Number of working Days during the last academic year: 216

19. Number of teaching days during the past six academic years

179.

b. 186

c. 191

d. 185

e. 192 f. 188

20. Does the University have a Department of Teacher Education? Yes.

Year of Establishment: 1992

NCTE recognition details: No. F.K.L/Med/SRO/NCTE/2005-2006 Date: 05/02/2005

Is the Department opting for assessment and accreditation separately? No.

Does the University have a Department of Physical Education? Yes. 21.

Year of Establishment: 1983

NCTE recognition details: NA

Is the Department opting for assessment and accreditation separately? No.

- In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered? NA
- Has the University being reviewed by any regulatory authority? If so, furnish a copy of report and action taken there upon: No.

Number of Positions in the University

	Te	aching Facu	Non-	Technical	
Positions	Professor	Associate Professor	Assistant Professor	teaching Staff	Staff
Sanctioned by the UGC/University/State Govt	14	26	88	1953	
Recruited	22*	24	45	1753	
Yet to be Recruited		37		200	
Number of persons working on contract				258	

^{*} Increased number is due to promotions



25. Qualifications of Teaching Staff

Highest Ouglification	Profes	ssors	Associ Profess		Assis Profe		T-4-1
Qualification	M	F	M	F	M	F	Total
Permanent Teac	hers						
D.Sc./D.Litt.	1	-	-	-	-	-	1
Ph.D.	17	4	16	5	27	8	77
M.Phil.	-	-	1	2	2	3	8
P.G.	-	-	-	-	2	3	5
Temporary Teac	hers (Gu	est Fac	culty)				
Ph.D.	-	-	-	-	8	5	13
M.Phil.	-	-	-	-	8	4	12
P.G.	-	-	-	-	10	16	26

26. Emeritus, Adjucnt and Visiting professors

	Emeritus	Adjunct	Visiting
Numbers	03	-	05

27. Chairs instituted by the University

Chairs

- 1. Dr Paulos Mar Gregorios Chair
- 2. Nelson Mandela Chair for Afro-Asian Studies
- 3. KPS Menon Chair for Diplomatic Studies
- 4. K.R.Narayanan Chair for Human Rights and Social Justice
- 5. Kuriakose Elias Chavara Chair
- 6. Sree Narayana Guru Chair
- 7. Linus Pauling Chair
- 8. The Chair on Hybrid Materials
- 9. The Chair on Nanoscience and Nanotechnology
- 10. G Sankarakurup Chair
- 11. R Narendra Prasad Chair
- 12. I C Chacko Chair
- 13. Vivekananda Chair
- 14. C H Muhammed Koya Chair
- 15. Dr. B.R. Ambedkar Chair
- 16. Kannassa Poets Chair
- 17. Pala Narayanan Nair Chair
- 18. Vaikom Muhammed Basheer Chair
- 19. Rajiv Gandhi Chair for Public Policy Studies



28. Students enrolled in the University departments during the current academic year with following details

Post Graduate programme:

Academic Year	201	0-11	201	1-12	201	2-13	201	3-14	201	4-15	201	5-16
	M	F	M	F	M	F	M	F	M	F	M	F
General	67	124	81	124	83	125	82	128	81	130	87	135
OBC	23	42	28	41	29	43	29	44	27	44	26	45
SC	18	32	21	32	22	32	22	28	25	26	23	36
ST	9	16	11	15	11	15	10	16	12	25	12	16
Total	117	214	141	212	145	215	143	216	145	225	148	232
Total	33	31	3:	53	3	60	3	59	3	70	3	80

29. Unit Cost of Education

- a) including the salary component = Rs.159.99.76.145/200264 = 7989.33
- b) excluding the salary component = Rs. 35,90,62,400/200264 = 1792.94
- 30. Academic staff College: Nil.
- 31. Does the University offer Distance Education programme (DEP): No.
- 32. Does the University have a provision for external registration of students: No.
- 33. Is the University applying for Accreditation or Re-assessement? If accreditation, name the Cycle.

Re-accreditation: Cycle 3

34. Date of Accreditation

Cycle 1: 15/09/2003, Accreditation outcome/Result: **B**+

Cycle 2: 08/01/2011, Accreditation outcome/Result: '**B**' Grade (2.90)

- 35. Does the University provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated/costituent/autonomous colleges: Yes. The Website provides a list of such colleges.
- 36. Date of establishment of Internal Quality Assurance cell and dates of submission of Annual Quality Assurance Reports (AQAR)

IQAC established on 03/11/2009

IQAC reconstituted as per NAAC guidelines on 31/10/2015

AQAR (i) 2010-11 submitted on 08/08/2016

(ii) 2011-12 submitted on 14/01/2016



- (iii) 2012-13 submitted on 10/02/2016
- (iv) 2013-14 submitted on 03/03/2016
- (v) 2014-15 submitted on 10/08/2016

37. Any other relevant data, the University would like to include (not excluding one page)

At present, Mahatma Gandhi University offers research programmes in over forty disciplines through its own Schools as well as through its approved research centres. The University has close collaboration for academic, research and extension programmes with a number of national agencies and institutions including the UGC, DST, DRS, ISRO, COSIST, CSIR, DAAD, STEC, ICMR, BRNS, MoES, ICCR, ICHR, IED, IIFT, Institute of Chinese Studies and the Sahitya Akademi. The University is also involved in active collaboration with research institutions of international reputation such as the Max Planck Institute, Germany, University of Nantes, France, California Institute of Technology, USA, University of Toronto, Canada, Catholic University, Belgium, Heidelberg University, Germany, Institute of Political Studies, Rennes, France, POSTECH, South Korea, Brown University, Duke University and Plymouth State University of USA, Technical University, Denmark and Ben-Gurion University, Israel.

The University provides a web-enabled University Library with its large collection of books, journals and e-journals, the online Theses Digital Library with open access to its enviable collection of digitized PhD dissertations. The publishing unit which has brought out hundreds of titles in Malayalam, English and Hindi, the facilities available at the School of Physical Education and Sports Sciences for developing physical culture, the ecologically sensitive extension programmes initiated by the University Departments and the National Service Scheme and the Students' Web Centre with round-the-clock web-support to the campus community are other major facets.

The Department of Science and Technology identified 30 Universities with h-index ranging from 42-26 for R&D support during 2010- 2011. Mahatma Gandhi University with an h-index of 35 was ranked 8 among the 30 Indian Universities and ranked first among all Universities of Kerala. A second Phase of the PURSE grant was sanctioned by DST to 14 Indian Universities including Mahatma Gandhi University based on the h-index value.

Prof. Dr. Sabu Thomas, Hon.Director, International and Inter University Centre for Nanoscience and Nanotechnology has the highest h-index (78), highest number of Citations (28131) and highest number of publications (820) in the state of Kerala as per Google scholar.

Mahatma Gandhi University was one among the four institutions and the only State University in India for having been awarded the "Obama-Singh 21st Century Knowledge Initiative" by UGC for the perid 2012-15.

The Research output of Mahatma Gandhi University was again recognised by DST and the University was sanctioned funds for establishing the Sophisticated Analytical Instrumentation Facility (SAIF) 2015-2018.

Mahatma Gandhi University was the only University in Kerala to be awarded the DBT BUILDER Programme for the period 2012-17.

Mahatma Gandhi University was part of India's expedition in Polar regions.

CRITERION - I: CURRICULAR ASPECTS

CRITERION - I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 How is the institutional vision and mission reflected in the academic programmes of the university?

Mahatma Gandhi University envisions excelling in the field of higher education and catering to the scholastic and developmental needs of the individual, through the continuous creation of a critical knowledge base for the society's sustained and inclusive growth. The focus of the University is on the all-round development of the individual, who is expected to become skilled, cultured, socially conscious and socially useful through education. The idea of social empowerment that the underprivileged individual gains as a result of education is built into the goals and objectives. The institutional goals are effectively translated into the academic programmes, research and extension activities of the University.

The academic consideration pertains to the production, transmission and extension of new knowledge that would facilitate national development through the imparting of advanced skills and aptitude of global demand. The programmes and courses offered by the Schools/Departments/ Centres focus on strengthening of students' knowledge in the respective areas of study and realization of core values. Since all the programmes are interdisciplinary in nature, the objective of the students' holistic development is easily achieved. The Inter School collaboration envisaged under the Credit and Semester System (CSS) makes room for open courses that promote value education and social citizenship. Inter University Centres established by the University promote interdisciplinary participatory research among the research and academic institutions within the State.

Through the range of programmes offered, the university envisages to meet the educational needs of all the stakeholders. The university promotes the use of technological innovations in teaching-learning and governance. Academic autonomy is given to Schools in curriculum design and development. The syllabi are periodically modified in tune with the developments occurring in the concerned disciplines. Advanced level training in several activities of self-development, promotion of community welfare, ensuring equity, ecological justice and environment sustainability are all integral to the university's mission and its objectives.



1.1.2 Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).

Yes. The university follows a systematic process in the design and development of the curriculum as detailed below:

The academic programmes of the University are under the Credit and Semester System (CSS) where a participatory method of curriculum development is followed. The process involves the participation of academic bodies such as Faculty Council, Boards of Studies, respective Faculties and the Academic Council. Based on the need assessment and feedback from the stakeholders, the process of curriculum development is initiated by the Faculty Council, recommended by the respective Boards of Studies and approved by the Academic Council.

Through this process, the contemporaneity and relevance of the programmes offered are ensured keeping in view the societal needs. Once the curriculum and the basic course material have been put in place, the courses are revised and updated on the basis of feedback from various stakeholders. The Boards of Studies in different subjects are as follows:

Boards of Studies

UG Boards	PG Boards	BOS in Schools/Centers
English	English	School of Behavioural Sciences
Malayalam	Hindi	School of Bio Sciences
Hindi	Malayalam	School of Chemical Sciences
Sanskrit	Mathematics	School of Computer Sciences
Arabic	Statistics	School of Environmental
French		Sciences
Syriac	Chemistry	School of Gandhian Thought & Development Studies
Political Science	Physics	School of Indian Legal Thought
History	Botany	School of International Relations & Politics
Economics	Zoology	School of Letters
Sociology	Economics	School of Management and Business Studies
Commerce	History	School of Pedagogical Sciences
Islamic History	Commerce	School of Physical Education and Sports Sciences
		School of Pure and Applied Physics
		School of Social Sciences
Psychology(UG & PG)	Political Science	School of Tourism Studies



Philosophy(UG & PG)	Computer Science	
Mathematics	Education	
Statistics	Home Science	
Physics	Arabic	
Chemistry	Management	
Botany	Engineering	
Zoology	Master of Social Work	
Computer Application	Microbiology	
Electronics		
Home sciences		
Food Science and Quality Control		
Microbiology		
Education		
Physical Education		
Management and Business Studies		
Engineering		
Law		
Geology		

- The university follows the guidelines put forward by the regulatory bodies such as University Grants Commission (UGC), All India Council for Technical Education (AICTE), National Council for Teacher Education (NCTE), Pharmacy Council of India (PCI), Rehabilitation Council of India (RCI), Indian Nursing Council (INC) and Bar Council of India (BCI) for restructuring the curricula.
- The CSS Academic Advisory Committee regularly monitors and evaluates the Credit and Semester System followed in the university Schools/Departments and Centres.
- In order to make the need assessment, Schools keenly watch the developments in the frontier areas of the disciplines. The proposals for new programmes/courses are initiated by the Schools based on the developments in the discipline, need assessment, expert discussions and feedback from the stakeholders. The faculty members of the Schools on a regular basis interact with various stakeholders including R&D organizations, industry, entrepreneurs and alumni to identify the aptitude, skill and knowledge requirements of the society. These feedbacks are obtained by informal discussions, seminars/workshops and meetings.



 To ensure quality and to keep abreast of the times, the university organises curriculum workshops in different disciplines and subjects to design curriculum not only for the Schools but also for the various programmes offered in its affiliated Colleges. In fact, the University conducted 360 workshops during the assessment period.

1.1.3 How are the following aspects ensured through curriculum design and development?

- Employability
- Innovation
- Research

> The University ensures employability by :

- Introducing Bachelor of Vocational (B.Voc.) programmes in affiliated colleges in ten different specializations to enhance employability.
- Introducing new programmes that include new Certificate, Diploma, PG Diploma, Degree, PG, M Phil, M Tech and PhD programmes including B. Sc. (Cyber Forensic), PG Diploma in Indian Sign Language, Masters in Nanoscience and Nanotechnology, M. Tech/M.Phil. in Computer Science and M. Tech in Polymer Science and Technology.
- Incorporating new courses in emerging areas in the existing programmes. The University makes sure that the contents of all the courses cater to the career needs of the students.
- Providing short term add-on courses on different scientific and computational tools to students.
- Additional Skill Acquisition Programme (ASAP), a joint initiative of Departments of Higher Education and General Education, Government of Kerala, is set up as part of the State Skill Development Project in affiliated colleges to address the existing unemployment issues in Kerala.
- Imparting of English language skills by Centre for English Language and Communication Skills (CELCS).
- Students are given hands-on experience in the state of the art laboratories of the University departments.
- Providing opportunities for students to interact with reputed national laboratories and industries through major projects and industrial visits to enhance employability.
- Conducting capacity building and knowledge up-gradation workshops and skill development programmes in emerging areas.



- Conducting coaching classes for various competitive examinations through University Employment Information and Guidance Bureau.
- The Schools/Centres of the university have taken steps for increasing employability by collaborating with different Government bodies, industries and academic institutions of national & international repute to cater to the needs of the industry/academia.
- There is a Placement and Training Cell headed by a Faculty member which ensures mentoring of the students through special programmes on soft skills, leadership qualities, personality traits, communication skills, essential life skills, internet ethics, and etiquette among the students. Placement and Training Cell coordinates soft skill training and placement services in colleges.
- Introducing one School, one International Inter University Centre, seven Inter University Centres, ten Inter School Centres and one Business Innovation and Incubation Centre during the assessment period.
- The university has established a Business Innovation and Incubation Centre (BIIC) in 2016 with the seed capital from the Government of Kerala. The main objective of the BIIC Start-up incubators is to kindle the entrepreneurial spirit among students. It supports job creation, University–Industry collaboration and to generate revenue for local business establishments and governments. The BIIC aims to inculcate among students a culture of job creation as opposed to a culture of job seeking.

> The University ensures innovation by:

- Designing new and relevant courses in the emerging and frontier areas of knowledge. The curriculum caters to the differential requirements of the society. The PG diploma in Indian Sign Language offered by the University is an example of such innovation.
- Introducing open courses to facilitate multidisciplinary learning, cutting across the limitations of conventional discipline based studies.
- Establishing International Inter University/Inter University Centres
 for promoting the interdisciplinary/participatory research among
 the research and academic institutions within the state and across
 the globe. Eight Inter School Centres have been established for
 supporting the academic activities of the Schools/Departments of
 the University.



- Establishing a Business Innovation and Incubation Centre (BIIC), which aspires to support innovations/ incubations/ entrepreneurship by extending administrative, academic and financial support to students through R&D support, start-up grants and patent facilitation.
- Establishing a Centre for Yoga & Naturopathy and Institute of Research in Learning Disability recently to offer programmes of national interest in the above areas.
- Introducing Massive Open Online Course (MOOC)in 2015, in collaboration with North Carolina A&T State University in USA and Kerala State Higher Education Council.

> The University ensures global competency in academic research and output through a comprehensive and holistic series of measures like

- Introducing project work in the curriculum with a duration of 6 months to one year in different national/international research institutions of repute.
- Establishing research collaborations and promoting inbound and outbound exchange of students and faculty between research institutions across the globe.
- Incorporating individual/group projects to promote students to invent imaginative solutions to the research problems and to make improvements in laboratory protocols/societal problems to groom their career.
- International and Inter University Centres interdisciplinary focuses on participatory research across conventional disciplines in association with academic institutions within the State and across the globe.
- Promoting inter disciplinary research in various frontier areas of knowledge through the establishment of Inter School Centres.
- Providing state-of-the-art infrastructure, sophisticated instruments and parallel computing facility by the University to researchers to supplement curriculum/ advanced research.
- Promoting publication of edited/authored books/ papers in research journals and making it mandatory as part of PhD programmes.
- Providing online access to research references to support the curriculum through the resourceful central and department libraries.
- It is the first Indian University to adopt Open Access to theses of doctoral degrees awarded by the University by establishing an institutional repository of theses (www.mgutheses.org).



- Efforts to address the needs of differently abled students and researchers by promoting research in disability studies.
- Organizing Conferences/ Workshops/Seminars on cutting edge technologies to instil a research culture into the minds of the students.
- Encouraging students to conduct original research work for their degree leading to publications in internationally reputed journals and grant of patents.
- Promoting students to present research papers in national/ international seminars/conferences.

1.1.4 To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the university been instrumental in leading any curricular reform which has created a national impact?

The university follows the guidelines issued by the relevant regulatory bodies like University Grants Commission (UGC), All India Council for Technical Education (AICTE), National Council for Teacher Education (NCTE), Pharmacy Council of India (PCI), Rehabilitation Council of India (RCI), Indian Nursing Council (INC), Bar Council of India (BCI) and Kerala State Higher Education Council in developing and restructuring the curricula.

Mahatma Gandhi University was the first in the state of Kerala to introduce UGC regulations for PhD programme with salient features. Innovative measures taken by the University include introduction of a specialised Centre with dedicated programmes/ research in Disability Studies to support disadvantaged sections of the society.

1.1.5 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefited through interactions with the stakeholders?

Yes. Feedback from the various stakeholders are used in the regular updating of syllabi and making the choice of electives thus meeting the requirements of the academia and industry. Intensive ongoing research interactions with organizations like DST, ICSSR, CSIR, DBT, ICMR, ICCR, KILA, CDS, AICTE, DRDO, ISRO, BRNS, and KSCSTE etc. have made an impact on the curriculum development process. Due to such interactions, the global trends in higher education are reflected in the curriculum. For developing the curriculum, experts from institutions like Raman Research Institute, Bangalore and Rubber Research Institute of India, Kottayam and experts from industries such as SABIC, Apollo Tyres, MRF Tyres etc. are being consulted. The University is considerate to comply with the genuine insights of the stakeholders in the curriculum development process.



1.1.6 Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.

Affiliated institutions are statutorily allowed to apply for starting new programmes/courses every year based on regional requirements. The Syndicate delegates a Commission to assess the physical and infrastructure facilities available in the College and its report is eventually considered by the Syndicate and the State Government. Once the programme is sanctioned by the Government, the Syndicate grants affiliation to the new programmes/courses. In all cases when new courses/programmes are introduced, the Board of Studies conducts detailed discussions and workshops for the formulation of the curriculum. The recommendations of the Board of Studies are placed before the Academic Council for formal approval.

1.1.7 Does the university encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities).

- Additional Skill Acquisition Programme (ASAP), a joint initiative of Departments of Higher Education and General Education, Government of Kerala which is set up as part of the State Skill Development Project to enhance the employability of students is promoted by the University through its colleges.
- The university has introduced B.Voc. degree Programmes, which incorporate specific job roles along with broad based general education, with ten different specializations in five Colleges. The programmes are
 - B.Voc. Animation and Graphic Design
 - B.Voc. Fashion Technology
 - B.Voc. Food Processing Technology
 - B.Voc. Logistics Management
 - B.Voc. Marketing Management and Information Technology
 - B.Voc. Renewable Energy
 - B.Voc. Retail Management and Information Technology
 - B.Voc. Sports Nutrition and Physiotherapy
 - B.Voc. Sustainable Agriculture
 - B.Voc. Tourism and Hospitality
- The university has specifically designed Model II (vocational) programmes at the U.G. level in different disciplines to enhance employment potential.
- The university facilitated establishment of six Community Colleges in the affiliated Colleges which offer tailor made skill oriented programmes specific to the regional needs.



• The university has facilitated starting of add-on courses in its colleges with UGC support. The office of the Director, College Development Council has an active role in starting such skill oriented programmes.

1.2 Academic Flexibility

1.2.1 Furnish the inventory for the following:

Programmes taught on campus:

Sl. No.	Department	Level of the Programme	Subject
	School of		Indian Sign Language
1	Behavioural	PG Diploma	Counselling Psychology
	Sciences	PG	Disability Studies and Rehabilitation Sciences
			Psychology
			Behavioural Medicine & Rehabilitation
			Rehabilitation Psychology
		M.Phil.	Special Education & Rehabilitation Sciences
			Behavioural Sciences and Rehabilitation Nursing
			Special Education
		Ph.D	Psychology
		FII.D	Behavioural Medicine
			Rehabilitation Nursing
			Microbiology
2	School of		Biochemistry
	Biosciences	PG	Biotechnology
			Biophysics
		M.Phil.	Biosciences
			Microbiology
			Biochemistry
		Ph.D	Biotechnology
			Biophysics
			Physiology
			Organic Chemistry
3	School of	PG	Inorganic Chemistry
	Chemical Sciences	10	Physical Chemistry
			Polymer Chemistry
			Inorganic Chemistry
		M.Phil.	Organic Chemistry
			Physical Chemistry
			Polymer Chemistry
		M.Tech	Polymer Science &Technology

		M.Sc. PhD	Chemistry
		(Integrated) (2013-15)	Chemical Physics
			Inorganic Chemistry
		Ph.D	Organic Chemistry
		FII.D	Physical Chemistry
			Polymer Science & Technology
4	School of	PG	Computer Science
	Computer Sciences	M.Tech	Computer Science & Technology
	Sciences	M.Phil.	Computer Science
		Ph.D	Computer Science
5	School of	Certificate Course	Geo-information Science & Technology
	Environmental		Environment Science & Management
	Sciences	PG	Environment Science & Disaster Management
		M.Phil	Environment Management
		Ph.D	Environmental Sciences
	School of		Gandhian Studies
6	Gandhian Thought and Development PG		Development Studies
	Studies		Development Studies
		M.Phil.	Gandhian Studies
			Social Work
			Development Studies
		Ph.D	Gandhian Studies
			Inter-disciplinary social sciences
	School of Indian		3 Year LLB
7	Legal Thought	UG	5 Year BBA LLB 3 Year BBA LLB (Hons.)
		PG	LLM
		Ph.D	Law
	School of		Politics & International Relations
8	International	PG	Politics & Human Rights
Relations & Politics			Politics(Public Policy & Governance)
	M.Phil		Politics and International Relations
		Dh D	International Relations
		Ph.D	International Relations(Economics)
9	School of Letters	PG	English
		T U	Malayalam



			Malayalam
		M.Phil.	English
			Theatre Arts
			English
			Malayalam
		Ph.D	Theatre Arts
			Cultural Studies
			Comparative Literature
	School of	PG	MBA
10	Management and	M.Phil.	Business Studies
10	Business Studies	Ph.D	Management
	School of	PG	M.Ed
11	Pedagogical	M.Phil	Education
	Sciences	Ph.D	Education
	School of Physical	PG	M.P. Ed.
12	Education & Sports Sciences	Ph.D	Physical Education
	School of Pure	PG	Physics
13	and Applied	M.Phil	Physics
13	Physics	Ph.D	Physics
	School of Social	PG	History
14	Sciences	10	Anthropology
		M.Phil.	Social Sciences
		WI.PIIII.	Social Transformation and Empowerment
			Human Ecology & Natural History
		Ph.D	Social Sciences
15	School of Tourism Studies	PG	Master of Tourism and Travel Management (MTTM)
		Ph.D	Tourism Studies
	Department of	Contification	Yogic Science
	Life Long	Certificate Programmes	Counselling
16	Learning and Extension	Tiogrammes	Management of Learning Disabilities
10	LACISION		Organic Farming
		Diploma	Yogic Science
		Programmes	Organic Farming
	International and	PG	Nanoscience and Nanotechnology
	Inter University	M.Phil	Nanoscience and Nanotechnology
17	Centre for	Ph.D	Nanoscience and Nanotechnology
	Nanoscience and Nanotechnology	Integrated M.ScPh.D	Nanoscience and Nanotechnology

			Environmental Science
18	Advanced Centre		Chemistry
	for Environmental		Forestry
	Studies and		Human Ecology
	Sustainable	Ph.D	Climate Change
	Development		Environmental Pollution
			Social Science
			Life Science
		Short Term Certificate Programme	Advanced Analytical Instrumentation
19	Inter University Centre for Bio Medical Research & Super Speciality Hospital	Ph.D	Bio Medical Research Drug Design and Development
20	Inter University		Early Assessment and Management Services
	Centre for		Speech Therapy
	Disability Studies	Short Term Certificate Programme	Physiotherapy
			Psychological Assessments
		liogramme	Counselling Services
			Disability Assessments
		M.Phil	Disability Studies
			Chemistry
	T . TT	Ph.D	Physics
21	Inter University Instrumentation	Pn.D	Biology Environmental Science
21	Centre		Nanoscience
		Short Term Course	Analytical Instrumentation
22	Inter University		Human Geography
	Centre for Social		Human Ecology
	Science Research and Extension		Social Transformation Studies
	and Extension	Dh D	Gender Studies
		Ph.D	Tribal Studies
			Sustainable Development Studies
			Praxis Intervention
23	Advanced Molecular Materials Research Centre	Ph.D	Material Science



24	Centre for English Language and Communication Skills	Certificate Programmes	Post Graduate Certificate in English Communication
25	Institute for Intensive Research in Basic Sciences	5 Year Integrated Masters	Integrated Inter Disciplinary MS Programme in Chemistry, Physics and Biology
23		Integrated Ph.D	Chemistry
26	Dr.K.N.Raj Study Centre for Planning and Centre-State Financial Relations	PG	Economics
27	National Institute of Plant Science Technology	M.Sc-Ph.D Integrated	Plant Science and Technology
	University College of Engineering UG UG		B Tech (Computer Science & Engineering)
		BTech (Electronics & Communication Engineering)	
28		UG	B Tech (Electrical & Electronics Engineering)
			B Tech (Information Technology)
			B Tech (Polymer Engineering)
		PG	M Tech (Applied Electronics)
		Ph.D	Electronics
			B Tech. Polymer Engineering
		UG	B Sc. Computer Science
			B Sc. Electronics
			B Sc. Cyber Forensic
	C -11 - f		MCA
29	School of Technology and	PG	M Sc. Applied Electronics
2)	Applied Sciences		M Sc. Computer Science
			M Sc. Space Science and Technology
			Electronics
		Ph.D	Physics
			Material science
			Polymer Technology
30	School of Applied	PG	M Sc. Fishery Biology & Aquaculture
	Life Sciences	M.Phil	Fishery Biology & Aquaculture



	School of Medical		B Sc. Nursing
31	Education		B Sc. Medical Laboratory Technology
		UG	Bachelor of Physiotherapy
			BSc Medical Radiological Technology
			B Pharm
			B Sc. Medical Microbiology
			M Pharm (A) Pharmaceutics
			M Pharm (B) Pharmacology
			Master of Hospital Administration
			Master of Public Health
		PG	Master of Physiotherapy
			Master of Medical Documentation
			M Sc. Medical Microbiology
			M Sc. Medical Biochemistry
			M Sc. Medical Anatomy
			Master of Biomedical Instrumentation
		Ph.D	Pharmacy
32	University College of Teacher Education	UG	B Ed
33	School of Communication & Journalism	PG	Master of Arts in Journalism and Mass Communication (MAJMC)
34	Department of Library & Information	UG	BLISc.
	Science	PG	MLISc.

> Overseas programmes offered on campus:

- Mahatma Gandhi University conducts overseas programme on Global Understanding through its Massive Open Online Course (MOOC) with the programme developed by North Carolina A & T State University, USA funded by Kerala State Higher Education Council that enables the university to reach overseas audience.
- School of International Relations and Politics has agreements with the following institutions:
 - 1. Institute of Political Studies, Rennes, France
 - 2. The Institute of Political Studies, Bordeaux, France.
 - 3. Jinan University, China



This enables the School to offer courses specific to developing countries for a period of two semesters to the students of the above French institutions.

- The School of International Relations and Politics had offered a one month course to the undergraduate students of Earlham College, Indiana, USA as part of the College's programme on understanding the Government and Politics of India.
- Overseas students visit International Inter University Centre for Nanoscience and Nanotechnology to perform bachelor, master and Ph.D projects and the resulting credits are transferred to the parent institute abroad.

▶ Programmes available for Colleges to choose from:

UG Programmes:

- Bachelor of Arts
- Bachelor of Science
- Bachelor of Commerce
- Bachelor of Technology
- Bachelor of Business Administration
- Bachelor of Business Management
- Bachelor of Computer Application
- Bachelor of Fashion Technology
- Bachelor of Physical Education
- Bachelor of Tourism and Travel Management
- Bachelor of Vocational (B Voc)
- Bachelor of Law
- Bachelor of Pharmacology
- Bachelor of Education
- Bachelor of Pharmacology
- Bachelor of Physiotherapy
- Bachelor of Library And Information Science
- Bachelor of Social Work

PG Programmes:

- Master of Arts
- Master of Science



- Master of Commerce
- Master of Technology
- Master of Tourism and Travel Management
- Master of Communication and Journalism
- Master of Management in Hospitality
- Master of Social Work
- Master of Law
- Master of Business Administration
- Master of Human Resource Management
- Master of Computer Applications

The programmes are given in a wide variety of subjects ranging from traditional disciplines to professional and vocational subjects.

1.2.2 Give details on the following provisions with reference to academic flexibility

a. Core / Elective options:

As per the Credit and Semester (CSS) regulations of the university, core/elective options are open to all students of different programmes. Students can choose the electives offered by the parent department in every semester based on their aptitude and relevance of the course in consultation with the Faculty Advisor. The wide array of electives enables the student to opt for specialisation, besides providing considerable flexibility.

Open Course: In addition to this, CSS provides provision for open courses conducted by a School/Centre/Institute other than the parent department. Every regular postgraduate student is required to choose an open course of 4 credits in the third semester. It offers a student the opportunity to attend courses offered by another school /faculty.

b. Enrichment courses:

The opportunities provided via open courses under CSS are meant for the overall enrichment of the courses that students take from the parent department. Besides, Schools also offer supplementary enrichment programmes. Some of the enrichment courses offered by the Schools are listed below:

 School of Behavioural Sciences: Conducts open courses in Counselling/ Disability Studies and add on courses in Indian Sign Language, Statistical Package for Social Sciences, Basic Concepts of Statistical Inference, and evening course on Learning Disabilities etc.



- School of Biosciences/ School of Chemical Sciences: Conducts UGC-CSIR orientation programmes for students.
- School of Computer Sciences: As part of the Spoken Tutorial project (an initiative of NMEICT, MHRD, Govt. of India), students and research scholars of the School are given short add on courses on different software and scientific and computational tools, which are relevant to their curriculum. The School also offers regular skill enhancement workshops/ seminars on emerging areas. Remedial/Bridge courses (pre-requisite for advanced courses in third semester) are offered during vacation time.
- School of Environmental Sciences: Offers two open courses to give awareness to the students of other disciplines on environment, natural resource utilization, waste management and sustainable development. A MOOC programme was conducted in collaboration with Indian Institute of Remote Sensing (IIRS) and ISRO for M Sc. and M Phil students. The School also offers EDUSAT Based Online Outreach Programme in Basics of Remote Sensing, Global Navigational Satellite System (GNSS) and GIS for M Sc., M Phil and diploma students.
- School of Letters: The open courses by the School expose the students to areas of film and literary studies.
- School of International Relations and Politics offers open courses in the human rights and Public Polices which help sensitise the stakeholders of the imperatives of these areas in their programmes of study.
- School of Management and Business Studies: Offers certificate courses on Tally Software, Language Learning, Business Analytics and Intelligence etc.
- School of Pure and Applied Physics: Offers a course in Computational Physics, teaching Numerical Methods and a Programming Language. This is complemented with Practical with MATLAB so that the students gain programming skills. Training programs/workshops in Open Source Software are also offered in the School.
- School of Tourism Studies: Offers training in SPSS Software, ODLL Communication Software, Computerized Reservation Systems and Remedial courses for student empowerment.
- International & Inter University Centre for Nano science& Nanotechnology: Conducts special course on Research Methodology and Social, Ethical, Legal and Environmental (SELE) issues of Nano science and Nanotechnology.



- To strengthen the academic communication skills of the students in English, the University also has a Centre for English Language and Communication Skills.
- **c.** Courses offered in modular form: In all the academic programmes, course content is structured in a modular form in the syllabi. Such preparation of course as modules facilitates deeper understanding of the subject among students.
- **d.** Credit accumulation and transfer facility: Inter institutional credit transfer is being offered by university for students undertaking projects outside the university. Open courses are offered to students in third semester. The credit for the open course is transferable.
- e. Lateral and vertical mobility within and across programmes, courses and disciplines.

Vertical mobility is an integral part of the curriculum. Schools open up new areas of academic, professional and research options before the students in the form of PG,M.Phil., Ph.D, and Post-Doctoral programmes in the discipline.

Limited lateral mobility is available to PG students in the form of elective courses, where the students can select electives suited to their specific talents.

Interdisciplinary lateral mobility is offered in many Centres of the University for performing research effectively. Students with professional degrees are allowed to join the Ph.D programmes in select areas.

1.2.3 Does the university have an explicit policy and strategy for attracting international students?

Yes. The university has an explicit policy and strategy for attracting international students. The University Centre for International Cooperation (UCIC) is exclusively for co-ordinating the enrolment of international students with the support of the Indian Council of Cultural Relations (ICCR). International students are being admitted to all programmes subject to Government and University rules. Some of the Schools/Centres have MoUs with overseas Universities and institutions for joint programmes and collaborative research.

The university has come up with a new 'regulation for admission of international students to various University departments and Colleges' with effect from 2016 to ease the admission process and to make international admissions hassle free. The main feature of this new regulation is the constitution of an International Students Admission Committee (ISAC) to make international admissions a single window process. All the academic programmes are open to international students and the University has reserved 20% additional seats in Schools/Centres of the University and 10% additional seats in Colleges.



1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

Yes. International students are being admitted to all programmes subject to Government and University rules. Some of the Schools/Centres have MoUs with overseas universities and institutions for joint programmes and collaborative research. The International and Inter University Centre for Nanoscience and Nanotechnology could attract students from countries across the globe for project work leading to bachelors, masters and PhD programmes. The MA (International Relations) programme offered by the University could attract international students from countries like France, USA, Japan, China Vietnam, Ghana, Kazakhstan, Namibia, etc.

The curriculum of academic programmes offered by the Schools maintains global standards and is designed keeping in mind the international requirements. For instance, the Master of Tourism and Travel Management (MTTM) programme of School of Tourism Studies is designed to meet international needs and it offers courses in foreign languages like French and German, Computerized Reservation Systems, International Fare Calculation and Ticketing, Logistics and Cargo Management, Airport Management, Foreign Exchange Management etc. which is intended to equip students with the requirements of a multicultural global workplace.

University has taken up measures to increase the enrolment of international students providing better access and accommodation facilities. The present major constraint is the limited accommodation facilities available for International Students.

1.2.5 Does the university facilitate dual degree and twinning programmes? If yes, give details.

Yes. The university facilitates twinning programme in some of its Schools/Centres. For instance, the M.Tech programme of School of Chemical Sciences offers twinning programme in its last two semesters with universities in USA, France, Germany, Japan and China. The M.S and Integrated M Sc-Ph.D programme offered by International Inter University Centre for Nanoscience and Nanotechnology ensure twinning in its last two semesters with universities and institutes abroad.

At present the university statutes do not give provision for dual degree programmes.

1.2.6 Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

Yes. The university offers self-financing programmes through its constituent colleges which are specially designed to meet the requirements of the engineering, pedagogy and medical sectors. These constituent colleges follow



separate admission norms, fee structure and appointment practices as stipulated by the respective national councils and government of Kerala.

Sl. No.	Department/ Schools/ Colleges	Course/ Programmes	Subject
	University UG 1 College of		B.Tech (Computer Science & Engineering) B.Tech (Electronics & Communication Engineering)
1		UG	B.Tech (Electrical & Electronics Engineering)
	Engineering		B.Tech (Information Technology)
		PG	B.Tech (Polymer Engineering) M.Tech (Applied Electronics)
		Ph.D	Electronics
		T II.D	B.Tech. Polymer Engineering
			B Sc. Computer Science
		UG	B Sc. Electronics
			B Sc. Cyber Forensic
			MCA
	School of Technology	PG	M Sc. Applied Electronics
2	and Applied Sciences		M Sc. Computer Science
			M Sc. Space Science and Technology
			Electronics
		Ph.D	Physics
		FII.D	Material Science
			Polymer Technology
	School of	PG	M Sc. Fishery Biology & Aquaculture
3	Applied Life Sciences	M.Phil	Fishery Biology & Aquaculture
			B Sc. Nursing
			B Sc. Medical Laboratory Technology
		UG	Bachelor of Physiotherapy
			BSc Medical Radiological Technology
	School of		B Pharm
4	Medical Education		B Sc. Medical Microbiology
	Education		M Pharm (A) Pharmaceutics
		D ~	M Pharm (B) Pharmacology
		PG	Master of Hospital Administration
			Master of Physiotherapy
			Master of Physiotherapy



			Master of Medical Documentation
			M Sc. Medical Microbiology
			M Sc. Medical Biochemistry
			M Sc. Medical Anatomy
			Master of Biomedical Instrumentation
		Ph.D	Pharmacy
5	University College of Teacher Education	UG	B Ed
6	School of Communicatio n & Journalism	PG	Master of Arts in Journalism and Mass Communication (MAJMC)
		UG	BLISc.
		PG	MLISc.
	Department of		Organic Farming
7	Library & Information Science		Counselling
			Management of Learning Disabilities
			Yogic Science
	Diploma		Organic Farming

School of Medical Education offers ten P.G. programmes and six UG programmes to meet the increasing demands of the health care sector and is the first of its kind in the state of Kerala. School of Technology and Applied Sciences offers job oriented Science and Technology programmes from UG to Ph.D level. University College of Engineering offers B.Tech. andM.Tech. programmes in the self-financing stream. Admission policies and teacher qualification in self-financing departments are at par with that of regular programmes while fee structure and pay scales differ.

1.2.7 Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details.

Yes. The Off-campus programmes offered by the university involve conventional face-to-face mode and the distance mode of education. However, the university has temporarily dispensed with the Off-campus programmes since last year due to UGC directive.



1.2.8 Has the university adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?

Yes. CBCS system is in place in the Schools of the university (CSS is the acronym adopted). The MGU-CSS is applicable to all academic programmes of the statutory Departments/Schools/Centres of the University with flexibility to introduce conventional and new generation programmes such as integrated graduate-postgraduate and postgraduate-research programmes. In all the programmes, there have always been core courses, elective courses and options for open courses for the students to choose from. This has been made possible as the faculty members are ready to offer specialised elective and open courses on diverse subjects. The CSS regulations have been revised from time to time in accordance with the current academic needs.

This system has been in force in the affiliated Arts and Science Colleges at the U.G. level from 2009 and P.G. level from 2012 onwards.

1.2.9 What percentage of programmes offered by the university follow:

- Annual system
- Semester system
- Trimester system

All programmes offered by the Schools follow the semester system while professional programmes offered by School of Medical Education follow the annual system as per the norms of the regulatory bodies.

1.2.10 How does the university promote inter-disciplinary programmes? Name a few programmes and comment on their outcome.

- The curricula for all the programmes in the university schools/centres are
 designed in the inter-disciplinary mode. In addition to the interdisciplinary
 content of the regular programmes, open courses offer opportunity for
 students to undergo multidisciplinary courses in various sister Schools.
 This has helped students to explore new areas of study and perform interdisciplinary research.
 - ✓ School of Behavioral Sciences offers interdisciplinary programmes in the disciplines of Psychology, Special Education, (mental retardation, visual impairment, hearing impairment and learning disability) Clinical Psychology, Research Methodology and Statistics, Medicine and Nursing.
 - ✓ School of Biosciences is an interdisciplinary department of diverse sub-disciplines of biosciences.



- ✓ School of Chemical Sciences offers interdisciplinary programmes in various areas of Chemical Sciences where students specialise in Organic, Inorganic, Physical and Polymer Chemistry.
- ✓ School of Environmental Sciences offers interdisciplinary Post graduate programmes. A Post graduate diploma in Remote Sensing and GIS is offered in collaboration with ISRO. This course is offered by the School for students from all disciplines.
- ✓ The School of Indian Legal Thought offers a 5 year interdisciplinary BBA LL.B programme with thrust on various specializations and the syllabi cover both Management and Law. As the students are in a position to pursue higher studies in Law as well as Management, the programme has turned out to be successful.
- ✓ School of International Relations and Politics offers interdisciplinary programmes in MA Politics and International Relations, MA Politics and Human Rights, MA Politics (Public Policy and Governance), MPhil Politics and International Relations, Ph.D International Relations (Economics).
- ✓ School of Pure & Applied Physics offers interdisciplinary programmes in Nanoscience and Nanotechnology and Astronomy & Astrophysics.
- ✓ All the programmes offered by the School of Tourism Studies are inter-disciplinary in nature as knowledge emerging across different disciplines is used in interpreting the tourism phenomena in different geographical, social, cultural, economic and managerial settings.
- ✓ School of Letters offers MA programmes in English and Malayalam, which are essentially interdisciplinary in nature. The MPhil programmes in Malayalam, English and Theatre Arts too identify areas of common concern for the various disciplines. Moreover researches in areas of music, fine arts and Theatre arts too employ an essentially interdisciplinary methodology.
- ✓ The International and Inter University Centre for Nanoscience and Technology offers interdisciplinary programmes at Masters and Ph.D levels consisting of courses relating to various areas of Nanoscience and Nanotechnology cutting across various disciplines like Physics, Chemistry, Biology, Nano-biotechnology, Polymer Science, Material Science etc.
- ✓ The Advanced Centre of Environmental Studies and Sustainable Development (ACESSD) involves in interdisciplinary scientific



research including Chemistry, Environmental Science, Forestry, Human Ecology, Social Sciences and Life Sciences.

• The inter disciplinary initiatives of the university were strengthened in recent times by the establishment of one School (School of Tourism Studies), one International Inter University Centre (International and Inter University Centre for Nanoscience and Technology), seven inter University Centres and ten inter School Centres which facilitate teaching and innovative research. These institutions are examples of convergence of interdisciplinary knowledge and research. Advanced Centre for Environmental Studies and Sustainable Development, Inter University Centre for Biomedical Research, Inter University Centre for Disability Studies, Inter University Centre for Social Sciences Research and Extension etc. are envisaged to consolidate the strengths in various specialised areas of academic interest.

The important outcome and achievements of interdisciplinary research are listed below.

- i. Interdisciplinary research projects sanctioned by various national agencies and institutions including the UGC, FIST, DRS, ISRO, COSIT, CSIR, DAAD, DIT, DRDO, KSCSTE, ICMR, BARC, MOEF, ICCR, ICSSR, ICHR, KSHEC, IED, IIFT etc.
- ii. Academic collaboration with research institutions of international reputation such as the Max Planck Institute, Germany, Brown University, USA, University of Strasbourg, University of Nancy, University of Paris XII, University of South Brittany University of Nantes of France, California Institute of Technology, USA, University of Toronto, Canada, Catholic University Leuven, Belgium, Jinan National University, China, Heidelberg University, Germany, and the Institute of Political Studies, Rennes, France, University of Wisconsin-Parkside, Duke University, Plymouth State University of USA, Technical University of Denmark and Ben-Gurion University, Israel.
- iii. Students and faculty members are able to undertake major challenges on problems of interdisciplinary nature. This enables the University for the effective utilization of interdisciplinary resources.
- iv. Identification of research areas are of innovative nature.



1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented/knowledge intensive and meeting the emerging needs of students and other stakeholders?

The Credit and Semester System (CSS) followed by the University gives academic autonomy to Schools. For all the programmes, revision of contents of individual courses is being done once in two years on an average. The Board of Studies of the Schools review and update the curriculum periodically. Regular assessment of the contents of individual courses is done by the Faculty Council. Workshops are conducted before major curriculum revisions and due weightage is given to feedback collected from various stakeholders.

1.3.2 During the last four years, how many new programmes at UG and PG levels were introduced? Give details.

• Inter-disciplinary:

UG: Two

- 1. Double Degree BBA.LLB (Hons.) School of Indian Legal Thought (2011).
- 2. BSc Cyber Forensic School of Technology and Applied Sciences.

PG: Two

- 1. M.Phil in Disability studies School of Behavioural Sciences (offered through Inter University Centre for Disability Studies) in the year 2011
- 2. M.Sc Space Science and Technology School of Technology and Applied Sciences

• Programmes in emerging areas

Academic Year	Name of the Programme	Name of the School/Centre
2010-11	 i) Master of Tourism and Travel Management (MTTM) ii) MS Nanoscience and Nanotechnology iii) MPhil Nanoscience and Nanotechnology 	School of Tourism Studies International & Inter University Centre for Nanoscience and Nanotechnology
2011-12	M. A Economics	KN. Raj Centre for Planning and Centre-State Relations
2012-13	M.Tech in Computer Science with specialization in Communication and Network Technology	School of Computer Sciences
2012-13	LLM in three branches Viz. Law of Human Rights, Criminal Law & Administrative law.	School of Indian Legal Thought

2012-13	M.Tech in Polymer Science and Technology	School of Chemical Sciences
2012-13	M.P.Ed	School of Physical Education
2013-14	ii) Integrated M.Sc, Ph.D iii) M.Sc Programme in Plant Science and Technology	International and Inter University Centre for Nanoscience& Nanotechnology. National Institute of Plant Science and Technology (NIPST)
2015-16	i) M.Phil in Computer Scienceii) Post Graduate Diploma in Indian Sign Language	School of Computer Sciences School of Behavioural Sciences
2015-16	Ph.D	School of Tourism Studies
2016-17	LLM-one year in three branches- Criminal Law, Law of Crimes, and Environmental law	School of Indian Legal Thought

New Schools/ Centres in emerging areas

Schools

Sl.No.	Name of the School	Year of establishment
1	School of Tourism Studies	2010

International Inter University Centre

1	International & Inter University Centre for	2009(Course started in 2010)
1	Nanoscience and Nanotechnology	

Inter University Centres

Sl.No.	Name of Centre	Year of establishment		
1	Inter University Centre for Disability Studies(IUCDS)	2010		
2	Inter University Centre for Social Science Research and Extension (IUCSSRE)	2010		
3	Inter University Centre for Biomedical Research and Super Specialty Hospital(IUCBR & SSH)	2010		
4	Inter University Instrumentation Centre (IUIC)	2011		
5	Inter University Centre for Studies in Science of Music(IUCSSM)	2012		
6	Inter University Centre for Organic Farming and Sustainable Agriculture (IUCOFSA)	2016		



Inter School Centres

Sl.No.	Name of the Centre	Year of establishment		
1	Centre for High Performance Computing (CHPC)	2010		
2	University Centre for International Co-operation (UCIC)	2011		
3	Institute of Contemporary Chinese studies (ICCS)	2011		
4	KN Raj Study Centre for Planning and Centre-State Financial Relations	2011		
5	Advanced Molecular Materials Research Centre (AMMRC)	2012		
6	National Institute of Plant Science Technology (NIPST)	2012		
7	Institute of Research in Learning Disability (IRLD)	2014		
8	Centre for Yoga and Naturopathy (CYN)	2015		

Other Centres

Sl.No.	Name of the Centre	Year of establishment			
1	Business Innovation and Incubation Centre (BIIC)	2016 (Sanctioned by Govt. on 28.03.2016)			

1.3.3 What are the strategies adopted for the revision of the existing programmes? What percentage of courses underwent a syllabus revision?

Feedbacks from the various stakeholders are considered in the revision of the existing programmes. Periodical revision of all programmes is done regularly to meet the demands of the academia and industry as detailed in 1.1.2 and 1.1.3.

The proposals for revising and up-dating the syllabi and introduction of new programmes are discussed in the Faculty Council and taken up by the Board of Studies of the School. Syllabus revision workshops are conducted before major revisions. The BOS assesses the requirements of the programme/course based on:

- Feedback from academia/industry/alumni/students regarding relevance and usefulness of the programme/course.
- Recent advancements in the subject area.
- Instructions of regulatory bodies and syllabi of national level competitive examinations.



The syllabi framed by the BOS are then scrutinized and approved by the Academic Council and implemented. During the assessment period, syllabi of all the programmes were revised or updated.

1.3.4 What are the value-added courses offered by the university and how does the university ensure that all students have access to them?

The University conducts various short term courses on socially relevant subjects.

- Department of Lifelong Learning and Extension offers
 - Certificate Course in Counselling
 - Certificate Course in Management of Learning Disabilities
 - Certificate / Diploma Course in Yogic Science
 - Certificate / Diploma Course in Organic Farming
- School of Physical Education and Sports Sciences offers
 - Certificate Programmes in Leadership Training
 - Fitness Management
 - Officiating role in different Sports and Games.
- ➤ Inter University Centre for Organic Farming and Sustainable Agriculture conducts
 - Organic Farming Training Programmes

All the above programmes are offered during holidays and after regular working hours to encourage participation of regular students.

The University had initiated steps to offer short term programmes in foreign languages, which is meant to help students to meet the linguistic and communication requirements of the global workplace.

1.3.5 Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

Higher order skill development is given major emphasis in curriculum development in all the Schools/Centres especially in Schools which focus on technology oriented programmes. For instance, School of Tourism Studies caters to the manpower requirements of service industries like aviation, hospitality and allied sectors.

Additional Skill Acquisition Programme (ASAP), a joint initiative of Departments of Higher Education and General Education, Government of Kerala which is set up as part of the State Skill Development Project to



enhance the employability of students is promoted by the University through its colleges.

School of Behavioural Sciences

The School organized workshops on Psychological Testing, Cognitive Behaviour Therapy, Data analysis using SPSS software, Indian Sign language and Braille script during the period. This helped in enhancing the competency of students in various areas.

School of Environmental Sciences

A certificate course in Remote Sensing and GIS is offered by the School in collaboration with ISRO as a part of its additional skill development initiative. Remote Sensing and GIS are major tools in many of the technology and environment related explorations.

• School of International Relations and Politics

School of International Relations and Politics has facilitated research in Intellectual Property Rights (IPR) and thereby a number of scholars have obtained Ph.Ds in these areas and many others are working in IPR.

School of Management and Business Studies

'Finishing School Programme' offered by the School is in tune with the requirements outlined by National Skill Development Corporation (NSDC) at national level and Additional Skill Acquisition Programme designed by Government of Kerala.

• School of Indian Legal Thought

SILT conducts Moot Court and Mock Trial programmes in every semester. The School also organizes a National Level Moot Court competition every year.

School of Tourism Studies

Higher order skill development is the outcome of the programmes offered by the School which ensures employability in the global Tourism and Hospitality Industry and is framed in line with the general guidelines formulated by NCHMCT and IITTM.

School of Pedagogical Sciences

The PG Curriculum has a Course on ICT and Skill Development in the second Semester, which is outlined in the NCTE Guidelines. The Ph.D. Coursework Programme is designed along the framework prescribed by UGC and has components of higher order skill development in research methodology.



1.4 Feedback System

1.4.1 Does the university have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Yes. The university has a formal mechanism to collect feedback on curriculum from students. The general format of the feedback forms is provided by the IQAC of the university. Students' feedback on curriculum is regularly collected by the Schools. The Faculty Councils of the Schools and Boards of Studies take into consideration the specific inputs received in the form of feedback while revising the curricula. The feedback obtained is effectively used by the faculty members for self-appraisal and also for improving the teaching-learning process. Feedback on entire curriculum is collected from the outgoing batch of students. Some Schools have introduced an online system for collecting feedback.

1.4.2 Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.

Yes. The faculty members of the Schools and Centres maintain close association with pioneers in the subject area from academia and industry. They regularly attend national and international conferences/workshops/seminars and meetings of academic bodies of other universities/research bodies. The faculty members also interact with experts in the field who visit the department as external examiners/resource persons for various conferences, workshops and seminars. Some of the Schools utilized suggestions from visiting Erudite Professors/Professors under Obama-Singh 21st Century Knowledge Initiative (OSI) programme. Schools and Centres also participate in webinars/e-seminars/e-conferences through the video conferencing facility. Feedbacks are also sought from experts including the alumni abroad through e-mail.

The experience obtained through these academic interactions is used in curriculum development to keep pace with recent advancements in the field of study.

The Faculty of university schools/centres have regular interface with their counterparts in international research institutions such as the Max Planck Institute, Germany, Brown University, USA, University of Nantes, University of Strasbourg, University of Nancy, University of Paris XII, University of South Brittany of France, California Institute of Technology, USA, University of Toronto, Canada, Catholic University Leuven, Belgium, Heidelberg University, Germany, Institute of Political Studies, Rennes, France, Jinan National University, China, University of Wisconsin-Parkside, Duke University, Plymouth State University of USA, Technical University of Denmark and Ben-Gurion University, Israel. Discussions are carried out through e-mail and Skype vis- a-vis the curriculum revision.



1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

Members of the faculty from recognized affiliated institutions have adequate representation in all the academic bodies of the University. The feedbacks from affiliated institutions are formally presented to the University through these bodies. Regular meetings of the Principals of the affiliated institutions convened by the University also act as a forum for the presentation of feedback on curriculum and other matters from the Colleges. The office of the Director, College Development Council in the university also interacts regularly with the affiliated colleges and receives feedback. Also, prior to major syllabus revisions, workshops are conducted ensuring participation of faculty members from affiliated institutions offering the programme.

1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the curricula?

The quality sustenance and quality enhancement measures undertaken by the University in ensuring the effective development of curricula include:

- Academic interactions with pioneers in the subject area from academia and industry in curriculum development.
- The Schools update curriculum in line with contemporary developments in their respective subjects.
- Utilization of feedback on curriculum elicited from national and international faculty and various stakeholders.
- Due weightage is given to recent advances in various areas, instructions of regulatory bodies and syllabi of national level competitive examinations like UGC-CSIR, NET.
- Incorporating individual/group student projects as part of curriculum to ensure effective industry linkage in the learning process.
- The university has made syllabus revision workshops involving peers along with faculty members in the subject area to keep the programme updated in all respects.
- Introduction of course work and other stipulations as part of PhD regulations to ensure that the programme is as per the national norms.
- Research collaborations and sharing of research students/ exchange programmes with various leading research Institutions.

The IQAC of the university is instrumental in ensuring the quality of the services provided to its stakeholders.

CRITERION II: TEACHING-LEARNING AND EVALUATION

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the University ensure publicity and transparency in the admission process?

The University follows a systematic admission process which is transparent. All efforts are made to ensure that the notification reaches all the prospective applicants well in time. Prior to the admission process, an assessment of previous year's admission formalities is made by the Admission Monitoring Committee chaired by the Vice-Chancellor. Various issues like reservation of seats, guidelines of the regulatory bodies like UGC, AICTE, etc are discussed and guidelines for new prospectus are prepared. Admission to various programmes offered by the University is through Centralised Alottment Process (CAP) since 2010 where students can apply online for multiple programmes through a single application. Admission to University departments is through a national level multicity entrance test. Reservation policy of the state government is strictly followed in the admission process.

Publicity: University gives wide publicity to its admission process through national newspapers in Malayalam and English and through University Website (www.mgu.ac.in). The Public Relation Office of the University regularly gives caption news about the admission in newspapers under "University News Column".

The website provides detailed information on Schools, academic programmes, research programmes, specializations offered, eligibility criteria, number of seats available, reservation norms, fees structure, co-curricular activities, faculty profile and admission procedures.

The University charges nominal fees as application fee and concession is allowed for SC/ST candidates as per rules and regulations.

Separate admission regulations are made for international students and these are made available to foreign embassies through ICCR. Twenty percent of the total sanctioned strength is given additionally for international students. Applications from international students are processed separately by the University Centre for International Co-operation (UCIC).

Transparency: The Institution ensures transparency in its admission process through the following mechanisms:

- The admission schedule and criteria for selection are widely publicised through the university website and the print media.
- A separate admission processing cell called Centralised Alottment Process (CAP) provides a single window system for admission process.
- It is a completely transparent paperless, student-friendly online admission system where students can make payments online, choose and



correct their options, receive SMS alerts at every stage and login to view the progress in admissions.

2.1.2 Explain in detail the process of admission put in place by the university. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the university (please specify).

Admission Process: Admission to majority of PG programmes of the Schools/Centers of the University is through a national level Common Admission Test (MGU-CAT) conducted every year during April-May. Fifty percent of the seats are allotted to reserved communities.

Receipt of Application: Applications are received online through the University website with provision for paying the fees on-line where an application number will be automatically allotted. The student needs to submit only a single application for seeking admission to multiple programmes.

Conducting Common Admission Test: The test is conducted at various centers depending on the number of applicants under direct supervision of University officials.

Valuation & Publication of the Rank List: The answer sheets are evaluated within one week and the duly approved rank lists are uploaded on the University website. Category-wise merit lists are also prepared, prior to the commencement of counselling.

Counselling: Based on the rank list, counselling is organized by the CAP cell in which the candidate has to personally attend. The list of selected candidates and vacancy positions are displayed during admissions. The admission process is completed in three rounds.

Reservations of Seats: The reservation policy of the Government of Kerala is strictily adhered to by the university, by renotifying vacant seats thrice in news papers. Spot admissions are given to eligible candidates.

For MBA programme, the admission is based on the score in the aptitude test conducted by various national agencies like AICTE (CMAT), Indian Institute of Management (CAT) and state agency like Admission Supervisory Committee (KMAT), and group discussion and interview. The ratio of weightage is 60:20:20 for test, group discussion and interview.

Admission to M.Tech. is based on GATE score / entrance test.

Admissions for M.Phil. and Ph.D. programmes are based on separate test and interview. The following category of students are exempted from Ph.D. entrance test.

- M.Phil. and M.Tech. degree holders.
- Candidates who have passed the UGC-NET/ GATE/ICAR/ KSCSTE/CSIR/NBHM / ICSSR etc.



• Teachers of universities and colleges approved by the universities in Kerala and scientists in national level research laboratories, who have put in five years of continuous service, and foreign nationals who have been sponsored under a scholarship scheme by the Government of India for undergoing Ph.D. programme in India.

International Students: These students either come through Govt. of India Scholarship schemes of the ICCR or in general category as direct candidates. They are exempted from appearing in the entrance test. Admission is carried out by the UCIC through its International Students Admission Committee (ISAC) to 20% seats, additionally created for international students.

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

UG & PG admissions for merit quota in affiliated Colleges are done through the Centralised Allotment Process (CAP). Mahatma Gandhi University has the distinction of pioneering centralised admission in Kerala to facilitate admission to affiliated colleges and centres. Despite the existence of a broad spectrum of programmes under its anvil, it was learnt from prior experience that students often were not properly informed about these programmes with the result that they could not exercise a fair choice of programmes suited to their aptitude. Also, seats in many programmes which were instituted with huge capital investment often remained unfilled. It was with a view to eliminating such problems and streamlining the post graduation admission procedure that the centralised admission process (CAP) was conceptualized by the Mahatma Gandhi University and was later implemented from the academic year 2010.

The biggest advantage for students through CAP is that an applicant needs to submit only a single application for a multitude of programmes offered in different colleges, thereby minimizing the cost, time and effort. Moreover, it ensures that the seats earmarked for SC/ST/physically challenged candidates are exclusively allotted to them. Unfilled seats in these categories, if any, can also be allotted to other eligible categories as per the existing rules, thereby ensuring social justice.

Since the admission process is conducted online, a student can verify the admission procedure at every stage and thus a great amount of transparency is achieved which would not have been possible otherwise. In the case of colleges, a great amount of time needs to be expended not only by the administrative staff but also by the teachers for conducting and completing the admission procedure as per the conventional system. Introduction of CAP relieved the administrative staff of their admission related burden and provided teachers with more time for their academic activities. Moreover without any media publicity the colleges get opportunity to present all their merit/reservation seats for allotment, thereby saving valuable money in media notification. Since the admitted students under CAP remit their fees due, to the university through bank, the administrative work in the colleges with regard to fee remittance to the university has been



considerably reduced. The admission to autonomous colleges is monitored by the university as per the special regulations made for autonomous colleges. The entire admission process to various programmes is monitored by an Admission Monitoring Committee comprising of Vice-Chancellor, Pro-Vice Chancellor, Syndicate Members and Registrar.

2.1.4 Does the University have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

Yes. The Admission Monitoring Committee reviews the admission process and student profile annually. The review has helped to streamline the admission process and ensure that the exercise is transparent. This has helped the university to ensure timely admission, thereby attracting meritorious students.

2.1.5 What are the strategies adopted to increase/improve access for students belonging to the following categories:

- i. SC/ST
- ii. OBC
- iii. Women
- iv. Persons with varied disabilities
- v. Economically weaker sections
- vi. Outstanding achievers in sports and other extracurricular activities

i. SC/ST

In the admission process the University offers mandatory reservation of seats to special categories as shown below:

Category	Reserved seats (%)			
Scheduled Castes	15%			
Scheduled Tribes	7.5%			
Total	22.5%			

ii. OBC

Ezhava/Thiyya/Billava	8%
Muslim	7%
Other Backward Hindu	3%
SIUC/Latin Catholic	1%
Other Backward Christian	1%



For the unfilled seats under the SC/ST category, renotification is done upto a maximum of three times to ensure filling up of vacant seats.

(iii) Women

The admission statistics for the last 5 years reveals that women constitute an average of 62% for PG and 65% for research programmes. The increase in women enrolment is a positive social indicator reflecting favourably on women empowerment in the State.

(iv) Persons with varied disabilities

In addition to 3% reservation in admission, the following facilities are provided to this category of students to increase their access to higher education.

- Visually-impaired students are allowed scribes and extra time for writing the examinations.
- The unfilled seats under the Persons with Disability (PD) category is converted to seats for children with special needs.
- The University Library has Braille Centre with DAISY Software to aid the learning requirements of visually challenged students.
- Ramps and wheel chairs are provided in the campus.
- The University has initiated steps to ensure barrier free transportation in the campus by procuring an eco-friendly battery operated vehicle with wheel chair access.
- Physiotherapy unit
- Audiology and speech therapy unit
- Remedial coaching for students with learning disabilities
- Psychological counselling services
- ABILITY A funded project initiated by the School of Social Sciences to make buildings barrier free for persons with varied disabilities.

(v) Economically weaker sections

The University has reserved 10% seats for students who belong to Economically Backward among Forward Communities (EBFC). The 20% seats reserved for OBC- Socially and Economically Backward Community-SEBC) is also on the basis of their economic status. The EBFC and SEBC categories are extensively supported with scholarship schemes from various state and central government bodies. Documentation support for availing educational loans from banks is another major facet.



(vi) Outstanding achievers in sports and other extracurricular activities

Sports/NSS/NCC/Cultural Quota

- > 2 seats in each programme (interchangeable) are reserved for candidates with outstanding records in sports and games.
- > 1 seat for each degree programme (interchangeable) is reserved for students who excel in Youth Festival recognized by Director of Public Instruction.
- Bonus marks are provided to applicants with NCC/NSS certificates for admission to all programmes.
- The university has instituted sports scholarship for 150 meritorious sports persons annually to recognise the achievement of the sportsmen/ women of the university. The university has also instituted sports merit cash award to the winners of All India Inter University Championships annually. The sports merit cash award was instituted by the School of Physical Education and Sports Sciences to encourage the university teams to perform well at Inter University Competitions.

2.1.6 Number of students admitted for PG programmes in University Schools in the last four academic years

	Male	Female										
General	67	124	81	124	83	125	82	128	81	130	87	135
OBC	23	42	28	41	29	43	29	44	27	44	26	45
SC	18	32	21	32	22	32	22	28	25	26	23	36
ST	9	16	11	15	11	15	10	16	12	25	12	16
Total	117	214	141	212	145	215	143	216	145	225	148	232
Total	331		35	53	30	50	35	59	3′	70	38	30



2.1.7 Has the university conducted any analysis of demand ratio for the various programmes of the university schools and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

Sl.		No.		Deman	d Ratio	
No.	Donortmonte		2013	2014	2015	2016
1	School of Behavioural Sciences	22	2.68	4.09	6.64	9.09
2	School of Bio Sciences	35	22.34	25.06	25.63	24.68
3	School of Chemical Sciences	42	17.07	22.05	24.93	33.03
4	School of Computer Sciences	25	6.92	16.00	10.12	8.28
5	School of Environmental Sciences	20	23.70	35.90	37.60	16.8
6	School of Gandhian Thought and Development Studies	24	1.71	2.42	1.63	1.41
7	School of Indian Legal Thought	20	1.25	1.15	0.65	1.30
8	School of International Relations and Politics	25	7.07	11.80	11.87	4.64
9	School of Letters	20	25.6	25.4	36.15	39.1
10	School of Management and Business Studies	60	6.65	7.82	2.00	2.01
11	School of Pedagogical Sciences	50	8.60	1.04	1.20	0.82
12	School of Pure and Applied Physics	20	40.10	49.70	50.90	50.95
13	School of Social Sciences	15	6.67	9.93	8.73	5.53
14	School of Tourism Studies	20	5.20	6.95	6.30	5.15
15	Dr. K.N. Raj Center for Planning and Center-State Financial Relations	12	13.58	17.50	15.08	11
16	International and Inter-university Center for Nanoscience and Nanotechnology	12	2.67	2.33	2.67	-



PG programmes (MA, M.Sc., M Tech, MBA, MTTM) Year-wise demand ratio in University Schools/Centres

Year	No. of applications received	No. of students	Demand Ratio
2010-11	4194	380	11:1
2011-12	4346	380	11:1
2012-13	4565	380	12:1
2013-14	5448	380	14:1
2014-15	5194	380	14:1
2015-16	5218	380	14:1

Year-wise applicants for M.Phil, M.Tech and Ph.D Programmmes

		M. Phil			M. Tech.			Ph. D		
Year	Applied	Admitted	Demand ratio	Applied	Admitted	Demand ratio	Applied	Admitted	Demand ratio	
2010-11	585	145	4.03	-	-	-	330	26	12.69	
2011-12	456	143	3.18	-	-	-	406	35	11.60	
2012-13	523	140	3.74	153	28	5.5	553	25	22.12	
2013-14	542	144	3.76	158	28	5.6	590	35	16.86	
2014-15	565	145	3.90	27	17	1.6	446	40	11.15	
2015-16	583	144	4.05	21	15	1.4	464	33	14.06	

Demand ratio for affiliated colleges*

	PG		Domand	UG	Domand	
Year	No. of applicants	No. of seats	Demand ratio	No. of applicants	No. of seats	Demand ratio
2013	161273	8094	20:1	575769	38638	15:1
2014	183028	7654	24:1	NA	40122	19:1
2015	124578	6042	21:1	762263	42699	19:1
2016	109882	5805	19:1	809745	32425	25:1

^{*}Baed on online CAP based allotment



Demand for conventional UG programmes increased due to the decreased demand for engineering courses.

2.1.8 Were any programmes discontinued/staggered by the university in the last four years? If yes, please specify the reasons.

Yes.

- Integrated M.Sc-Ph.D Pogramme in Chemistry and Nanoscience have been discontinued due to scarcity of research supervisors at the Ph.D level.
- ii) M.PEd. was discontinued from 2011-15 due to lack of permanent faculty.
- iii) M.Sc Nursing due to decision taken by the regulatory body.

2.2 Catering to Student Diversity.

2.2.1 Does the university organize orientation/induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

Yes. During the first week of the starting of a course, Schools organize orientation programmes for freshers which usually last for 1-3 days. The induction programme familiarizes the students with the following:

- The vision and mission of the institution
- Syllabus, Schemes & CSS system
- Timings, discipline
- Anti-ragging awareness
- Criteria for internal assessment
- Facilities available in the campus
- Co-curricular activities available
- Clubs, forums and other such activities
- Goal setting
- Attitude building
- Career planning
- Time management
- Life skills
- Research scope in the field and further studies option

Special sessions are carried out for International students regarding Visa



issues, police verification, C-form filing and on local cultural practices.

At the end of the orientation programmes, feedbacks are collected from students. These feedbacks are analysed and their views and opinions are considered for the revision of syllabus and introducing new programmes.

A student profile is prepared by the faculty advisors after the orientation programmes. It helps to make an analytical study about their curricular and extracurricular strength, weakness and socio economic background. Also, this is used as a valid document for student progression analysis.

2.2.2 Does the University have a mechanism through which the differential requirements of the student population are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Yes. Detailed information is provided to students about the courses and the list of specializations provided by each school through the university website. However, their specific doubts are cleared during the counselling session. Based on the counselling, the School admission committee undertakes a study and it helps to identify slow and advanced learners. This helps the faculty to plan their tutorial methods and schedule, to bring out better performance. The faculty advisors offer bridge/remedial programmes to the needy. The services of the newly established Training and Placement Cell are also utilized for this purpose.

2.2.3 Does the University offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, School-wise/faculty-wise?

Yes. Based on the feedback and performance in the examinations, faculty members identify the additional course requirement for slow learners and fast learners. Bridge/remedial and add-on courses are offered to slow and fast learners. These programmes are generally conducted outside the office hours or on holidays. The university has utilized the funding from UGC for the conduct of remedial courses for SC/ST and minority students.

Bridge Course

Organic Chemistry (IIUCNN)

Remedial Programmes

- i. Research Methodology (all Schools and Centers)
- ii. Quantitative Methods for Management (SMBS)
- iii. Operations Research (SMBS)
- iv. Derivatives (SMBS)
- v. Operations Management (SMBS)



- vi. Financial Accounting (SMBS)
- vii. Organic Chemistry (IIUCNN)
- viii. Java Programming (SCS)
- ix. French Language (STS)

Add on programmes

- i. Business Data Analytics (SMBS)
- ii. Financial Data Analytics using EXCEL and Tally (SMBS)
- iii. Research Analysis using SPSS (SMBS)
- iv. Soft Skill Development (all Schools and Centers)
- v. NET Coaching offered by University Employment, Information & Guidance Bureau
- vi. Indian Sign Language (SBS)
- vii. Basic Concepts of Statistical Inference (SBS)
- viii. Evening Course on Learning Disabilities (SBS)
 - ix. Short-term Add-on courses on different softwares and scientific and computational tools as part of the Spoken Tutorial Project(an initiative of NMEICT, MHRD, Govt. of India) (SCS)
 - x. C & C++ Programming (SCS)
 - xi. Java Programming (SCS)
- xii. Latex and SciLab (SCS)
- xiii. Mathematica & MATLAB (SCS)
- xiv. MOOC Programmes in Schools/Centres (IIUCNN,SES)
 - 2.2.4 Has the university conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

Yes. The Departmental Faculty Council analyses the academic progress of students from socially and economically disadvantaged sections of the society, and students with disability and makes appropriate recommendations. Slow learners are identified by the faculty advisors from the student profile which helps to make an analytical study about their curricular strength and weakness. Remedial teaching is arranged accordingly.

The School of Tourism Studies has conducted an Access Audit in the university campus using the comprehensive 'Accessibility Audit Checklist' prepared in line with the guidelines issued by the Ministry of Social Justice and Empowerment (MOSJE) to identify the state of accessibility and barrier



free environment and premises for persons with disability and elderly persons. On the basis of this comprehensive study, the state of barrier free transport and barrier free built environment were analysed and corrective measures were taken. Accordingly, the university has initiated steps to procure an ecofriendly battery operated vehicle with wheel chair access along with preferential parking facilities to ensure barrier free transportation in the campus.

School of Social Sciences conducted a study to make university infrastructure disabled-friendly through a project titled ABILITY. Ramps and other facilities are provided in the Schools and hostels. For the visually impaired, care is taken to arrange examinations in separate class rooms and scribes are permitted for writing their examinations.

As per U.O No. 4308/P&D -1/3/2016/Admn dated 01/08/2016, the University has issued an order formulating a comprehensive policy for addressing disability issues. The main components of the order are as follows:

- To engage the service of a barrier free design expert and architect to audit the disabled-friendliness of all physical segments of the university.
- To ensure disabled-friendly features like ramp (of a gradient not greater than 18-20 degrees), lifts (wide enough for wheel chair, and with Braille control switch panel and audition), special assistive fixtures and fitting (like handrails and grab bars alongside the side walk of steps and staircases), and disabled friendly washrooms in all future construction projects.
- To allow a grace period of three months for M.Phil and six months for Ph.D. students who are physically challenged in the submission of dissertations.
- To ensure at least one terminal in the computer workstation (of all departments, centres) with special assistive technologies, preferably open source, for physically challenged students.
- To ensure the websites of Mahatma Gandhi University and its statutory teaching departments and the affiliating colleges incorporate features friendly to the visually challenged (including colour contrast, variable font size and audition).
- To create a special fund to handle all income and expenditure relating to addressing disability issues of Mahatma Gandhi University including constituent colleges. Besides central and state funding and UGC special assistance, funds are also received from MP/MLA development plan assistance for constituencies, and rules permitting, from the private sector companies (who may fulfil it as part of corporate social responsibility).



• To highlight the aspect of disabled-friendliness in all notifications for admission and appointment released by the university with the statement "MGU is proactive to the needs of the physically challenged" is inserted.

School of Behavioral Sciences conducts training programmes regularly for students with learning disabilities and also for their parents as well as teachers. School of Behavioural Sciences has conducted several studies during the period on education, training, rehabilitation, quality of life and other aspects of life of the marginalized and disadvantaged sections of the society including differently abled. Some studies conducted are shown below:

- a. Achievement motivation and self esteem of PG students of M. G. University (2013).
- b. Gender difference and cognitive function among PG students (2013).
- c. Learning problems among high school students with mathematical difficulties and the efficacy of remedial teaching module in mathematics (2013).
- d. Awareness and attitude of Tribals of Attappadi towards mental retardation (2013).
- e. Role of family in the education of tribal students (2013).
- f. Personality of young adult women staying in slums (2014).
- g. Personality profile in relation to optimistic and pessimistic life orientation among M G U students (2016).

Most of the students admitted to various programmes are from socially and economically disadvantaged sections. University strictly adheres to reservation policies of the government and facilitates various scholarships offered by central and state government agencies. University has instituted research scholarships for those research scholars who are in receipt of no other scholarships. In the statutory schools, university is charging only a nominal fee for the masters and Ph.D. programmes. The academic ambience and the student support mechanism for the disadvantaged sections have helped students to successfully complete the programmes. Most of the students go for higher studies such as M.Phil./M.Tech./Ph.D. in India or abroad.

University is promoting INSPIRE and KSCSTE fellowships for research. Special attention is given to students coming from rural areas to improve their communication skills. Compulsory library hours are included in most of the schools to improve the reading habit and cultivate an aptitude for research among students.

2.2.5 How does the university identify and respond to the learning needs of advanced learners?

• The Departmental Council identifies the advanced learners based on student profile prepared at the beginning of the programme.



- The Credit Semester System (CSS) followed in the Schools gives the advanced students an opportunity to choose appropriate elective courses which can satisfy their intellectual needs.
- The Schools offer students a wide range of specializations to choose from according to their aptitude.
- The university has facilitated starting of add-on courses in its colleges with UGC support. The office of the Director, College Development Council has an active role in starting such skill oriented programmes.
- The campus wide network with optical fibre cable gives free internet access and amply structured Wi-Fi connectivity. Advanced learners can use this facility to meet their special academic requirements.
- The university library and school libraries have several advanced books, CD ROMs and journals which satisfy the needs of advanced learners.
- The university extends the facilities for special coaching to attend UGC/CSIR/GATE and other competitive examinations.
- The Erudite Lecture series involving 60 scholars of international repute including 7 Nobel laureates and the Scholar–in-residence programmes organized in the University provided opportunity to advanced learners to interact with the scholars across the globe.
- Students are encouraged to participate in subject oriented competitions including technical fest and present research papers in seminars, workshops organized at national and international levels. Publications in high impact journals are also encouraged.
- The schools motivate the students to apply for various scholarship programmes like INSPIRE, ASPIRE, PURSE, UGC-BSR, Rajiv Gandhi National Fellowship, Moulana Azad Fellowship, Kothari Fellowship, Commonwealth Fellowship etc.
- University has introduced grace mark and attendance relaxation for those who have engaged in start-up projects in approved incubators.
- University has started a Business Innovation and Incubation Center (BIIC) which encourages the advanced learners to nurture their entrepreneurial qualities.
- The inclusive ambience of the university gives advanced learners the opportunity to interact with international students and thereby widen their exposure through a multicultural experience.
- Challenging topics are given for individual and group assignments.
- The students from various Schools/Centres have opportunity to undertake project work in different parts of the country/abroad.



• They are encouraged to involve in the activities of NGOs, publishing firms, training groups, resource outsourcing groups etc.

2.3. Teaching-Learning Process

2.3.1 How does the university plan and organise the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

The Credit and Semester System (CSS) of Mahatma Gandhi University aims at flexibility in curriculum development, objectivity and critical approach in examination patterns, use of continuous evaluation for assessment in all educational programmes in the university campus. The CSS is also meant to provide meaningful common criteria as per the national pattern to transfer credits when students move from one institution to another within or outside the country.

CSS seeks to ensure a uniform pattern of course design, course teaching, evaluation system, academic calendar and examination time-table for all MA., M Sc., MEd., LLM, MTM, MBA., MPEd, M Tech, integrated BSc-MSc, M Phil., integrated M Sc-Ph.D and course-work of the conventional PhD programmes. CSS also ensures that all its autonomous Schools/Centre/Institutes enjoy academic flexibility in the conduct of diverse academic programmes.

The university has a common academic calendar to plan the processes of teaching-learning of theory, practical, and project/dissertation work as per guidelines of UGC. Each school makes amendments to the common academic calendar in accordance with its specific requirements. The academic calendar reflects all academic activities including the conduct of examinations, schedule for project works, field visits, industry visits, educational tour and co-curricular activities. The academic calender ensures the completion of the semester in the stipulated time frame of ninty working days.

Before the commencement of the semester, the Faculty Council of the department concerned decides the courses that would be offered during a particular semester. This enables the teacher to prepare the teaching plan much ahead of the beginning of each semester. The faculty members prepare the course outlines, reading materials, schedules for each course, theory and practicals. The University follows the stipulations of UGC on teaching hours/credits. Field/industry visits and other related activities are also scheduled in addition to the conduct of internal and external examinations.

The final result in each course other than Ph.D is determined on the basis of continuous assessment and the performance in the end semester examination, which is in the ratio of 50:50 for both theory and practical courses. The scheme of internal evaluation for each of the courses includes seminars, assignments and internal tests in the ratio of 25:25:50. For practicals, the components are seminars, lab skill, records and viva-voce. Evaluation of the post graduate courses for odd semester examinations is done by the faculty



members themselves while double evaluation is followed for even semester examinations by internal and external evaluators.

The IQAC of the university initiate, plan and supervise various activities that are required to increase the quality of the education imparted in the institution. The role of IQAC in maintaining quality standards in teaching, learning and evaluation is crucial and many of its recommendations in this direction have been implemented by the university.

2.3.2 Does the university provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Yes. The syllabi of UG and PG programmes of colleges are provided in the university website. Students can select their electives according to their choice. Course outlines with schedules and time table are provided to students at the commencement of the academic session. Based on the feedback obtained from faculty, students and other stakeholders, the review of the course outline and schedule is done by the Faculty Council and appropriate measures are taken.

2.3.3 Does the university face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

No. Usually the contents of the syllabi for various courses are completed within the stipulated time. However in certain unavoidable circumstances due to unexpected holidays, or during natural calamities which are beyond the control of the university, the actual teaching days may be lost causing delays. Nevertheless, the teachers engage in additional classes to complete the course on time.

2.3.4 How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

The University constantly takes efforts to make its learning student-centric. Despite differences in teaching methodology adopted by various schools/centres, depending on the nature of the programmes offered, the teaching learning process in every academic programme is student-centric. The approaches adopted at the university to make learning student-centric include:

- > Formal/informal interaction between the faculty and the students
- ➤ Assignments/ seminars/ debates/ brainstorming sessions
- > Case study, field trips, group projects



- > Tutorials
- > Flipped class room
- ➤ Online interactive learning
- ➤ Interaction of students with external experts/visiting faculty
- > Freedom to select courses/electives within their programmes

2.3.5 What is the university's policy on inviting experts/people of eminence to deliver lectures and/or organize seminars for students?

The University strongly believes that the conduct of special lectures, seminars, workshops, invited talks and symposia by involving the external experts help faculty and students to enhance their capacities. Irrespective of the Schools/Centres to which they are affiliated, the students can attend these programmes conducted in the University. This facilitates exchange of ideas and provides exposure to teaching and research in other institutions of eminence.

Some of the major programmes include,

- Erudite programme: Under the programme, sixty eminent academics, including seven Nobel Laureates delivered lectures.
- Diplomatic Lecture Series is organized in association with the Ministry of External Affairs, Govt. of India.
- Industry-Institute interaction is held many a time involving alumni.
- A Scholar-in-Residence Programme funded by the state Government, in which eminent scholars stay on the campus and interact with students.
- Memorial lectures are held to commemorate the contributions of distinguished faculty who have served in different Schools.
- Schools regularly invite prominent scholars from both the academic institutions and industries of repute for delivering lectures. The lists of activities organized by each School are given in the respective School profile.
- Schools/Centres regularly conduct national and international conferences and workshops in which leading experts are invited to deliver lectures. They also interact with the faculty members and students leading to active collaboration and networking.

2.3.6 Does the university formally encourage blended learning by using elearning resources?

Yes. The University encourages blended teaching and learning through effective use of e-learning with conventional learning resources. Major initiatives taken in this direction are:

• ICT enabled teaching-learning with free internet access has been made



available for students and teachers.

- Open educational resources and study materials are provided through e-mails, Google groups and Whatsapp.
- The University organizes orientation programmes and hands-on training to familiarize teachers and students with modern gadgets software etc.
- Digital online teaching-learning interactive platform-Edmodo introduced in the School of Tourism Studies, facilitates online discussions, assignments and tests. Similarly, other multi-modal, multimedia e-learning platforms are also used in various Schools.
- MOOC programmes are offered by International and Inter-university Centre for Nanoscience and Nanotechnology and the School of Environmental Sciences.
- Students are encouraged to participate in Webinars organized by leading international organizations. They are advised to make use of elearning resources, particularly by NPTEL, Coursera and other leading universities.
- School of Behavioural Sciences utilizes software in Rorschack Interpretative Assistance programme and Statistical Package for Social Sciences for developing skills among students.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?

At Mahatma Gandhi University, the teaching-learning process is carried out with the maximum use of the technologies for improving the quality of teaching. The facilities like virtual laboratories, e-learning, open educational resources and mobile education are used for the benefit of students.

- Official email id is allotted to all staff members. Faculty members are trained in open source learning through awareness programmes.
- The teachers exchange learning materials through e-mails, Google groups, online teaching-learning platforms and Whatsapp.
- Students are also taught to use the best scientific software and databases available on the web.
- Free MOOC program in collaboration with IIRS, ISRO, Hyderabad is given to the students in School of Environmental Sciences.
- Modelling and simulation packages are used by many faculty members to make reasonable predictions.
- World class travel simulation softwares are utilized in the School of



Tourism Studies.

- The access of e-journals through KOHA, J-gate Plus, Sciencedirect, UGC-INFONET and SciFinder are available to faculty and students.
- Faculty utilizes all available e-Learning resources from various international Universities for effective teaching.
- Online submission of assignments and online monitoring system is adopted by some of the faculty members. On line tests are another important mode of evaluation of the students.
- DAISY, the Software for the visually impaired is available in the University Library for improving the learning capabilities of blind students.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the university's educational processes?

Yes. The free software based e-gateway provided by the University Library gives access to various important journals. This facility is extensively used by the faculty and students to update their knowledge. Faculty members and staff of each school and library, provide regular update and communication regarding promotion of Open Access resources (including journals, databases etc.) for the benefit of students. Orientation/training programmes on open source software are organized for faculty and students. The schools, University Library, Centre for High Performance Computing and University Web Centre also provide internet and Wi-Fi for e-learning. Software for checking plagiarism is available in the University Library which is utilized during preparation of M.Phil/Ph.D theses and papers for publication in journals.

2.3.9 What steps has the university taken to convert traditional classrooms into 24x7 learning places?

- Wi-Fi facilities in the schools, Computer Centre, Web Centre, library and hostels, provide students access to open and subscribed e-learning resources at any time of the day.
- Students are given online assignment/tests/discussions/seminars/surveys/projects, so that they can work during off hours also.
- Digital online teaching-learning interactive platform Edmodo in the School of Tourism Studies facilitates online discussions, assignments and tests anytime from anywhere.
- The laboratory and computer facilities are accessible to all students beyond the office hours and holidays.



- Students are encouraged to participate in webinars using video and web conferencing facility.
- Flipped class room concept is introduced effectively.
- 2.3.10 Is there a provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

Yes. Faculty members act as mentors/advisors for the students. As per CSS regulations, there is a Faculty Advisor to each batch of students. The students can approach them any time for academic, personal and psycho-social advice. Counselling facility is offered by the faculty at the School level to the students during different stages of the course to enlighten the students about career progression and placements. If counselling is necessary, services of the Clinical Psychologist in the School of Behavioural Sciences are arranged. The number of such cases is less than 5%.

2.3.11 Were any innovative teaching approaches/methods/practices adopted/put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

The university has been promoting innovations in teaching in an effective way. Different Schools have adopted strategies to enable a better learning atmosphere.

The University also gives prominence to ICT enabled teaching and encourages students and teachers alike to make extensive use of online resources available for effective teaching.

Some of the innovative practices adopted by various schools are as follows:

- In School of Social Sciences, archeology being a major component of the masters and research programmes, an archeological museum has been set up which gives the opportunity for the students to participate in the process of excavation, exploration and the sorting of the remnants and in the process of preservation.
- School of Behavioural Sciences has ventured outside the classroom where students under the guidance of teachers specialize in dealing with the problems of differently abled children and their rehabilitation.
- Certificate and Diploma course in Organic Farming offered by the Department of Life Long Learning and Extension gives its students the practical knowledge of organic farming through field works using virgin soil seen naturally only in forests. This is indigenously prepared in the



practical classes using innovative technology.

- Demonstrative cum interactive method of teaching is employed in School of Environmental Sciences with operating models like rain water harvesting system, 'Self-Contained PV-Powered Domestic Toilet and Wastewater Treatment System' from California Institute of Technology, USA and bio-gas plant for waste management which provides students the first hand knowledge about the working of these models. Dr. R. Satheesh Centre for Remote Sensing and GIS of this school offers programmes using ICT tools which include Edusat based online outreach courses on geospatial tools and applications in collaboration with Indian Institute of Remote Sensing (IIRS), Dehradun mainly through the Amrita Virtual Interactive e-learning World (A-View) internet online platform.
- The flipped classroom is an important teaching method where the students prepare their notes before hand and come prepared to the class. They give lectures as the faculty member, seated along with the other students, listens and serves as a mentor and offers concluding remarks. This is being practiced in School of Chemical Sciences, IIUCNN and SIRP.
- To meet the global industry's requirements, School of Tourism Studies has incorporated the use of travel simulation software, and online interactive platforms like Orell and Edmodo to enrich the quality of teaching and learning.
- School of Pure and Applied Physics has developed an innovative method for simulating biomolecular activities using computer aided techniques for protein drug interaction.
- Project Simulation Method or Problem based Learning is an innovative teaching strategy introduced at the Inter University Centre for Disability Studies aimed at producing professionals who can solve problems using their imagination and critical analytical skills by pairing it with the most advanced theories on pedagogical practices.
- The School of International Relations offered platform for collaborative seminar in public policy and governance as well as various outreach programmes for Human Rights.
- K.N Raj Centre provided facilities for learning programmes to strengthen studies in areas like planning, budget and fiscal management.
- In addition to the above innovative methods, other features like inter-School open courses, brainstorming sessions, focused group discussions/ seminars, tutorials, case study analysis, journal club, panel discussions, webinars and video conferencing facilities for real time interaction with experts/scientists are made use of.



Improvement in learning

The practices mentioned above enabled the students to develop knowledge, skill and aptitude. Technology based learning also helped students to acquire required skills.

The methods used to evaluate the impact of such practices

The performance of the students in seminars, group discussions, summer schools, outreach programmes, field study/project works and national level tests are considered as yardsticks to evaluate the impact. The impact of the innovative teaching-learning approaches is assessed through examination outcomes, placements etc. Positive feedback from the stakeholders is another indicator of the improvement in learning and performance.

Recognition for innovation in teaching

Some of the teachers got awards and recognitions in professional bodies, for outstanding performance and contribution in teaching and research. Considering the outstanding overall performance, the university has initiated steps to recognize those outstanding academics by awarding and publically recognizing them through issuance of Certificate of Merit.

2.3.12 How does the university create a culture of instilling and nurturing creativity and scientific temper among the learners?

The university has made several attempts at instilling creativity and scientific temper among the learners.

Post Graduate Level

- ➤ Peer-to-peer interaction
- ➤ Participating in management and technology meets
- ➤ Involvement of students in individual/ group research projects
- > Special lectures and motivational talks by eminent speakers
- ➤ Involvement of the students in co-curricular, extracurricular and extension activities
- > Guidance and counselling to the students
- ➤ Individual and group assignments
- > Flipped Classroom
- > Field visits and study tours
- Participation/ organizing of seminars and conferences.
- > Summer schools and outreach programmes.

Ph.D Level

➤ Peer-to-peer interaction



- Weekly group meetings by Ph.D advisors
- > Research Forum
- Journal Club
- Research article based teaching
- ➤ Encouraging young learners to present their findings in conferences
- Publish their findings in journals
- > Promoting patenting
- ➤ Business Innovation and Incubation Centre (BIIC)

2.3.13 Does the university consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

Yes. The University considers the project work mandatory in all the P.G, M.Phil., and M.Tech. programmes. As per the scheme, project work and vivavoce, along with project presentation are mandatory for all the students pursuing P.G., M. Phil., and M.Tech. programmes in various Schools/Centres of the University. Accordingly some of the brilliant master and M Phil students come out with a high impact publication during their project phase.

• Number of projects executed within the University:

Approximately 1600 student projects were undertaken during the assessment period.

- Name of external institutions associated with the university for student project work:
- ➤ Centre for Development of Advanced Computing (CDAC), Trivandrum
- ➤ Keltron, Trivandrum
- ➤ Centre for Development of Imaging Technology (CDIT), Trivandrum
- ➤ Centre for Artificial Intelligence and Robotics(CAIR), Bangalore
- ➤ Indian Space Research Organization, Trivandrum
- ➤ Polus S/W Pvt. Ltd. Technopark, Trivandrum
- > Suntech Solutions, Technopark, Trivandrum
- ➤ Hages Business Solutions, Technopark, Trivandrum
- School of Computational Biology, University of Kerala, Trivandrum
- ➤ School of Computer Science, University of Kerala, Trivandrum
- Cochin University of Science and Technology Kochi
- ➤ NEST Cyber Campus, Trivandrum



- ➤ Indian Institute of Science (IISc.), Bangalore
- ➤ Indian Institute of Science Education and Research (IISER), Trivandrum
- National Institute for Interdisciplinary Science and Technology (NIIST), Trivandrum
- ➤ Rubber Research Institute of India(RRII), Kottayam
- ➤ National Chemical Laboratory (NCL), Pune
- ➤ Indian Institute of Technology (IIT), Kanpur
- ➤ Indian Institute of Chemical Technology (IICT), Hyderabad
- Central University, Hyderabad
- Jawaharlal Nehru Centre for Advanced Scientific Research (JNCSR), Bangalore
- > Sree Chithra Thirunal Institute for Science & Technology (SCTIMST), Trivandrum
- ➤ Bhabha Atomic Research Centre (BARC), Mumbai
- > Tata Institute of Fundamental Research (TIFR), Mumbai
- ➤ National Centre for Antarctic and Ocean Research(NCAOR), Goa
- National Institute of Oceanography (NIO), Mumbai
- Sálim Ali Centre for Ornithology and Natural History (SACON), Coimbatore
- Centre for Water Resources Development and Management (CWRDM), Calicut
- Tropical Botanical Garden Research Institute (TBGRI), Trivandrum
- National Disaster Management Authority (NDMA), New Delhi
- National Centre for Earth Science Studies (NCESS), Trivandrum
- ➤ Centre for Molecular Biology (CCMB), Hyderabad
- Rajiv Gandhi Centre for Biotechnology (RGCBT), Trivandrum
- ➤ Indian Council of Agricultural Research (ICAR), New Delhi
- ➤ Regional Cancer Centre (RCC), Trivandrum
- Cashew Export Promotion Council, Kollam
- Raman Research Institute (RRI), Bangalore
- Institute for Plasma Research (IPR), Gujarat
- > Saha Institute of Nuclear Physics (SINP), Kolkata



- ➤ Indian Institute of Geomagnetism (IIGM), Mumbai
- Universiti Teknologi Mara, Malaysia
- Changwon National University, Korea
- Siberian Federal University, Russia
- ➤ Walter Sisulu University, South Africa
- Alamaty Institute of Power Engineering and Telecommunications, Kazakhistan
- > Deakin University, Australia
- ➤ SABIC Innovative Plastics, USA
- University of Pretoria, South Africa
- ➤ Universite De Rouen, France
- > University of Lorraine, France
- University of Lyon, France
- Kansas State University, Manhattan, Kansas, USA
- ➤ Vellore Institute of Technology, Vellore, Tamil Nadu
- ➤ Goodyear Tyre and Rubber Company, Ohio, USA
- ➤ King Mongkut's University of Technology, North Bangkok, Thailand
- University of Antioquia, Colombia
- > MIREA, Moscow Technical University, Moscow, Russia
- ➤ Physikalische Chemie und Physik der Polymere, Leibniz-Institut fur Polymerforschung Dresden, Germany
- Qilu University of Technology, China
- National Taiwan Ocean University, Taiwan
- University of Aveiro 3810-193, Portugal
- ➤ MIREA ,Moscow Technical University, Moscow, Russia
- ➤ Center for Blood Research and Department of Pathology & Laboratory Medicine, University of British Columbia, Vancouver BC, Canada
- > Centre for Development Studies, Thiruvananthapuram.
- > Jawharlal Nehru University, New Delhi.
- ➤ Kerala Institute of Local Administration (KILA), Thrissur.
- ➤ Kerala State Planning Board, Thiruvananthapuram.
- ➤ Gulati Institute of Finance and Taxation (GIFT), Thiruvananthapuram.



- ➤ Institute for Sustainable Development and Governance (ISDG), Thiruvananthapuram.
- > Jinan National University, China.

Role of faculty in facilitating such projects: Faculty members guide students in identifying and formulating the project proposal and linking them with reputed institutions. They constantly monitor the progress of the project work. Students usually undertake projects with research, industrial, social, economic, commercial, literary and educational organizations. Each student is supervised/guided by a faculty member having expertise in the area of study. In some of the interdisciplinary research programmes, the student is supervised by a faculty from the university and an expert from the host institution and this very often leads to a joint publication between the university and the partnering institution.

2.3.14 Does the university have a well qualified pool of human resources to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

Yes. The University has well-qualified and distinguished pool of faculty members in different disciplines. There is a disparity between the number of teaching posts sanctioned and those which are filled. The University addresses this manpower issue by availing the services of Emeritus/Visiting Professors, Adjunct Faculties, Guest Lecturers and Contract Lecturers. At present twelve Emeritus/Visiting Professors are serving the University.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/learning materials? What are the facilities available in the university for such efforts?

- All teachers are provided with personal computers with unlimited internet connectivity.
- Schools/Centres are equipped with smart classrooms.
- Modern multimedia teaching aids like LCD projectors, smart boards etc are available.
- Virtual programmes, teaching-learning software, and video conferencing facilities are also available.
- The university encourages blended learning by using online teaching learning platforms and e-learning resources.
- Orientation programmes and hands-on training for familiarizing faculty members with the use of various software for teaching-learning are conducted regularly.



2.3.16 Does the university have a mechanism for the evaluation of teachers by the students/alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

Yes. The university uses the feedback obtained from students and alumni in the prescribed format to evaluate the teachers. The feedback received from different groups of students and alumni are compiled by the Head of the concerned School/Centre and will be discussed in the Faculty Council for appropriate action. The feedback helps respective teachers to know and improve teaching methods and to develop the course content in succeeding years. Discussion with individual teacher is done by the Head of the Department for taking remedial measures.

2.4. TEACHER QUALITY

2.4.1 How does the university plan and manage its human resources to meet the changing requirements of the curriculum?

The University focuses on quality improvement by encouraging and enabling faculty to:

- Attend refresher, and orientation courses organized by the UGC-Academic Staff Colleges and other reputed institutes.
- Acquire higher qualifications like Ph.D, and Post-Doctoral research under Faculty Development Programmes (FDP) and to avail international fellowships.
- Avail visiting fellowship in reputed institutions and foreign universities.
- Attend academic and training programs in their respective discipline, as well as to organize national/ international workshops/ seminars/ conferences etc.
- Pursue inter-disciplinary approach in research and academic program designing.
- Undertake consultancy with industry/organizations which helps in better curriculum designing and to initiate research programs for students.
- Carry out quality research and publish papers in reputed journals and filing of patents.
- Avail research grants from national and international agencies.
- Supervise the students research work at PG, doctoral and post-doctoral levels.
- Develop collaborative research programs with reputed national/international institutions and organizations.
- The university is also able to attract post-doctoral fellows from different



parts of the country to take up the challenging task of research and in some cases teaching assignment in different schools and centres.

• Ph.D students also take part in supporting master level laboratory exercises and projects for the students which is mutually beneficial.

2.4.2 Furnish details of the faculty

Highest Qualification	Professors		Associate Professors		Assistant Professors			
	M	F	M	F	M	F	Total	
Permanent Teachers								
D.Sc./D.Litt.	1	-	-	-	-	-	1	
Ph.D.	17	4	16	5	27	8	77	
M.Phil.	-	-	1	2	2	3	8	
P.G.	-	-	-	-	2	3	5	
Temporary Teachers	Temporary Teachers (Guest Faculty)							
Ph.D.	-	-	-	-	8	5	13	
M.Phil.	-	-	-	-	8	4	12	
P.G.	-	-	-	-	10	16	26	

2.4.3 Does the university encourage diversity in its faculty recruitment? Provide the following details (school/school-wise).

Yes. The university follows the regulations of UGC and the state government policies in recruiting faculty to various Schools. Following is the breakup of recruitment for regular faculties:

School/ School	Faculty from the same university (%)	Faculty from other universities within the state (%)	Faculty from universities outside the state (%)	Faculty from other countries (%)
School of Behavioural Sciences	17	66	17	0
School of Biosciences	27	64	0	9
School of Chemical Sciences	10	60	20	10
School of Computer Sciences	0	50	50	0
School of Environmental Sciences	50	0	50	0
School of Gandhian Thought and Development Studies	25	50	25	0



School of Indian Legal Thought	17	83	0	0
School of International Relations and Politics	0	60	40	0
School of Letters	42	29	29	0
Department of Life Long Learning & Extension	0	100	0	0
School of Management and Business Studies	12	64	24	0
School of Pedagogical Sciences	0	89	11	0
School of Physical Education and Sports Sciences	0	75	25	0
School of Pure and Applied Physics	43	28	29	0
School of Social Sciences	0	50	50	0
School of Tourism Studies	40	20	40	0

2.4.4 How does the university ensure those qualified faculties are appointed for new programmes/emerging areas of study (Biotechnology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?

In the event of recruitment for new programmes, advertisements are given in widely circulated dailies and in the university website. Applications are thoroughly scrutinized and open selections are made purely on merit-cumreservation basis. In the last four years, three permanent faculty members were appointed. If the University has constraints in filling up the post, then qualified and experienced persons are appointed as guest faculty. 56 guest faculty members have been appointed in various schools since 2010. It is to be noted that Mahatma Gandhi University is the only university in the state of Kerala which has been awarded the DBT BUILDER Programme by Department of Biotechnology, Government of India, in which 3 Assistant Professors have been appointed.

Most of the faculty members in the university have strong motivation, self learning initiatives and national/international collaborations and experience



which lead to the development of competence to teach and initiate research in new areas like Nanotechnology, Material science, Forensic computing etc.

2.4.5 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the university?

At present there are four Emeritus Professors and six Visiting Professors serving the University.

2.4.6 What policies/systems are in place to academically recharge and rejuvenate teachers? (eg. providing research grants, study leave, nomination to national/international/conferences/seminars, in-service training, organizing national/international conferences etc.)?

The policies/systems of the Mahatma Gandhi University for the academic recharge and rejuvenation of teachers are:

- Faculty Development Programme for University/College teachers.
- Deputing teachers to attend FDP and Staff Development Programmes (SDP) organized by different Universities with the help of UGC funding.
- Granting study leave and sabbatical leave to the faculty for higher studies/ research.
- Providing financial assistance to faculty to participate in national and international seminars and conferences to acquire latest developments in their area of research.
- Special casual leave (10 days/year), and duty leave (30days/year) to teachers for attending conferences/seminars and other academic activities in other universities.
- Encouraging and funding university schools to organize national and international conferences/seminars and workshops.
- Allowing University Schools to procure state of the art equipment for the establishment of new laboratories.
- Providing doctoral and post-doctoral scholarships for promotion of higher education and high quality research.
- Funding for procuring latest references/textbooks, journals and other eresources for University library and School libraries.
- University has organized several training programmes and workshops for patent awareness.
- International, Inter-University and Inter School Centres augment the university in its effort to become potential Centres of Excellence in their areas of specialization.
- DST funded Inter University Instrumentation Centre provides faculties and students accessibility to sophisticated scientific devices.



- Academia Convergence Complex has been set up by the university to strengthen interdisciplinary and multidisciplinary research programmes by sharing human resources, sophisticated scientific devices and laboratories of all the Inter-University and Inter-School Centres.
- 2.4.7 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

2011

• Carl Trygger Post-doctoral Research Fellowship (2011): Uppsala University, Sweden (**Dr. S. Anas**, School of Chemical Sciences)

2012

- Fellow of the Royal Society of London, FRSC, 2012 (**Prof. Sabu Thomas**, School of Chemical Sciences)
- Research Award from UGC for a research on the Cultural implications
 of the transformations of boat races in Kuttanad, Kerala (Dr. Aju K.N,
 School of Letters)

2013

- Bronze Medal of Chemical Research Society of India, 2013 (Prof. Sabu Thomas, School of Chemical Sciences)
- Materials Research Society of India Award (2013). (Prof. Sabu Thomas, School of Chemical Sciences)
- Professorship at IIT, Madras (**Dr. M. S. John**, School of Gandhian Thought and Development Studies)
- Best Teacher Educator Award of Council of Teacher Educators (CTE, 2013), (**Dr. Celine Pereira**, School of Pedagogical Sciences)

2014

- Society for Educational and Scientific Research. (SESR) Nanotech Scientist Award- 2014 (Prof. Sabu Thomas, School of Chemical Sciences)
- Research Award from UGC for a project on the Construct of the Nation in Post independent Malayalam Cinema(Dr. Saji Mathew, School of Letters)

2015

- Honorary doctorate (D.Sc.) from the University of South Brittany, Lorient, France (2015) (Prof. Sabu Thomas, School of Chemical Sciences)
- Nanoscience Research Leader Award 2015 by Cognizure Publishers, hostess of the International Journal - Science Letters (**Prof. Suresh Mathew**, School of Chemical Sciences)



 Gandhian Service Award 2015 (Dr. George Joseph, School of Indian Legal Thought)

2016

- Rudolph A Marcus Award 2016 in Chemical Sciences by Lognor, Publishers of Science Advances Today (**Prof. Suresh Mathew**, School of Chemical Sciences).
- Second prize in the Evonik Industries Chemistry Research Proposal competition ECRP 2016, Germany (Dr. G. Anilkumar, School of Chemical Sciences).
- **Dr. APJ Abdul Kalam Award** for Scientific Excellence 2016 (**Prof. Sabu Thomas**, School of Chemical Sciences).
- The Loyalty Award "International Materials Technology Conference Exhibition" May 2016 Loyalty Award Club (Membership Number -IMTCE-LC-017) (Prof. Sabu Thomas, School of Chemical Sciences)

2.4.8 How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?

For enriching the teaching-learning process and promotion of excellence in teaching and research, the University encourages teachers to undergo training and development programmes. The details of staff who have undergone Staff Development Programs during the last six years are given in Table.

Academic Staff Development Programme	2010- 11	2011- 12	2012- 13	2013- 14	2014- 15	2015- 16
Refresher courses	4	3	4	3	3	3
Orientation programmes	2	2	3	2	2	1
HRD programmes	2	1	2	1	2	1
Staff training conducted by other institutions	4	3	4	4	5	3
Staff training conducted by the university	1	1	1	1	1	1
Summer/Winter schools, workshops etc.	14	16	15	17	16	15



2.4.9 What percentage of the faculty have:

been invited as resource persons in Workshops / Seminars / Conferences recognized by National / International professional bodies?

About 85% of the faculty have been invited as resource persons in workshops/seminars/conferences.

> participated in external Workshops / Seminars / Conferences recognized by National / International professional bodies?

Almost 100% of the faculty have participated in workshops/seminars/conferences recognized by National/ International professional bodies.

presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies?

Allmost 100% of the faculties have presented papers in workshops/ seminars/conferences conducted or recognized by professional agencies.

> teaching experience in other Universities/National institutions and other institutions?

About 80% of the faculty have taught in other Universities, national institutions and industry.

> Industrial engagement?

About 30% of the faculty have worked in industries or have exposure to industrial scale operations.

> international experience in teaching?

About 20% of the faculty have international experience in teaching.

2.4.10 How often does the university organize academic development programmes (e.g.: curriculum development, teaching-learning methods, examination reforms, content/knowledge management etc.) for its faculty aimed at enriching the teaching-learning process?

The university, through its Schools and IQAC regularly conducts meetings and programs for updating curriculum content, upgrading the teaching techniques, adopting new technologies for teaching, thus enabling the students to benefit. University encourages faculty members to attend orientation/refresher courses/staff training/summer/winter workshops. The university reviews the curriculum, examination system practices, teaching-learning methods and takes necessary steps for their improvement. Examination reforms are a constant exercise in the university, as per the needs and changing



academic scenario. Periodic meetings are conducted by the CSS to discuss the reforms required and they are implemented, upon the approval of the Academic Council. An International Faculty Developmet Programme was organized in collaboration with North Carolina State University in 2014 at the campus. A faculty Development programme for University faculty was conducted by the University from 30th July to 12th August 2015.

2.4.11 Does the university have a mechanism to encourage

- Mobility of faculty between universities for teaching?
- Faculty exchange programmes with national and international bodies?

If yes, how have these schemes helped in enriching the quality of the faculty?

Exposure of faculty to other national and international bodies has been highly beneficial. The University encourages the faculty to take up teaching and research assignments in other universities, including foreign universities both for short and long periods as visiting fellows. Similarly, the university regularly invites experts, visiting faculty and resource persons from other universities and research institutes in India and abroad.

Collaborations have been established with such institutions and the university has signed many MoUs with national and international institutions. Through this, the faculty members of Mahatma Gandhi University visited these universities and delivered lectures and interacted with the leading researchers. Through international collaborative projects, researchers also get the opportunity to carry out joint advanced research and to gain expertise in their respective areas of research and teaching. This experience has also been beneficial to improve the overall academic quality in the university.

University has several chairs, and distinguished Professors and diplomats from India and abroad are invited to receive Chair Professorship. The Chair Professors/ diplomats interact with the faculty members and students on areas of mutual interest. Joint research publications and patents with academics from other institutions are ample testimony to the effectiveness of collaborative programmes.

2.5 Evaluation Process and Reforms

2.5.1 How does the University ensure that all the stakeholders are aware of the evaluation processes that are in place?

The Mahatma Gandhi University ensures transparency and accountability in evaluation of students in various programmes through various strategies. This is applicable to both internal and external components. Internal evaluation is continuous and teachers provide adequate and timely feedback to students. Their marks/ grades are intimated and sufficient remedial measures are suggested for improvement.



All Schools in the University conduct induction programmes for freshers. During the induction programme, the students are given an idea about the structure of the programme and evaluation processes involved. The University has adopted progressive evaluation strategies at the University School level. It has been conducting courses with academic flexibility on a credit based system.

Internal examination uses a large variety of evaluation strategies, such as test papers, surprise tests, seminars, projects, practical, and industrial visits. Guidelines showing components of internal and external assessments are displayed in the University website. Mark lists of internal examinations are put up on the notice board. The system of employing external examiners for setting of question papers and valuation during alternate semesters is another feature.

As per the PG regulations of the university, the performance of a student in a course is assessed (evaluation) in two stages – Continuous Assessment (CA with 50% weightage) and End Semester Assessment (ESA with 50% weightage). The faculty in charge of the course informs the continuous assessment strategies, modes, schedule, weightage etc. of a course in the syllabus and publishes it in the website for information to registered students.

The schedule of the ESA, finalized by the respective Faculty Councils is published on the notice board for information to all concerned. The Heads of the respective schools consolidate the continuous assessment scores of different courses of a programme for a given semester. Different modes of grievance redressal mechanism are functional at faculty, school and university levels.

As per the PG regulations of the university, a double blind valuation scheme (one internal and the other external) is in place for the end semester assessment. The schools finalize the grades of the individual courses considering the performance of the students in CA and ESA. The final results are forwarded to the office of the Controller through the CSS for final approval and publication. Assessments of the course work of Ph.D/M.Phil students are also done in a transparent manner and they are published in the notice board.

2.5.2 What are the important examination reforms initiated by the University and to what extent have they been implemented in the University Schools and affiliated colleges? Cite a few examples which have positively impacted the examination management system.

The university has successfully implemented CBCSS for the various programmes. Use of ICT in managing the finalization of examination results has been introduced saving a lot of labour, time and paper. The University publishes examination calendar every year highlighting deadlines for all examination related matters.

The University has also introduced fast track mode for issuing of degree certificates by which the students can have the same within a period of 30 days from the date of application, once the result is published.



There is a proposal for having an open book examination and each school has been asked to suggest areas where this can be implemented. Other than this, several modes of internal evaluation are being experimented in various Schools and Centers of the University which include objective question exams, commentaries, evaluating movies/ documentaries etc. For the PhD programme, new proposal has been made for the rapid evaluation of thesis and conduct of the viva voce examination by Skype for fastening the process which is under the consideration of academic bodies.

The performance of the students in the seminars and assignments is judged based on the criteria prepared by the concerned faculty and approved by the Faculty Council. Assignments and seminars are conducted by the Schools concerned in a manner that helps the students to develop a clear perspective and a critical appraisal of the issues around them. For example, in the School of Environmental Sciences assignments on field problems related to societal needs (like solving drought in an area, mitigating landslides, mapping an area to find out resources, surveying of an area) are given to students as assignments and group projects which are evaluated. Such activities provide students an opportunity to identify a research problem and to come out with exciting results.

In the School of Chemical Sciences,teachers apply new teaching strategies like flipped class rooms for internal evaluation and better dissemination of knowledge. In School of Letters, apart from regular seminars, students are asked to develop and perform drama and other art forms as part of their evaluation process. In the School of International Relations and Politics, film reviews are regularly done as part of specialized courses.

In the School of Communication and Journalism, students prepare news reports and make their own visual presentation. They are recorded on video camera and are screened before the whole class to be evaluated by the peer group. The students also prepare news reports which are designed, edited and finalized using different editing software.

2.5.3 What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode / media adopted by the University for the Publication of examination results (e.g. website, SMS, email, etc):

The University has been very prompt in the conduct of examinations and timely publication of results. All Schools in the University are being provided with the academic autonomy facilitating immediate declaration of results. Results are published within 60 days of the last exam of the particular semester. Normally there is no delay in the publication of results as each School starts the valuation process within 10 days after an examination. The results for the affiliated colleges are published through the website (www.mguniversity.edu. –Examinations).



2.5.4. How does the University ensure transparency in the evaluation process? What are the rigorous features introduced by the University to ensure confidentiality?

The university ensures full transparency in the evaluation process. Confidentiality and transparency are maintained throughout the pre examination, examination process and post examination processes. The paper setters are nominated by the Vice-Chancellor from the panel suggested by examination committee. The answer books are checked by qualified experts appointed by the Vice- Chancellor. To ensure transparency, students are allowed to see the evaluated answer books and can record their grievances. Projects work is evaluated by external and internal examiners as per the provisions of the university. The faculty members supervise the project work and give proper feedback from time to time.

A grievance cell is constituted by the CSS to address the grievance of the students at the School level as well as at the University level.

2.5.5 Does the University have an integrated examination platform for the following processes?: Pre – examination processes and Post Examiation processes

Pre – **examination processes:** Mahatma Gandhi University follows an integrated examination process. Pre-examination process involves notification of examination date, registration for exams and issue of hall tickets to students online. Also the examination section generates student attendance list.

Invigilators for conduct of examinations and expert members as squads for surprise visits in the examination centres—are appointed by the university. Information of question paper setters is strictly confidential and dealt by the Controller of Examinations. The list of external examiners in double valuation scheme is handled by Chairman of Pass Board with the approval of the Vice-Chancellor in a confidential manner.

Examination processes All examination materials are counted, listed and accounted for. Actual conduct of examination is done by concerned institutions in their premises following the examination manual. The paper setters are nominated by the university from the panel suggested by examination committee. The answer books are checked by qualified experts appointed by the university. False number system is being followed at UG/PG levels in colleges during the evaluation to ensure confidentiality.

Post – examination processes

Attendance sheets are generated for each examination and the same is forwarded to the Controller of Examination. All answer sheets are sealed in assigned covers in the examination hall. The Chief Superintendent/HOD has the safe custody of papers. As stated earlier, the scripts are evaluated and minutes of the Pass Board (with tabulated mark list) are transferred to the Controller of Examination for



processing, results publication and certification. Students are allowed to see their evaluated answer books to ensure transparency.

2.5.6 Has the University introduced any reforms in its Ph.D evaluation process?:

Mahatma Gandhi University has introduced reforms since July 2010 for its Ph.D programmes. The university strictly follows the UGC regulations for evaluating Ph.D thesis. The new regulations contain details regarding the admission process, number of candidates to be guided by a supervisor at any given time, constitution and conduct of doctoral committee, course work and evaluation of thesis.

The Ph.D Regulations 2010 contain several provisions relating to evaluation of Ph.D thesis which is followed by the University. They include the following

- The maximum time given for valuation of Ph.D thesis is 45 days.
- On non receipt of evaluation report from the examiner concerned reminders are sent to the examiner after 30 days and a further reminder is sent after 45 days in addition to contacting the person concerned over phone/e-mail.
- On non receipt of report from the examiner after 60 days from the date of assigning valuation, orders are issued by the Vice Chancellor to cancel the appointment and directions are issued to the examiner concerned to return the thesis. The thesis is then forwarded to a fresh examiner whose name is marked next in the panel of examiners by the Vice Chancellor.
- Monthly updates regarding submission of synopses/thesis along with the subject and date of submission; conduct of open defence, public viva-voce along with details like date of submission of thesis, date of viva- voce and remarks, if any, are submitted to the Vice Chancellor and the Director of Research.
- Declaration is sought from those who are appointed as adjudicators seeking their willingness to act as Chairperson and to conduct open defence/ public viva voce. If the examiner does not give consent for the above, fresh consent is sought from the next selected person in the panel of examiners.
- After the valuation of the thesis the first among the three examiners in the order of preference is appointed as Chairperson by the Vice Chancellor and the examiner concerned is requested to give acceptance for the same within 15 days of receiving the nomination letter. The date of viva voce is within 30 days of receipt of acceptance by the Chairperson. The copies of the evaluation reports are also sent to the Chairperson. In case the first examiner does not respond the next in the order of preference is appointed as chairperson.



- The university has dispensed with the practice of getting consolidated report from the Chairperson after completion of Ph.D valuation.
- The panel of examiners for adjudication of thesis consists of 10 to 12 experts of national or international standing known for their integrity and judgment and having no less than 10 years of teaching/research in the subject concerned.
- 50% of the experts in the panel are form outside the state.
- The invitation for Ph.D Open Defence and public Viva Voce can be sent by ordinary post instead of under certificate of posting and registered/speed post.

2.5.7 Has the University created any provision for including the name of the college in the degree certificate?

Mahatma Gandhi University has ten autonomous colleges which were started in the academic year 2014-15. University Law's 3rd Amendment Act 2014, by the Government of Kerala stipulates that the name of the autonomous college shall be mentioned in the certificate conferring the degree/diploma/title certificate, if the college requests for the same. The first batch of the students are yet to passout from the autonomous colleges.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations?

Complaints with regard to examinations and results are adequately addressed and wherever necessary re- examinations and revaluations are conducted.

- In case of grievances regarding conduct of class test, semester examination and valuation methodology, students can approach the concerned teacher for grievance redressal.
- Further appeals can be made at the School/Centre level where a grievance redressal cell headed by the Director of the School is in place.
- A third level of appeal is the University level Grievance Redressal Cell which is the final authority for examination related grievance redressal.
- As regards external examinations, the student can apply for re-valuation as well as scrutiny of answer books, in the case of UG programmes. Recently, the University has introduced a scheme whereby the student can access photocopies of his/her answer books.



2.5.9 What efforts have been made by the University to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

The Office of the Controller of Examinations of the university is at present headed by the Controller of Examination. Mahatma Gandhi University conducts examinations for the different programmes offered through its schools, centres, self financing institutions run by the university, affiliated aided colleges and affiliated unaided colleges during two sessions every year.

The website of university provides a single window online facility for every candidate of the University for pre-examinations enrollment, registration to University examinations and getting the scores in the examinations. Colleges can submit details of candidates for examination registration and download hall tickets online through this portal.

The examination manual has been issued which contains clearly defined duties and responsibilities of staff at the office of the Controller of Examinations. This has resulted in the smooth functioning of the office. Evaluation of answer scripts of most of the programmes offered by the University is done by way of centralized valuation camps ensuring coding before evaluation process.

One of the significant measures which benefitted the students' community is the issue of degree certificates under fast track mode by which the students can have the same within a maximum period of 21 working days from the date of application.

2.6. Student Performance and Learning Outcomes

2.6.1 Has the University articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

The Mahatma Gandhi University has a clear vision and mission for achieving its academic goals. Each individual school has framed its own vision and mission regarding the graduate attributes expected to achieve in tune with that of the university.

The UGC emphasizes the importance of knowledge, development of skill, technology application, communication and presentation ability promoting the development of research culture and ethics. The university too, in its mission, speaks of these attributes to be achieved. Various academic programmes are planned and designed to achieve the attributes set by the regulatory bodies as well as the university.

The Mahatma Gandhi University advocates promotion of graduate attributes in acquiring conceptual, original and up-to-date knowledge in his/her discipline with the best practical orientation. With good communication skills and fine ethical values, excellent social responsibilities and environment friendly enterprises, the graduates are expected to become the torch bearers of wisdom.



The above is facilitated by the lectures that are combined with presentations, case studies, group discussions, class tests and projects. Monitoring of these attributes is done at the faculty and at school level. Strong practical orientation is achieved through practical classes, laboratory work and projects in – School, Industry and advanced institutions. Again monitoring of achievements and their final outcome is done at the School level.

There is adequate emphasis on development of skills required to perform effectively in the industry, research and higher educational fields after completion of the academic programme. Hands on experience is provided whenever and wherever possible to promote a better understanding of real life situations and reciprocate effectively.

A Language Laboratory and a Career Counselling and Placement Cell functions in the University to enhance the communication skill of students. The University also gives emphasis on promotion of business incubators and start-up ventures with the objective to kindle the entrepreneurial spirit among students, and provide customized support to pioneering business ideas with high growth potential. These initiatives support job creation, university – industry collaboration, and generate revenues for local business and governments.

Classroom learning adopts blended learning methods to facilitate effective learning. Learning is made student-centric through interactive discussions, class room presentations and weekly seminars. Faculty uses lectures, presentations, case studies and laboratory exercises to improve student learning. Power point presentations, discussions in the classroom, preparing assignments, projects, flip classrooms, field visits, surveys and presentation by the students have been used to support classroom teaching. Students are encouraged to develop abstract and quantitative reasoning abilities. Thus efforts are made to ensure holistic development of the student.

2.6.2 Does the University have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?

Yes, Mahatma Gandhi University has clearly stated learning outcomes for each of its academic programmes. The learning outcomes expected of each programme are clearly stated in the curriculum of the respective academic programme. A well framed course outline with aim, objectives and teaching learning activities are provided to the students before the commencement of the programme.

The Faculty members explain to the students, the expected learning outcomes of the course, the teaching-learning methodologies, mode of examinations, conduct of student projects, societal responsibilities, career prospects etc. during the induction programme conducted at the beginning of the course.

Planning and implementation of the lessons are done semester wise by the



faculty members keeping in view of the learning outcomes. The basic objective of the teaching learning process is to enable the students to achieve the stipulated level of knowledge acquisition and skill development as required in the syllabus.

Besides the programme outcome, the curriculum also states the learning outcome expected of each individual as specified in the aims and objectives section.

The students and staff are made aware of the institutional objective through its official publications like the annual report, news letters, official website etc. Each School takes special care to have its own specific learning outcome catering to the needs of research institutes and employment market.

2.6.3 How are the University's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

The University's teaching, learning and assessment strategies are structured in view of the larger mandate of the university. The courses are taught through an effective blending of conventional and modern instructional strategies and resources that make use of all ICT resources, tools etc.

Respective Schools ensure that the programme and course objectives are met through a pre-planned academic schedule involving a host of curricular and co-curricular activities. Modes of assessment involving continuous and end semester assessments are meticulously designed to appropriately test the learning outcome expected of the course and programme.

Schools update their programme curriculum regularly to keep pace with the recent development and advances in the field of study and to reflect the changing needs and demands of the society, market and industry. To equip the existing faculty members to cope with the ever-evolving curriculum, ample support, guidance, opportunities and encouragement are provided to them for updating their skill set and knowledge base. This is accomplished through faculty development programmes.

Students are made aware of the programme objectives. For instance, they have to realise that, core courses are mandatory for securing a degree. They are also made aware of the benefits of the elective courses. Students are encouraged to develop abstract and quantitative reasoning abilities. Enrichment programmes and capacity building programmes offered by various schools have added value to the existing programmes. To ensure holistic development, teaching-learning process is made student-centric through interactive discussions, class room presentations and weekly seminars. New innovations in teaching – learning and evaluation process like flipped class rooms, surprise tests, tests with open books, online examinations and assignments etc are also incorporated to ensure achievement of the intended learning outcomes.



The teaching, learning and assessment strategies are structured right from framing the curriculum and preparing the annual plan by the schools and boards of studies. The students are updated with the information relating to time table and the academic programme during the induction programme. Learners are assessed through the informal interaction at the end of each teaching session and doubts of the learners are cleared. Internal assessment scheme, home assignments, seminar presentations, student project reports and internal examinations as well as semester examinations are the assessment strategies structured to facilitate the achievement of the intended learning outcomes. A fool- proof internship placement system is in place through its industry linkages and it has resulted in achieving the intended goals through professional placement.

The University also has structured committees like guidance cell, placement cell, counseling cell, eco club, women cell etc attached to several schools to help the students to orient themselves in relation to specific aims.

2.6.4 How does the University collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?

The internal and external evaluation processes are a good indicator to evaluate a student's output. The results of each semester are critically examined by the pass board course-wise as well as student-wise. Necessary changes in easing and enhancing the learning process is undertaken on the basis of student feedback. The learning outcomes are collected through the regular informal interaction in the classes, periodical tests, internal assessment, home assignments, seminar presentations, student project reports and internal examination as well as end-semester examinations.

Teachers discuss in staff meetings, the difficulties faced by the students related to language and communication skills, technology awareness, socio-cultural issues etc. These are discussed and addressed in the classrooms for the benefit of all students. In addition, the feedback taken from the students are utilized in making the necessary modifications in institutional functioning.

Slow learners are identified and counseled individually in case of specific difficulties. Staff members themselves work out the strategies suitable to overcome their barriers. The university has provision of remedial coaching for the backward students, where, areas of difficulty as per their requirement are addressed. Satisfactory and high level learners are also motivated and provided guidance to perform better. Scholarships provided by the Government, UGC and other funding agencies as well as the university definitely motivate the learners.



2.6.5 What are the new technologies deployed by the University in enhancing student learning and evaluation and how does it seek to meet fresh/ future challenges?

The Mahatma Gandhi University encourages the use of e-learning resources along with the traditional learning resources for effective teaching and research. The university has well established central computer facility. Every teacher has been provided either a laptop or desktop to carry out his/her work. It enables the faculty members to prepare computer aided learning materials. Faculty members encourage students to use web resources for preparing study materials and proper information is supplemented to them. The Schools and hostels have round the clock internet connection.

With the help of LCD and smart classroom facility, effective teaching and learning takes place in the campus. Some of the effective technologies used by the university include:

- Smart class rooms
- Campus-wide Wi-Fi enabled high-speed internet connectivity
- 24x7 online access of course contents and other learning resources through the Open Learning Content Management System
- Access of Massive Open Online Courses (MOOCs) resources from Udacity, Coursera, etc.
- Access to digital resources like e-books, e-magazines, e-journals etc
- Access to online Educational Video and Audio Resources
- Access to more than 10000 online e-journals
- Access to other web resources like online encyclopedia, online digital libraries, portals & gateway, institutional repositories, web directories, etc.
- Access to virtual laboratories and tools
- Access to blogs, social networks, online discussion forums
- Edmodo, an interactive teaching learning platform

All these modern learning resources, tools and services have turned the conventional classrooms into 24x7 learning place.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the university have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes. There is a University Research Committee consisting of the following members.

Sl.No	Designation
1.	Vice- Chancellor, Chairman
2.	Pro-Vice Chancellor
3.	Registrar
4.	Member Syndicate
5.	Director of Research
6.	Director, College Development Council
7.	Member-1*
8.	Member-2*
9.	Member-3*
10.	Member-4*
11.	Member-5*
12.	Member-6*
13.	Member-7*

*Eminent Academicas Nominated by VC

Important reccomendations of the Research Committee are the following:

- 1. Implementation of UGC regulations
- 2. Award of Ph.D degree
- 3. Recognition of Research Centres.
- 4. Recognition of Research Guides
- 5. Renewal and Extension of Ph.D registration

In addition, the University Syndicate has a Standing Committee for policy decisions with respect to research & development. The committe consists of a Convenor and members of the Syndicate.



3.1.2 What is the policy of the university to promote research in its affiliated / constituent colleges?

At Present the University has approved Research Centres (for affiliated colleges and other institutions).

Affiliated Colleges as Research Centres: Number of affiliated colleges as research Centres: $\mathbf{40}$

Institutes recognized as Research Centres: Number of Institutes (State/National) as research Centres: **46**

The University has a vibrant Directorate of College Development Council (DCDC) which coordinates the research needs of affiliated colleges. Directorate of College Development Council acts as the Coordinator for all affiliated colleges with the UGC (SWRO at Bangalore). The activities carried out by DCDC are listed below.

CI	SI		Academic years				
	Activities	2010-	2011-	2012-	2013-	2014-	2015 16
No		11	12	13	14	15	2015-16
1	Minor Research Projects Forwarded to UGC	60	78	295	425	373	77
2	Major Research Projects Forwarded to UGC	3	10	28	12	4	Nil
3	Seminar Proposals forwarded to UGC	43	86	204	241	188	195
4	UGC Sponsored Seminars Certified	48	63	85	61	122	84
5	Other Seminars Certified	12	15	2	4	1	2
6	Proposals for Developmental Assistance to Colleges Forwarded to UGC	27	Nil	55	74	119	Nil
7	Proposals for Colleges with Potential for Excellence Forwarded to UGC	5	Nil	Nil	Nil	2	9
8	Faculty Development programme (FDP – formerly called FIP)- No of Applicants	26	32	During 12 th Plan period a total number of 214 applications have been forwarded to SWRO - UGC			
9	Short term Programmes			Nil	Nil	Nil	Inter- disciplinary prog conducted for two weeks from 30 th July to 12 th August 2015; for the University Teachers



3.1.3 What are the proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes/projects?

a) **Advancing funds for sanctioned projects**: Funds are advanced subject to availability of funds.

b) **Providing seed money**:

An amount of Rs 100000/- has been earmarked in the University budget as project seed money.

c) Simplification of procedures related to sanctions / purchases to be made by the investigators:

The Principal Investigator is given complete autonomy to utilize the project amount as per the project sanction order. A seperate bank account is opened (with prior sanction of University authorities) for operations of all externally funded projects. No prior sanction is needed for purchase of equipments which is the responsibility of the Principal Investigator of the project and is done according to rules and regulations of the Kerala State Store Purchase Manual. The administrative section provides the DSIR and Excise Exemption Certificates to the Principal Investigator on submission of application with all required details. The certificate is provided within a period of one week on submission of documents. Purchase of consumables is done from vendors who have entered into rate contract with the University.

d) Autonomy to the principal investigator/co-ordinator for utilizing overhead charges:

Normally the overhead charges are deducted prior to transfer of funds to the project account maintained by the Principal Investigator. However, under certain conditions upto 80% of overhead charges are released to the project account.

e) Timely release of grants:

The project funds are normally released to the project account maintained by the Principal Investigators within a period of two weeks after the receipt of funds, in the Mahatma Gandhi University fund.

f) Timely auditing:

The University has an approved panel of five Chartered Accountants. The Principal Investigator of the projects are authorised to get yearly auditing of UC & SE of their projects by any one of the approved Chartered Accountants.

g) Submission of utilization certificate to the funding authorities

The final auditing at the time of submission of completion report is done by the Local Fund Auditor.



3.1.4 How is interdisciplinary research promoted?

a) Between/among different Departments /Schools of the university:

The schools and centres of the university collaborate very actively on joint research programmes. Joint research projects have been submitted to funding agencies on a collaborative mode between schools and centres. Student are also superviased jointly by facuty members of different schools and centres.

Recently, a new concept of convergence of different disciplines is promoted and an exclusive building called Convergence Academia Complex (CAC) is under construction at an estimate of Rs. 29 Crores. CAC will house all the Inter University and Inter School Centres having diversified programmes in order to promote interdisciplinary research.

b) Collaboration with national/Institutes/Industries:

Several schools have collbration with national institute and industries. Here are the details.

Sl No	Programme	Collaborative institute
Sch	ool of Behavioural Sciences	
	GFATM Project - SAKSHAM (The Global Fund to Fight AIDS, Tuberculosis and Malaria, Round 7, HIV/AIDS Counselling Programme), 2009-14	WHO programme funded through Tata Institute of Social Sciences (TISS), Mumbai
Sch	ool of Biosciences	
	DBT builder programme with IIUCNN	DBT
	Molecular mechanism of antidiabetic activity of Costuspictus (No. 025/IBRS/KBC/2013 Dated. 11.11.2013)	Kerala Biotechnology Commission- KSCSTE- Industry Partner-Arjuna Natural Extracts.
	Health promoting capabilities of potential probiotic strains isolated from infant gut microflora	1
Sch	ool of Chemical Sciences	
	Respond project from ISRO	ISRO
	2016-2019	
	Development of high performance rubber nano composites for tyre engineering 2007-2011	DST-Apollo Tyres



Tuning the properties of stimuli sensitive copolymers- A step towards purification of water	
2009-2012	
High performance polymer blend from epoxy resin and PTT for aerospace application	DRDO
2009-20012	
Carbon nanotube filled natural rubber nanocomposites	UGC-DAE
2010-2013	
School of Environmental Sciences	
National Vegetation Carbon Pool – Kerala Region 2011-2013	IIRS, ISRO
Nation wide Environmental Gamma Radiation Monitoring Using TLDs (A National Mission programme)	
2014-2016	
Investigation of the spatial distribution	BRNS
of uranium and associated water quality parameters in five central districts of Kerala	
2015 onwards	
School of International Relations and Politic	es ·
Paddy Culture in Kuttanad, Kerala: Folk Traditions, Rituals and Festivals 2012-14	Indira Gandhi International Centre for the Arts, New Delhi.
MGNREGS Assessment Evaluation Study- Eranakulam District. 2013-15	State Institute of Rural Development, Govt of Kerala.
MGNREGS Assessment Evaluation Study- Pathanamthitta District. 2013-15	State Institute of Rural Development, Govt of Kerala.
MGNREGS Assessment Evaluation Study- Kollam District. 2013-15	State Institute of Rural Development, Govt of Kerala.
School of Pure And Applied Physics	
National pooled funds utilized for the promotion of teaching & research in Astronomy & Astrophysics	MoU with (IUCAA, Pune)
National pooled funds utilized for science development for the Square Kilometer	MoU with Square Kilometer Array India

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Away	Consortium			
Array	Consortium			
School of Social Sciences				
Rehabilitation Plantation: Socio Economic sustainability', (2005)	Project Sponsored by Rehabilitation Plantation Corporation, Punalur			
Evaluation of Ecodevelopment Programme at Periyar Tiger Reserve), (From March, 2009 April, 2011)	Periyar Foundation, Periyar Thekkady.			
School of Tourism Studies				
"Social Media as an influencer among foreign tourists visiting India" 2014-16	Indian Institute of Tourism and Travel Management and Ministry of Tourism, Govt. of India			
Discover Kottayam	District Tourism Promotion Council			
2014-16	(DTPC), Kottayam			
International and Inter University Centre fo	or Nanoscience and Nanotechnology			
Dept of Materials Engineering, Indian	Institue of Science (IISc), Banglore			
Appollo Tyres, MRF tyres				
Rubber Research Institute of India, Ko	Rubber Research Institute of India, Kottayam, Kerala, India - 686 009			
NIIST, Trivandrum, Kerala, India - 69	NIIST, Trivandrum, Kerala, India - 695 012			
Central Power Research Institute, Ban	Central Power Research Institute, Bangalore, India - 56094			
Vikram Sarabhai Space Research Cent	Vikram Sarabhai Space Research Centre, Trivandrum, India			
Rubber Technology Centre, Indian Ins	Rubber Technology Centre, Indian Institute of Technology, Kharagpur, India			
COMPTECH, Indian Institute of Tech	COMPTECH, Indian Institute of Technology, Chennai			
Polymer Chemistry Division, National	Polymer Chemistry Division, National Chemical Laboratory, Pune, India			
Sree Chitra Thirunal Institute of Medic Trivandrum, Kerala, India	Sree Chitra Thirunal Institute of Medical Sciences and Technology,			
	Central Institute of Plastic Engineering and Technology, Guindy, Madras,			
of Polymer Science & Rubber Technology, Cochin - 22, Kerala, India	of Polymer Science & Rubber Technology, Cochin University of Science & Technology, Cochin - 22, Kerala, India			
Indian institute of Chemical Technolog	Indian institute of Chemical Technology, Hyderabad, India			
Laboratory of Condensed Matter Phys of Rajasthan, Jaipur, India	Laboratory of Condensed Matter Physics, Department of Physics, University of Rajasthan, Jaipur, India			
Reliance Industries Limited, Maker Ch Point, Bombay	nambers IV, 3rd Floor, 222, Nariman			
Elastomers Technical Services, Madur	Elastomers Technical Services, Madurai, India			
High Polymer Engineering Division, Department of Chemical Engineering, Indian Institute of Technology, Madras, India				



	Department of Chemistry, Karnatak University, Dharwar, Karnataka, India					
	Department of Civil Engineering, Indian Institute of Technology, New Delhi, India					
	Common Facility Service Centre, Industrial Estate, Changanacherry, Kottayam, Kerala, India					
	Department of Physics, University of N	Mysore, Mysore				
Inter	r University Centre for Biomedical Resear	arch & Super Specialty Hospital				
	IUCBR and Bangur Institute of Neurology, Kolkata	Bangur Institute of Neurology, Kolkata				
]	IUCBR and Manovikas Kendra, Kolkata	Manovikas Kendra, Kolkata				
(ACI	anced Centre of Environmental Str ESSD)	udies and Sustainable Development				
	Small scale water filtration unit using clay. IIT, Jodhpur.					
Inter	Tuniversity Centre For Disability Studio	es				
I	Empowerment of Persons with Disabilities (PWDs) through Community Integration" "Santhigiri Rehabilitation Institute, Vazhithala P.O, Thodupuzha- 685583					
	"Skill development training programme to the persons with disabilities"	Theeradesa Raksha Social Welfare Society (TRSWS), Reg. No. 566/2001, Sidco building, Beach Road, West Hill P.O, Calicut- 673005.				
Adva	anced Molecular Materials Research Ce	ntre (AMMRC)				
I	Propellant Burn rate modifiers	ISRO				
2	2016-18					
KN.	KN. Raj Centre for Planning and Centre-State Relations (KNRC)					
	Conducting Training programmes 2016-17	Collaboration with Gulati Institute of Finance and Taxation, Trivandrum;				
	Participation in training programmes 2015-16	Institute for Studies in Industrial Development, New Delhi				



c) Collaboration with international institutes / industries:

<u> </u>		, 11144 5 1 1	1051		
School of C	School of Chemical Sciences (SCS)				
1	Hierarchical bio composites from Isora fibres and unsaturated polyester	2014- 2016	DST-Austria		
School of E	Biosciences				
2	Dr. J.G.Ray received Prometeo Sabios Fellowship of Ecuador Government to conduct collaborative studies at Ecuador with professors in their university.		Fellowship of Ecuador Government		
School of	Environmental Sciences				
3	Long-Term Monitoring of Kongsfjorden System of Arctic region for climate change studies	2015- 2016	ESSO-NCAOR, MoES		
4	Long Term Environmental Monitoring of Fjord Ecosystems, Ny- Ålesund (Arctic)	2016- 2017	ESSO-NCAOR, MoES		
5	Development of Self-contained, PV powered domestic toilet and waste water treatment system.	2014- 2015	California Institute of Technology, USA		
6	Microbial Fuel Cells	2014	University of West of England (UWE), Bristol, UK		
7	An Interdisciplinary and Community Oriented Innovative Approach	2012- 2015	UGC / Obama-Singh 21st century knowledge initiative/ with Brown University, Duke University and Plymouth State University		
8	Pulse radiolysis of biomolecules	2010- 2012	Indo-French ARCUS Project		
School of International Relations and Politics					
9	Academic Exchanges	2010	Jinan National Uinversity China		
			Institute of Political		

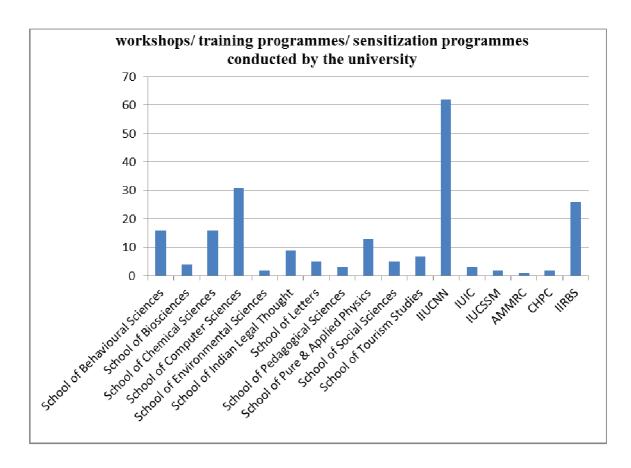
Mahatma Gandhi University

			Studies, Renne,
			France.
			Institute of Political Studies, Bourdeau France.
School of T	ourism Studies		
10	Project for Mango Languages	2011 - 12	Mango Languages, USA
Internation	al and Inter University Centre for Na	noscienc	e and Nanotechnology
11	Nano biomaterials water purification	2016- 17	Researcher Links scheme offered within the Newton Fund, the British Council & Royal Society of Chemistry, London
12	Cross-linked polyethylene Nano composite for cable insulating application	2016- 17	University of Mara, Malaysia
13	The Centre has collaboration with following industries. 1. General Cables, USA, (completed) 2. Surface Treat, Czech Republic, (Running)		
Advanced (ACESSD)	Centre of Environmental Studies and	Sustaina	ble Development
14	Nanofiber structures for efficient enzyme immobilization in membrane applications.	2016- 2019	Network project between Department of Energy Conversion and Storage, Technical University of Denmark (DTU)
15	Advanced membrane processes for water treatment	2016	Ben-Gurion University,Israel



Advanced	Advanced Molecular Materials Research Centre (AMMRC)			
16	"Study of fundamental Chemical and Physical properties of magnetic ionic liquid nanofluids". collaboration with Department of Physics, Rzeszow University of Technology, Poland	2015- 17	DST, Govt. of India & (funding agency in Poland)	

3.1.5 Give details of workshops/ training programmes/ sensitization programmes conducted by the university to promote a research culture on campus.



Name of School/ Department	Details of workshops/training programmes conducted	
School of	1. International Workshop on Building up Research, 11-	
Behavioural	13, August, 2013. Convenor -Ms.Rincymol Mathew)	



Sciences

- 2. Symposium on Enhancing Quality of Research. 25.6.2015 (Convenor Dr. P. S.Sukumaran)
- 3. Workshop on Research Methodology and Statistics. 16-18, September 2016 (Convenor Dr. P. T. Baburaj). Organized through IUCDS.
- 4. Two Weeks Orientation Workshop on Braille (English & Malayalam) for General School Teachers in Collaboration with Regional Centre of National Institute for the Visually handicapped, Chennai. 25.09.2015 to 10.10.2015 (Convenor Dr. K. M. Mustaffa)
- Workshop on Rorschack- Psychological testing. 28-29, September 2015 (Convenor – Dr. Rajeevkumar N.)
- 6. Workshop on Learning Disability. 15.02.2016 (IUCDS) (Convenor Dr. P. T. Baburaj)
- 7. Workshop on Cognitive Behaviour Therapy. 22-24, March 2013. (Convenor Dr. Rajeevkumar N.)
- 8. Empowering Teachers in Mentoring and Student Counselling. 29-31, March 2016. (Dr. rajeevkumar N).
- 9. National Seminar on Management of Learning Disabilities. 22.03.2011. (Convenor Mr. Rajesh E.)
- 10. Workshop on Learning Disability. 28-29, June2016 (Convenor Dr. P. T. Baburaj)
- 11. Workshop on Curriculum Revision. 28-29 April 2016. (Convenor Dr. P. S. Sukumaran)
- 12. Workshop on BEd Special education Curriculum Revision 0n 23.04.2015 (Convener Dr. P. S. Sukumaran)
- 13. Workshop on M.Ed Special education Curriculum Revision 0n 24.06.2015 (Convener Dr. P. S. Sukumaran)
- 14. Seminar on National Trust Act, 1999 and Legal Guardian ship for the parents of individuals with Autism Cerebral palsy mental retardation and multiple



	disabilities, 15.12.2014(Convener Dr. P. S. Sukumaran)
	15. Orientation Course in Indian Sign Language, 11 th – 13 th November 2015(Convener Dr. Muhammad Mustaffa)
	16. Refresher Course on Braille 26.8.2015 – 10.09.2015(Convener Dr. Muhammad Mustaffa)
School of Biosciences	Hands on workshop on DNA Barcoding of microbes.on 30.3.2014. Convener, Dr.Jisha.M.S
	2. Workshop on "Molecular Phylogenetics in Microbiology" 26.9.2012-28.9.2012 Convener Dr. Jisha. M.S
	3. One day Workshop for Teachers of affiliated Colleges in connection with PG Biotechnology Syllabus Revision -2015.
	4. National Training cum workshop on molecular docking and drug designing 23-25 March 2015 organized by School of Biosciences, Mahatma Gandhi University and BioDiscovery Group Life Sciences,, conducted on 23-25 March 2015. Convenor Dr.Prakashkumar B
School of	National work shop on "Fundamentals and
Chemical Sciences	applications Material science" organized in association with SRIBS(KSCSTE) on march 4-6 held at Kottayam
	2. National Workshop on "NMR Spectroscopy", 10 th - 13 th September 2014
	3. Workshop on High Performance Liquid Chromatography (HPLC), 4 th & 5 th November 2013.
	4. Workshop on "Computational Chemistry", May 28 th - 31 st , 2012
	5. Workshop on "Basic Principles and applications of Computational Chemistry", May 23 rd - 27 th , 2011 at IIRBS
	6. DST-PURSE sponsored Workshop on Frontiers of



- Spectroscopy and Microscopy, Kottayam, September 10-12, 2012 (participation)
- 7. National Workshop on Advances in Instrumental Techniques for Nanomaterial characterization on 7-8 March, 2014 at Kottayam (Participation)
- 8. The School has hosted the interactive session on **Indian Space Mission** with Dr. K. Radhakrishnan, former Chairman, ISRO
- 9. Invited lecture **Journey to Mars** by Dr. K. N. Ninan, Former Deputy Director, VSSC, Thruvananthapuram
- 10. National Colloquium on Recent Trends in Organic and Bioorganic Chemistry on 24th October, 2013 at Calicut University, Calicut, India –KSCSTE –G. Anil Kumar and Prof. E. Purushothaman (Course Coordinators)
- 11. National Colloquium on Recent Trends in Organic and Bioorganic Chemistry on 18-20 July, 2014 at Kottayam, India-- KSCSTE –G. Anil Kumar (Course Coordinator)
- 12. Workshop on Quantum Mechanics for M Sc Chemistry students and faculty on 20-21 June 2015 at Kottayam-- KSCSTE –G. Anil Kumar (Course Coordinator)
- 13. Workshop on Group Theory for M Sc Chemistry students and faculty on 30 Oct-1 Nov 2015 at Kottayam -- KSCSTE -G. Anil Kumar (Course Coordinator)
- 14. Workshop on Stereochemistry for M Sc Chemistry students and faculty on 8-10 January 2016 at Kottayam -- KSCSTE -G. Anil Kumar (Course Coordinator)
- 15. National Colloquium in Organic and Bioorganic Chemistry held at Kottayam on 29-31 July 2016 --KSCSTE –G. Anil Kumar (Course Coordinator)
- 16. National Colloquium on Catalysis: Emerging Trendsheld at Kottayam on 30 Sept-2 Oct 2016-- KSCSTE –G. Anil Kumar (Course Coordinator)



School of Computer Sciences

- 1. Interface –Annual Technical Meet, a National level IT Fest organized by the School in association with Computer Science Students' Association of the School, Every December.
- 2. Workshop on "**Tour Making**", Mr. Aravind Paranjpye, Officer for Science Popularization, IUCAA, Pune, October 18-19, 2010.
- 3. Workshop on "FOSS and BOSS", Smt. Saleena H, Senior Technical Officer, CDAC, Trivandrum, December 17, 2010.
- 5. Workshop on "e-Astronomy and Statistics", organized bySchool of Pure and Applied Physics in association with School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January 17-19, 2011.
- 6. Workshop on "MCA Syllabus Revision", Mahatma Gandhi University, 24-25 March 2011.
- 7. Workshop on "Computer Networking Leading to CCNA Certification", March 16, 2011.
- 8. Workshop on "Teaching Learning Process", by Prof. (Dr.) R. Vijayakumar, HOD, School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, 2011.
- 12. Workshop on "Open source software "was organized by the School during 2012, inaugurated by Dr. Iqbal, former Vice-chancellor of Kerala University.
- 13. National level technical talk on "NP Complete Problems and High Performance Computing" as part of Interface2012 in Dec, 2012.
- 14. A one day ISTE e-Workshop on "Creative Teaching" at School of Computer Sciences, October 2013.
- 17 . Spoken Tutorial project(an initiative of NMEICT, MHRD, Govt. of India) in the University, a training session at School of Computer Science and



- Engineering/Computer Applications/IT institutions under M G University on 27.08.2014, at the seminar hall of School of Computer Sciences. **Mr. Swapnil More**, Training Coordinator, Spoken Tutorial (MHRD, NMEICT) IIT Bombay.
- 21. A workshop on 'Training A-view System' by A-View team of Amrita University under the initiative of NMEICT, Ministry of Human Resource Development, Govt. of India, on 23rd February 2015.
- 22. A workshop on 'Scilab' by the Spoken Tutorial Project, through "Talk To A Teacher" project of IIT Bombay on 25/3/2015, funded by National Mission on Education through ICT, MHRD, Govt. of India.
- 23. One day workshop on i. 'Principles and Practices of a Good Professional and Personal Life' and ii. 'How to face an Interview' on 19/08/2015.
- 25. Two-day National Workshop on "India's First Cloud Computing Championship IFC3 INDIA" in collaboration with Neuromancers, IIT Bhubaneswar and Infero, Scitech Council IIT Hyderabad from 9.02.16 to 10.02.16. Our School served as a zonal centre.
- 26. 3 day workshop on "Network Simulator 2" (19.11.15 to 21.11.15) for faculty members as well as M Sc/M Tech and Research students of the School.
- 29. A workshop on "Cloud Solutions and Implementation" for faculty and technical staff of the School on 28.06.2016 by Mr. Saneesh Kaniyath, Sr. Technical Consultant, Smartsoft, Cochin.
- 30. Three day National level workshop on "Data Analytics and Machine Learning Using R" June 15-18, 2016 as part of Capacity Building and Knowledge Upgradation for faculty members and M Sc/M Tech/M Phil and Research students of the



	School , in collaboration with Scientific Computing Solutions, Chennai.
	31. Three day National level workshop on "Data Analytics and Machine Learning Using R" June 15-18, 2016
School of Environmental	1. OSI workshop on "Membrane technology" in collaboration with Duke University, August 2015.
Sciences	2. Nineteenth National Symposium on Environment (NSE-19), December 11-13, 2014 at School of Environmental Sciences, MG University.
School of Indian Legal Thought	1. A National Seminar on Access to health Care in Modern Era: Changing Dimensions, was organised by the School on 13-15th March,20167 th National Moot Court has been successfully organized.
	2. Dr. Ambadkar Memorial Lecture on 29 th & 30 th March 2012 on the topic Access to Health Care in India: Implications of Patent Laws has been delivered by Dr.N.S. Gopalakrishnan (Prof. HRD Chair on IPR and Director, Inter University Centre for IPR Studies, CUSAT.
	3. 8th National Moot Court competition has been successfully organized during 14-16th Feb,2013.
	4. 9th National Moot Court has been conducted during February 20th and 22nd of February 2014.
	5. Dr. Ambadkar Memorial Lecture on 8 th March 2014 on the topic of Constitutional Dharma and Contemporary Challenges has been delivered by R. Venkatramani (Senior Advocate of Supreme Court of India & Member of Law Commission of India).
	6. Legal literacy mission in various schools and colleges in Kottayam district
	7. Dr. Ambadkar Memorial Lecture on 29 th February 2015 on the topic of Judicial Activism and Judicial Restraint has been delivered by Hon. Dr. Justice B.S. Chauhan (Chairman Cauvery Water Dispute Tribunal and Former Judge of Supreme Court of India) on 29th



		bruary 2015 on the topic of Judicial Activism and dicial Restraint.
	20 wa	c. Ambadkar Memorial Lecture on on 30 th March 16on the topic of New Constitution Challenges as delivered by Prof Dr Sivakumar, Prof Indian law stitute, New Delhi on 30th March ,2016.
	Co Ju leo	on'ble Justice V.Eswariah, Chairperson, National ommission for Backward Classes and Former Chief stice High Court of Andhra Pradesh delivered a cture on "Free Press and Independent Judiciary" on 3.12.2015
School of	1. W	orkshop on Malayalam Computing in August 2015.
Letters		orkshop on Poetry, drama, and story in September
	co	orkshop on Knowledge text translation in llaboration with CIIL, Mysore from 13-16 February 13
	(ve	orkshop on reading ancient Malayalam scripts attezhuthu, kolezhuthu, grandhaksharam etc.) in 14
		ranslator's Orientation Programme from 13 to 16 bruary 2013.
School of Pedagogical		nree day Workshop on Research Methodology from to 14 th August 2013
Sciences	Pr	ne day Lecture on Research Methodology by ofessor (Dr.) M. A. Sudhir, Gandhigram Rural niversity, on 7 th December 2014
	Pr	ne day Lecture on Research Methodology by ofessor (Dr.) M. A. Sudhir, Gandhigram Rural niversity, in March 2016
School of Pure & Applied Physics	Ph	ational Workshop on Mathematics for (Astro) hysics, M G University Kottayam, Sept 27 -Oct 01 111 MGU & IRC, Kochi
V	2. Na	ational workshop on Materials characterisation by ffraction Methods, M G University Kottayam,



February 24-25, 20

- 3. Workshop on Developments in Crystallography, SPAP, 16 17, December 2014.
- 4. Inculcate Science Propagation Program by Govt. of Kerala, 27 Sep 2014
- 5. Lecture 5: Frontier Lecture Series 27th Sept 2011 'The Relation Between Mathematics & Physics' by Prof. N. Mukunda (IISc & Vice President Indian Academy of Sciences)
- 6. Workshop on Fourier Transforms in (Astro)Physics Feb 13 -15 2013
- 7. September 28 2015 Prof Dileep Karanth, University of Toledo, Erudite Lecture on Pseudopotential studies of nanowires and nanorings
- 8. Lecture on "Radio Astronomy" by Jagadheep Pandiyan Indian Institute of Space Science & Technology, Thiruvananthapuram 20 November 2015
- 9. "Radio Astronomy Data & Its Analysis" Lecture by Rabi Akkiba Angiras, Member SKAIC Science Working Group 11 Jan 2016]\
- Einstein Lecture Series -Lectures by Prof Bala Iyer, Council Chair, IndIGO Consortium, ICTS TIFR 2nd Feb 2016
- 11. Lecture by Prof John Philip, Head, SMARTS, IGCAR Kalpakkam, on 'Light and the Nano World' 25th Feb 2016
- 12. Infosys Science Foundation Lecture by Prof G Ravindra Kumar, Winner Infosys Prize in Physics on "Extreme Light Extreme States" 29 March 2016
- 13. Lecture by Dr A M Vinodkumar Calicut University on "Fusion: Quest for Super Heavy Elements" 6th April 2016

School of Social Sciences

- 1. Co-ordinated three University level (2010,2011&2012) and two state level ACQUIRE UG Scholarship programme funded by Govt. Of Kerala (2010,2011).
- 2. Co-ordinated two state level PG Workshops



	(AQUIRE) funded by Govt. Of Kerala(2011-12).	
	3. Three Scholar in Residence Programmes funded by the Higher Education Council. (Gayathri Spivak, Romila Thapar(2013) and Partha Chatterjee,2013).	
	4. Five day Social Science Methodologies Workshop delivered by Prof. Ahmed Nissar, 2015.	
	 Five day workshop on Assistive Technologies for Visually Impaired Students doing Social Sciences at ABILITY Station of SSS 	
School of Tourism Studies	One day Workshop on "Zotero" – Library Management Software organized by Kerala Library Association, Kottayam region and School of Tourism Studies in August 2014	
	 One day workshop on "Mendeley" – Library Management Software organized by Kerala Library Association, Kottayam region and School of Tourism Studies on 28th April 2016 	
	3. Two day National Level Workshop on "Contemporary Research Methods and Software Packages" organized by School of Tourism Studies on 25 th and 26 th May 2016	
	4. One day seminar on "How to avoid Academic Plagiarism" organized by Kerala Library Association, Kottayam region and School of Tourism Studies on 30 TH May 2016	
	5. A workshop on 'Discover Kottayam' (tourism product branding) along with DTPC – Kottayam.	
	6. One day seminar on Literary Tourism with DarshanaAcademy and DPC, Kottayam.	
	7. Two day National Level Workshop on Research Methodology and SPSS software in May 2016	
Name of the Centre	Details of programme conducted	
	International, Inter University & Inter School Centers	



IIUCNN

- National Workshop on Hybrids of Nanotubes, Graphene and Dendrimers, Nanotechnology Platforms, April 2013.
- 2. National Workshop on Advances in Nanoscience and Nanotechnology, March 23, 2013
- 3. National Workshop on Advances in Hybrid Materials, March 2013.
- 4. Workshop on HRTEM Imaging, Mahatma Gandhi University, 2012
- 5. National Workshop on "Synthesis, Characterization and Applications of Nanomaterials"-NWNM- 2010 held during 12-14 January 2010

Sensitization Programmes

- Dr. Habeeb Muhammed MA, (Germany)."Hierarchical Gold-Copper Chalcogenide Core Shell Nanoparticle Clusters with Selectable NIR Metal/Semiconductor Plasmon Resonances".31.10.2016
- 2. Dr. Shiju Raveendra University of Amsterdam, Netherlands. "Heterogenous catalysis and its Applications". 20.10.2016
- 3. Prof.Dr. Clement Sanchez(University of Pierre and Maria Currie, France Applications of Hydridmaterials03.10.206
- 4. Dr. Vivek K Srivastava and Dr. Ganesh C. Basak ,Reliance industries, Vododara, GujaratRecent trends in rubber technology01.10.2016
- 5. Prof. Dr. Wim Dehaen, University of Leuven, Belgium. "Hyper branched Polymers based on Isatin and Electron Rich Arenes: Synthesis and Applications". 25.07.2016
- 6. Camille Thevenot, University of de Lorraine in Nancy, France, A piezoelectric polymer material P(VDF-TrFE): elaboration, characterization and applications 16.07.2016
- 7. Dr.Kajal Ghosal, Assistant Professor, Dr. B C Roy



- College of Pharmacy and AHS, Durgapur, India (currently affiliated to CEITEC,MU, Czech Republic)Electrospinning: Can polymeric films be plasticized without Plasticizers".14.07.2016
- 8. Prof. Dr. Dinesh Kumar Kotnees, Patna"Preferentially fixing nanoclays in the phases of incompatible polymer blend using thermodynamic approach and its effect on physico mechanical properties" 08.07.2016
- 9. Dr Nishar Hameed, Swinburne University of Technology, Australia" Carbon Fibre the Material of the Future". 18.06.2016
- Dr. Sami Hage-Ali ,Associate professor with the micro- nanosystems group (MNS) at Institute Jean Lamour, France Applications of silicone based elastomers to flexible radio frequency devices and sensors 18.06.2016
- 11. Dr.Rosana Maria Assuncao Birth, Institute of the Federal University of Uberlandia, BrazilPhysico chemical properties of starch NR-blends10.06.2016
- 12. Dr. Daniel Pasquini, Institute of the Federal University of Uberlandia, Brazil Nan crystals from stanch and cellulose on 08.06.2016
- 13. Prof. Dr. Zakiah Ahmad(Director,Institute for Infrastructure Engineering and Sustainable Management,Mara) from MalaysiaNew frontiers of material science in civil engineering 31.05.20116
- 14. Prof. Dr. JosesphArul of the University of Laval, Canada Preservation fresh fruits and vegetables01.04.2016
- 15. Prof. Nathalle Gontard (Professor, INRA Research Director,Food & Packaging Scientist) from France,Next generation of packaging to increase full system sustainability.28.03.2016
- 16. Prof. Florian Mormann, MD, PhD,Department of Epileptology, University of Bonn, Germany"The Building Blocks of Memory-The Marilyn Monroe Neuron"19.02.2016



- 17. Prof. Dr. Joanna Ewa Izdebska Warsaw University of Technology, Poland Printing On Polymers08.02.2016
- 18. Prof Francis Lewu, South AfricaCrop and medicinal species conservation, production and utilization20.01.2016
- 19. Dr. Aji.P.Mathew, Professor, Luleå University of Technology, SE 97187, Luleå, Sweden, Nanocellulose Research 12.01.2016
- 20. Dr Apala Majumdar, Associate, Professor (Reader) and EPSRC Career Acceleration Fellow,, United Kingdom, Problems in nonlinear elasticity, colloidal systems and nanoparticles systems. 08.12.2015
- 21. Dr. K.I. Suresh, Polymers & Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Hyderabad) on the topic"The Emulsion Polymerization: The Green Approach to Functional Polymers"01.12.2015
- 22. Dr. Venkata Gopal Reddy Chada Chief Manager-Technology), Asian Paints, Paints and Colours 14.09.2015
- 23. Dr. Gregor Filipič from Slovenia ,Plasma for controllable surface modifications and nanosynthesis,24.08.2015
- 24. Dr. Vinayan B P, Helmholtz Institute Ulm, Karlsruhe Institute of Technology, Germany Development of suitable electrolyte for metal sulfur battery, fabrication of high capacity and long cyclic stability sulfur electrode materials and different electrochemical phenomenon within this system.09 .07.2015
- 25. Dr. Jacob John, Impact of Globalization on National and Internationals Affairs. 22.06.2015
- 26. Prof .Vijaya Mohanan Pillai Director, CSIR-CECRI, Central Electrochemical Research Institute, Karaikudi-630003, Tamil Nadu, India, Nanomaterials for Energy Applications 30.04.2015
- 27. Dr. Praveen G. L (University of Kerala) on the topic "Nanocomposites for Biomedical



- Applications"29.04.2015
- 28. Volker Ribitsch (University of Graz. Austria) 21.04.2015
- 29. Mohamed Mehdi CHEHIMI Research Director at French CNRS,Leader of the Surface & Interface research team,Université Paris, France 06.03.2015
- 30. Dr. Maciej Jaroszewski(Head of High Voltage Laboratory, Wroclaw University of Technology, Poland), Impedence Spectroscopy 30.01.2015
- 31. Prof. Suryasarathi Bose, (IISC, Bangalore) 26.01.2015
- 32. Prof. Benjamin S Hsiao (Department of Chemistry, Stoney Brook University, New York)"Breakthrough Water Purification Technologies based on Nanofibrous Membranes"20.01.2015
- 33. "Prof. (emerit.) Dr. Werner Mormann, Universität Siegen" Ionic liquids and cellulose a perfect green combination11.12.2014
- 34. AASHISH ROY(Postdoctoral Fellow, Department of Materials EngineeringIndian Institute of Science)
 Conducting polymers for Sensor applications19.11.2014
- 35. Prof. Renata Dantas, University of Campinas, Sao Paulo, Brazil"Ozonation for water and waste water purification"1.10.2014
- 36. Prof. P.M.G.Nambissan, Saha Institute of Nuclear Physics Kolkata" The Indian legacy of the evolution of science"17.09.2014
- 37. Dr.Rajesh A. Shenoi, University of British Columbia, Vancouver BC, Canada"Designing multifunctional dendritic polymers for macromolecular therapeutics"22.08.2014
- 38. Dr. Suresh.S. Pillai of Environmental Nanotechnology Division, Institute of Technology, Sligo, Ireland,"Nano materials for Environmental Application"13.08.2014
- 39. Dr.T.Sidhu, University of Ontario Institute of



- Technology, Canada, Research Opportunities at University of Ontario Institute of Technology, Canada"31.07.2014
- 40. Dr. Ali Kareem al-lami, Misan University, Iraq "Preparation and Mesomorphic characterization of supramolecular hydrogen bonding dimer liquid crystals"24.07.2014
- 41. Dr. Salim Albukhaty Transfection of NSCs Neural Stem Cells by BDNF gene using Nano Carrier System"22.07.2014
- 42. Dr.Bharath Rajaram –Application Scientist –TA USA Recent Trend in Rheological Characterization using Rheometer & DMA18.07.2014
- 43. Dr. Burkhard Fechner, Coherent GmbH on "Recent trends in Excimer lasers in PLD and Nano applications" 15.07.2014
- 44. Dr. Chaitanya Lekshmi Indira, Associate Professor, Department of Chemistry, CMR Institute of Technology, Bangalore,"Nanoscale Heterostructures: Material Design & Functional Property Understanding for Nanoelectronic Applications"20.06.2014
- 45. Dr. Maya Padivattathu Multiscale Material Modelling- Approach and Application07.04.2014
- 46. Dr. Abjith Saha, UGC- DAE Kolkata Centre27.03.2014
- 47. Prof. Tamio EndoMie University, Japan"Fabrication of La(Ba,Sr)MnO3/ZnO Heterostructures and Electrical Junction/Switching Characteristics"25.03.2014
- 48. Dr. A. V. Ravikumar, Indian Institute of Plasma Research "Applications of Accelerators" 14.03.2014
- 49. Dr. Chan Chin Han, University Technology MARA, Malasia"Natural Rubber based polymer blends: Thermal and Mechanical properties and morphologies."28.02.2014
- 50. Dr. Tamilselvan, Institute of Chemistry, Division of Surface and Interface Science, University of Graz,



- Austria, "Advanced polysaccarides Composites" 25.02.2014
- 51. Dr. Arup Chandra, Apollo Tyres 22.02.2014
- 52. Dr. Suresh. G. Adwani, Associate Director, Center for Composite Materials, University of Delaware, USA, Multi-scale Modeling and Simulation of Composite Manufacturing Processes"28.01.2014
- 53. G S Murthy (GM, Forevision Instruments, Hyderabad) Talk on AFM 21.01.2014
- 54. Mr. Shyam Panamoottil,,Centre for Advanced Composite Materials (CACM), Auckland, New Zealand"Multiscale modelling to predict the failure behaviour of flax-fibre composites from fibre, matrix and interface properties"27.12.2013
- 55. Dr.Nguyen Van Son "Dispersion of nanoparticles in solution"01.08.2013
- 56. A K Sinh, Anton Paar, India "Rheology and its applications" 25.06.2013
- 57. Prof. (Dr) C M. Narayan, Professor of Chemical Engineering, National Institute of Technology, Durgapur, India "Biodiesel Synthesis from Micro-Algae oil" 22.06.2013
- 58. Dr. Shams Khwaja, Adjunct Professor of Law, Constituitional Law Lab, USA" Discovering a Road Map for Nanotechnology law and Regulation for India"20.06.2013
- 59. Dr. Ramesh,"NMR of Carbon Skeleton"17.06.2013
- 60. Dr. Achutha Prabhu "Irreversible aggregation of patchy colloidal particles: A computer simulation study" 19.06.2013
- 61. Dr. Rajan Babu The Ohio State University U S A)"Asymmetric Catalyzed Reactions of Alkenes and Small Ring Compounds"18.05.2013
- 62. Dr. Aji P Mathew, Division of wood and Bionanocomposites, Lulea university, Sweden Bionanocomposites 06.07.2012



IUIC	1.	National Workshop on Frontiers of Spectroscopy and Microscopy-2012
	2.	National Workshop on Mass Spectrometry-2013
	3.	National Workshop on Mass Spectrometry and Raman Microscopy,NWMR-2015
IUCSSM	1.	International ensemble on science of Music was organized during 23-27 September 2015 at Kottayam
	2.	Arranged an invited talk by G.S. Paul on the topic"Mathematical analysis of Swaras in Octave" on 30-03-2016
AMMRC	1.	National workshop on Fundamentals and applications of Material Science in collaboration with KSCSTE, Trivandrum in March 2016
СНРС	1.	Conducted Computer Training Programme in Linux to teaching and nonteaching staff of the University. The training includes, Ubuntu OS, Writer, Calc and Internet.
	2.	13 batches with 30 participants each were provided training in computers.
IIRBS	1.	Workshop on Maingroup and Organometallic Chemistry on October 24 – 26,2016
	2.	One day International Symposium on Concurrent methodologies in Organic Synthesis - in honour of Prof. Ei-ichi Negishi(2010 Chemistry Nobel Laureate, Purdue University, USA) on 13th February 2016
	3.	National Workshop on "NMR Spectroscopy", 10th - 13th September 2014.
	4.	Lecture series on "Liquid Chromatography", 9th - 18th December 2013.
	5.	Workshop on High Performance Liquid Chromatography (HPLC), 4th & 5th November 2013.
	6.	Lecture on "High Performance Liquid chromatography (HPLC),4th - 12th November 2013.
	7.	Workshop on High Performance Liquid Chromatography (HPLC), 30th April – 2nd May



2013.

- 8. Workshop on "Nuclear Magnetic Resonance: Theory and Application", 24th 26th January 2013.
- 9. Lecture on "Boron based organic chemistry",7th 19th January 2013.
- 10. Lecture on "Boron and Gadolinium Neutron Capture Therapy for cancer treatment",16th-17th December 2012.
- 11. Lecture on "Organometalic and Bio-inorganic Chemistry", 10th-14th December 2012
- 12. Lecture on "Structural Topology Optimization with applications in structural engineering and biomechanics",12th December 2012.
- 13. Symposium on "Thoughts on Traditional and Genome based Human History" 6th November, 2012.
- 14. Advanced Materials Characterization Techniques, May 21st 25th,2012
- 15. Seminar on Research and Development in Chemical Process Development, 22nd Sept.,2012
- 16. Application of Magnetic Resonance Spectroscopy in scientific research.,10th Sept.2012
- 17. Seminar on Metal Mediated Organic Synthesis, 4th Sept.2012
- 18. Patenting research findings, 10th August., 2012
- 19. Seminar A review on Renewable Energy Technologies, 17th July., 2012
- 20. Talk Organic Chemistry and Pharmaceutical Industry, 24th April, 2012
- 21. Seminar on Application of two dimensional NMR in the structural elucidation of biomolecule
- 22. Summer Workshop on Computational chemistry, May 28th 31st, 2012
- 23. Workshop on Advanced Materials Characterization Techniques, 21st 25th May, 2012



- 24. Science Academies' Lecture Workshop on Quantum Mechanics, Molecular- Resonance Spectroscopy and Hands-on Experience in Spectroscopy, March 1 3, 2012
- 25. English Language Skill Workshop, December 22 23, 2011
- 26. Seminar on Genetic Structure of Indian Jewish Diaspora, October 27 28, 2011

3.1.6 How does the university facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the university?

Erudite Programmes sponsored by Government of Kerala have been a main mode by which the University was able to attaract a large number of Nobel laureates and other eminent academics to the University which has resulted in large number of collaborative research in the field of Nanoscience & Nanotechnology, Environmental Sciences, Chemistry, Physics, Biosciences, International Relations and Poltics etc. Their visit to the university and intractions with the students, reaserch scholars and faculty have tremendously enriched their research potential.



Details of Nobel Laureates who have visited the University:

Sl. No	Particulars of the Scholar	Programme Dates
1.	P. Roger Y Tsein Nobel Laureate, University of California, USA	4 th -6 th January 2010
2.	Prof. Ferid Murad Nobel Laureate University of Texas, Health Science Centre at Houston, USA	Sep. 6-9, 2010
3.	Prof. Robert Huber Nobel Laureate, Max- Plank Institute of Biochemistry, Munich, Germany	Oct. 18-23, 2010
4.	Prof. John Deisen Hofer Nobel Laureate, University of Texas South Western Medical Centre, USA	Dec. 5-10, 2010
5.	Prof. Harold Kroto Nobel Laureate, Florida State University, Tallahassee Florida, USA	Jan. 3-18. 2011
6.	Prof. Anthony J Legget, University of Illinois , Urbana-Champaiga,USA	Jan. 26-Feb. 1, 2011
7.	Prof.Ei-ichi Negishi Nobel Laureate,Purdue University,USA	Feb. 13.2016

Details of Other Erudite Scholars:

Sl. No	Particulars of the Scholar	Programme Dates
1	Prof. Michael R Hoffman California Institute of Technology, Pasadena, USA	Feb. 8-22, 2010
2	Prof. U.R. Anantha Moorthy Former Vice Chancellor, M.G. University.	Feb. 15-Mar. 14, 2010
3	Prof.(Dr.) C. N. R Rao	Apr. 26-28, 2010

Mahatma Gandhi University

	Jawaharlal NehruCentre for Scientific Research, Bangalore	
4	Prof. Gayathri Chakraborthy Spivak Columbia University, USA	Mar. 31-Apr. 6, 2010
5	Prof. M. S. Valiathan Former Vice Chancellor, Manipal Academy of Higher Education, Manipal, Karnataka	Aug. 15-29, 2010
6	Prof. Prasad Polavarappu Department of Chemistry, Vanderbilt University, Nashville, USA	Nov. 21-Dec. 1, 2010
7	Prof. Rene Mullar Louis Pasteur University, Strasbourg, France	Oct. 24-Nov. 1, 2010
8	Sri. Kumar Sahini Film Director	Oct. 31-Nov. 10, 2010
9	Dr.Henry B Kagan Institute de Chimie Moleculaire et des Materiaux d' Orsay, Universite, Paris-Sud,France	Aug. 15-24, 2010
10	Prof. J. Belloni University of Parris, France	Sep. 18-Oct. 2, 2010
11	Dr. Ashish Mahabal Senior Scientist, California Institute of Technology, USA	Jan. 1-Feb. 3, 2011
12	Prof. Wongyoung Choi Pohang University of Science and Technology, Korea	Feb. 5-12, 2011
13	Prof. (Dr.) Mark. R. Wiesner Centre for Environmental Implications of Nano Technology (CEINT) Duke University, USA	Feb. 19-26, 2011



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14	Prof. (Dr.) Tiaha Joo	Feb. 12-19, 2011
	Department of Chemistry,	
	Pohang University of Science and	
	Technology, Korea	
15	Prof. (Dr.) Yves Grohans	Mar. 4-12, 2011
	LIMATB (Material Engineering) Laboratory Centre de Recherche,	
	rute St Maude Universite de Bretagne Sud, Lorient 56100, France	
16	Prof. Uros Cvelber	Mar. 16-22, 2011
	Jozef Stefan Institute,	
	Ljublijana, Slovenia (EU)	
17	Prof. Jurgen Piontek	Mar. 7-15, 2011
	Leibniz Institute of Polymer Research	
	Department Polymer Reactions and Blends Hohe Str.6	
	01069 DRESDEN	
	Germany	
18	Prof. Miran Mozetic	Feb. 21-25, 2011
	Head of Department of Surface Engineering, Jozef Stefan Institute, Jamova cesta 39	
	1000 Ljublijana, Slovenia	
19	Prof. Jia Haitao	Dec. 1, 2010-Jan.31,
17	Jinan University, China	2011
20	•	N 1 4 2011
20	Dr. B. V. R. Tata	Mar. 1-4, 2011
	Light Scattering Studies Section, Condensed Matter Physics Division, Material Science Group	
	Indira Gandhi Centre for Atomic Research, Kalpakkam- 603102, India	
21	Prof. Raghavendra Gandagkar	Dec. 31, 2010-Jan. 7,
	Centre for Ecological Sciences,	2011
	Indian Institute of Science, Bangalore	
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22	Prof. May Britt Hagg	Apr. 3-9, 2011
	Norweigian University of Science and Technology, NTNU,	
	Department of Chemical Engineering, Head of Memfo R&D Group	
23	Prof. Andrea Schafer	Oct. 19-28, 2011
	Chair of Environmental Engineering School of Engineering Institute for Infrastructure and Environment, University of Edinburgh	
	William Rankine Building,	
	The King's Buildings	
	Edinburgh EH9 3JL, United Kingdom	
24	Prof. Yozhizumi Kajii	Nov. 6-14, 2011
	Tokyo Metropolitan University, Japan	
25	Prof. Mechmet A Oturan	Feb. 13-18, 2012
	Head, Laboratory of Earth and Environmental Science Marne la-Vallee Paris East University, France	
26	Prof Kristopher Mc Neil	Jan. 16-21, 2011
	Institute of Biogeochemistry and Pollutant Dynamics, Swiss Federal Institute of Technology (ETH),	
	Zurich, Switzerland	
27	Dr. Madjid Mohseni	Feb. 5-11, 2012
	Scientific Director, RES'EUA Water NET Strategic Network,	
	University of Columbia, Cananda	
28	•	Apr. 16-23, 2011
20	Prof. R. Ramraj Director	Apr. 16-23, 2011
	Centre for Photoelectrochemistry,	
	School of Chemistry,	
	Madurai Kamaraj University	
29	Dr. Suresh .S. Narine	Jan. 8-18, 2012
	Trent University, Canada	,
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30	Prof. (Dr.) Santiago Esplugas	Apr. 9-14, 2012
	Director,	
	CEQAP,	
	Chemical Engineering Department,	
	University of Barcelona, Spain	
31	Prof. Uday Shankar, Phillips Health Care,	September 25 th 2015- to 27 th 2015.
32	Dr. Pushpito Ghosh	Jul. 7-Aug. 3, 2012
	Director,	
	Central Salt & Marine Chemicals, Research Institute (CSIR), Gijubhai, Badheka Marg,	
	Bhavanagar-364002, Gujarat	
33	Prof. Detlef Bahnemann	Oct. 5-10, 2012
	Institut fuer Technische Chemie Leibniz	
	Universitat Hannover, Callinstrasse 3,D-30167, Hannover	
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34	Prof.AjayK.Sood	July 21-22, 2011
	Department of Physics	
	IISC, Bangalore-560012,India	
35	Dr.Rameshwar Adhikari	August 9-18, 2011
	Central department of Chemistry,	
	Tribhuvan University, Kathmandu, Nepal	
36	Dr.Vijayamohanan K Pillai	September 19-22, 2011
	Central Electrochemical Research Institute, Karaikudi-630006, Tamil Nadu	
37	Dr.Baldev Raj	October 28, 2011
	Indira Gandhi Centre for Atomic Research Kalpakkam 603102, Tamil Nadu, India	
38	Dr.Dominique Durand	November 2-13, 2011
	Polymers, Colloids, Interfaces	
	UMR CNRS- University of Marine 6120,	
	France	
39	Prof.(Dr.) C.N. R Rao	January 13-14,2012
	Indian Institute of Sciences	

	Bangalore-560012,India	
40		January 19 27 2012
40	Prof.SreckoValic Ruder Boskovic Institute	January 18-27,2012
	Bijenickacesta 54	
	HR-10000 Zagreb Croatia	
41	Prof.Abderrahim Boudenne	January27-Feb 4, 2012
	Universite Paris –Est Creteil, CERTES, France	
42	Prof. Manfred Stamm	February13-21, 2012
	Leibniz Institute of Polymer Research	
	Dresden 01069 Dresden, Germany	
43	Prof. B.A. Wolf	Feb 27-March 11,2012
	Institute of Physical Chemistry, Johannes	
	Gutenberg- University of Mainz, Welder Weg13, Germany	
4.4		G . 1 21 27 2012
44	Dr. Ashish K Lele	September21-27, 2012
	National Chemical laboratory, Pune 411008	
45	Prof. Suresh Valiyaveetil	October 15- 25, 2012
	Department of Chemistry	
	National University of Singapore	
	3 Science Drive 3	
	Singapore	
46	Prof. Christophe Sinturel	December 6-14, 2012
	Centre De Researchesur la MatiereDivisee UMR 6619 CNRS, France	
47	Meena Alexander, expatriate writer and	July, 2013
	Indian English poet	
48	Helen Dwyer, Irish poet	September, 2014
49	Prof.(Dr.) C.N. R. Rao	January 18-21, 2012
	Indian Institute of Sciences	
	Bangalore-560012,India	
50	Prof. Samuel Oluwatobi Oluwafemi	November 12 th 2015 –
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	Dept. of Applied Chemistry,	November 28 th 2015.	
	University of Johannesburg, Doornfontein Campus		
	P.O Box 17011, Doornfontein 2028		
51	Prof.JuergenPionteck Leibniz InstitutfürPolymerforschung,Dresden e.V. Abt. FunktionaleNanokomposite und Blends Hohe Str. 6 D-01069 Dresden		
52	Prof. James B Kinchen, University of Wisconsin-Parkside, USA	September 25 th 2015- to 27 th 2015.	
53	Prof. Dileep Karanath, University of Toledo, USA	September 25 th 2015- to 27 th 2015.	
54	Prof. Steven W Hook, Kent Sate University, USA	February- March 2013	
55	Prof. TV Paul, McGill University, Canada	30 December 2015-5 January 2016	
56	Ambassador R L Bhatia, MEA, GOI	Februay 2016.	

List of Visiting Professors/Adjunct Faculties:

1.	Meena Alexander, expatriate writer and Indian English poet, July, 2013
2.	Helen Dwyer, Irish poet, September, 2014
3.	Sri. Venu Rajamony IFS, senior diplomat in the Ministry of External Affairs, 27-28 February 2015
4.	Mr. Mani Shankar Aiyar, former Union Minister and Member of Rajya Sabha, 11 September 2013.
5.	Prof. Alain Berthod, Institute des Sciences Analytiques, Universite de Lyon – France
6.	Prof. Anil J Elias, (Dept.Of Chemistry - IIT Delhi) - Awarded " INSA teachers awards 2012 " by Indian National Science Academy for excellence in teaching science & inspiring students.
7.	Prof. Bakthan Singaram, Dept of Chemistry and Biochemistry - University of California, California

8.	Prof. H. B. Khagan, Universite Paris-Sud, Orsay, France
9.	Prof. Narayan S Hosmane, Dept. Of chemistry & Biochemistry - Northern IIIionis University, USA
10.	Prof. Vijay A. Singh, National Co-ordinator, Science Olympiads, Homi Bhabha Centre for Science Education, Mumbai
11.	Prof. K. K. Balasubramanian, Professor, IIT Madras
12.	Prof. I. N. N. Namboothiri, Professor, IIT Mumbai
13.	Prof. P. J. Sebastian, Senior Scientist, Energy Reasearch Centre-UNAM, Mexico
14.	Prof. M. S. Gopinathan, Professor, IISER, Trivandrum
15.	Prof. Prasad L Polvarappu, Professor of chemistry - Vanderbilt University, Nashville
16.	Dr. Thomas J Colacot, Research & Development Manager, Homogeneous catalysis - New Jersey, USA) awarded the RSC's Applied Catalysis Award – 2012
17.	Prof. Hassan Y. AboulEinen, National Research Centre, Cairo, Egypt1-2-2014
18.	Prof. S. Chandrasekharan, IISc, Bangalore
19.	Prof.Sankaran Subramanian, Rtd. Professor, IIT Madras
20.	Prof.Radha V. Jayaram, ICT, Mumbai
21.	Prof. Syed Akheel Ahmed, Dean, faculty of science and technology - University of Mysore, Mysore
22.	Prof. K. G. Suresh, Dept. of Physics - IIT Mumbai
23.	Prof. Renato Falcao Dantas, University of Campinas – UNICAMP, Brazil
24.	Dr. Despo Fatta Kassinos, Department of Civil and Environmental Engineering, Nireas International Water Research Centre, University of Cyprus, Nicosia-Cyprus
25.	Dr. Urška Lavrenčič Štangar, University of Nova Gorica, Nova Gorica, Slovenia
26.	Prof. Yoram Oran, Department of Desalination and Water Treatment, Zuckerberg Institute for Water Research, Blaustein Institutes for Desert research, Ben-Gurion University of the Negev, Israel



27.	Dr. S. Prabhakar, National Centre for Mass Spectrometry, CSIR-IICT, Hyderabad		
28.	Dr. Murali Chilakapati, Advanced Centre for Treatment, Research & Education in Cancer (ACTREC), Kharghar, Mumbai		
29.	Dr. M. Vairamani, SRM University, Tamil Nadu		
30.	Dr. R. Srinivas, National Centre for Mass Spectrometry, CSIR-IICT, Hyderabad		
31.	Prof. Athula Attygalle, Stevens Institute of Technology, USA		
32.	Dr.Marc J-F Suter, Eawag, Switzerland		
33.	Dr. Laurent Debrauwer, Universitè de Toulouse, France		
34.	Prof. Olivier Laprevote, Paris Descartes University, France		
35.	Prof. Gawel of Department of Physics, Rzeszow University of Technology, Poland, October 2015		
36.	Prof. Jia Haitao, Director, Institute for Chindian Studies, Jinan University, China served Visiting Scholar at ICCS for 2 weeks during January 2016.		
37.	Dr. Srikanth, Peking University, China during November 2015		

3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

Financial	Research Projects (Rs in Lakhs)		Scholarships/ Fellowships (Rs in Lakhs)	
Year	Income	Expenditure	Income	Expenditure
2010-11	549.50	1339.24	332.90	143.21
2011-12	799.84	657.89	522.06	269.46
2012-13	468.71	810.59	298.46	413.38
2013-14	649.28	580.93	335.65	383.32
2014-15	468.64	638.48	97.78	106.52
2015-16	482.37	224.16	54.01	89.21

3.1.8 In its budget, does the university earmark funds for promoting research in its affiliated colleges? If yes, provide details.

There is no provision for funds being allocated to affiliated colleges for research in the University budget. However, the University Library has established its Centres in different colleges under its jurisdiction through



which all online journals are available for reference. In addition, all the research facilities in the Statutory Departments and the Inter University/Inter School Centres are available for the smooth research activity of all affiliated research Centres. In addition, collaborative research work among University Statutory departments and the Inter University/Inter School Centres are also promoted in which the guides from affiliated centres and faculty from statutory Departments are the co-guides so as to enable students to have access to facilities in the University Campus.Proposals for joint research projects between University Schools/Centres and affiliated collegesare submitted to funding agencies.

3.1.9 Does the university encourage research by awarding Post Doctoral Fellowships/Research Associateships? If yes, provide details like number of students registered, funding by the university and other sources.

Yes

Post Doctoral Fellowships from University Post-Doctoral Fellowship and other funding agencies:

Sl. No	Name of fellow	Funding Agency & Name of Fellowship	Beneficiary Department	
1.	Dr. Ameer Hassan	UGC- Dr. S. Radhakrishnan Post-Doctoral Fellowship. In Humanities and Social Sciences including Languages	School of Behavioural Sciences	
2.	Dr. Aju.K.Asok	Post-Doctoral Fellowship offered by Kerala State Council on Science Technology and Environment, Thiruvanathapur am, Kerala	School of	
3.	Dr. Amith	Post-Doctoral Fellowship offered by Kerala State Council on Science Technology and Environment, Thiruvanathapur am, Kerala	Biosciences	
4.	Dr.Sharrel Rebello	Post-Doctoral fellowship From DST,SERB		
5.	Dr Bindu Panampalli	DST Fast Track Young Scientist Fellowship	School of Chemical	
6.	Dr. Sooraj MP	University Post-Doctoral Fellowship	Sciences	



7.	Dr. Proshenjith Saha		
8.	Dr. S. Manna	UGC Dr. D.S. Kothari Post-	
9.	Dr. Sravanthi L.	Doctoral Fellowship	
10.	Dr. Asha Krishnan		
11.	Dr. Dhanya .K.R	University Post-Doctoral Fellowship	
12.	Dr. Jiya Jose		
13.	Dr.Renji R.Reghu		International & Inter
14.	Dr. Praveen. G		University Centre for
15.	Dr. Obey Koshy		Nano Science and Nano Technology
16.	Dr. Aparna Thankappan		Truno Teennology
17.	Dr. Angulekshmi N	UGC Dr. D.S. Kothari Post-	
18.	Dr. Kajal Ghosh	Doctoral Fellowship	
19.	Dr. Jayalakshmi		
20.	Dr. Hanna J Maria		
21.	Dr. Sreekanth V		
22.	Dr. Giable George		
23.	Dr. Mahesh V		
24.	Dr. Smitha Shashi		
25.	Dr. Sanal P S	Post-Doctoral fellowship From DST,SERB	
26.	Dr. Ajithkumar M P	Post-Doctoral Fellowship offered by Kerala State Council on Science Technology and Environment, Thiruvanathapur am, Kerala	
27.	Dr. Ranjini Radhakrishnan	UGC Dr.D.S. Kothari Post-	School of Pure and
28.	Dr. Anoop Chandran	Doctoral Fellowship	Applied Physics
29.	Dr.Gejo		
30.	Dr. Nisha Velappan Nair	UGC- Dr. S. Radhakrishnan Post-Doctoral Fellowship. In Humanities and Social Sciences including Languages	School of Gandhian Thought and Development Studies



31.	Dr. Anju Lis Kurian	UGC Post-Doctoral Fellowship	School of International Relations and Politics
32.	Dr. Alex Mathew	Post-Doctoral Fellowship from ICHR	School of Social Sciences
33.	Dr. Harsha HT	UGC- Post-Doctoral Fellowship	ACESSD
34.	Dr. Baburaj	Post-Doctoral fellowship From DST-PURSE	
35.	Dr. Krishnaraj K.U	Post-Doctoral fellowship From DST-PURSE	IUIC
36.	Dr. Jinu John	Post-Doctoral fellowship From DST-PURSE	

3.1.10 What percentage of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?

Sabbatical Leave

Sl. No	Name	School/Centre	Period
1	Dr Razeena Padmam	Behavioural Sciences	20.08.2012- 31.07.2013
2	Dr M S John	Gandhian Thoughts and Developmental Studies	11.02.2013- 10.02.2014
3	Dr. K. Sreeranganadhan	Management and Business studies	20.08.2012- 31.07.2013

Research Awards

Sl.No	Name	School/Centre	Period	From
1	Dr Saji Mathew	School of Letters	2 years	22.01.2014
2	Dr. Aju K N	School of Letters	3 Years	01-03-2012
3	Dr. Raju Francis	School of Chemical Sciences	2 years	15.02.2012



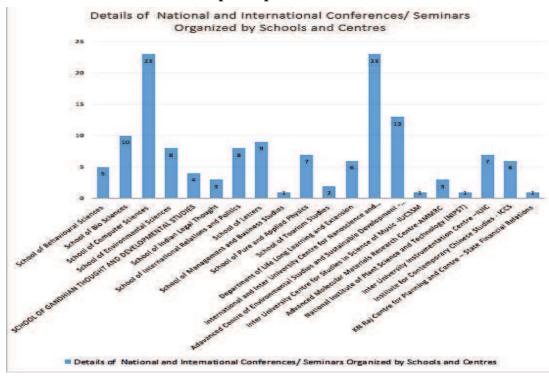
Post Doctoral Fellowship

Sl.No	Name	School/Ce	entre		Period	From
1	Dr. Anas	School Sciences	of	Chemical	2 years	01.04.2011

Arctic Expedition

Sl.No	Name	School/Centre	Period
1		School of Environmental	29.07.2013 to 08.09.2013
	Mohan	Sciences	20.06.2015 to 28.07.2015
			29.09.2016 to 31.10.2016

3.1.11 Provide details of national and international conferences organized by the university highlighting the names of eminent scientists/scholars who participated in these events.



Sl. No	Seminar/Conferences	Funding agency	Outstanding Participants
	ol of Behavioural Sciences		
1.	International Conference on Research Methodology and Scientific Writing. 20- 22, December, 2013. (Convenor – Mr. Rajesh)	Confederation of Epidemiological Associations	Dr. Indrajith Banerjee Dr. Padam Simkada Dr. Brijesh Sathian Dr Gamini Premadasa Dr Nishida Chandrasekharan
2.	National Conference on Models of Best Practice in Empowerment of Persons with Disabilities. 16-17, October 2015. (Convenor – Dr. P. T. Baburaj)	National Institute for the Empowerment of Persons with Multiple Disabilities, Chennai.	Dr. Himanshu Das Dr. Rajesh Ramachandran Dr. Jayaraj N. Dr. Neeraja Dr. Dr. K. Balabhaskar
3.	National Seminar on Management of Learning Disabilities. 22.03.2011. (Convenor – Mr. Rajesh E.)	M G University	Dr. Sany Varghese Dr. V. V. Joseph
4.	Seminar on National Trust Act, 1999 and Legal Guardian ship for the parents of individuals with Autism Cerebral palsy mental retardation and multiple disabilities, 15.12.2014(Convener Dr. P. S. Sukumaran)	M G University	Sri.Ajithkumar,IAS Sri.Sureshkumar Sri.PB.George Sri.Mohandas
5.	National Conference on Models of Best Practice in Empowerment of Persons with Disabilities. !6-17, October 2015. (Convenor – Dr. P. T. Baburaj)	National Institute for the Empowerment of Persons with Multiple Disabilities, Chennai.	Dr. Himanshu Das Dr. Rajesh Ramachandran Dr. Jayaraj N. Dr. Neeraja Dr. Dr. K. Balabhaskar
6.	One day Seminar on "Inclusion Matters: Access and Empowerment of People with all Disabilities". 03.12.2015 (IUCDS). (Convenor – Dr. P. T. Baburaj)	M G University	Mr. Anish Mohan Mr. Mathew Kanamala



		School of Bio Sciences	
7.	Two day seminar on "Prevention & management of lifestyle diseases" jointly organized with School of Biosciences & Department of student services (DSS) of M.G.University on 17 th & 18 th March, 2016	DSS –M.G University	Dr Thomas Varghese Oncology Surgeon, Lakeshore Hospital Dr Vidhyadharan DMO, Kottayam Medical College
8.	One day seminar "Cyber Space & Social Responsibility" jointly organized with School of Biosciences & PTA School of Biosciences on 28 th December 2015	PTA School of Biosciences	Sri Ajith. DYSP, Kottayam Dr Sunil Cyber Forensic Lab Thiruvananthapuram
9.	Seminar on "Social Responsibility in Animal Birth Control" jointly organized with School of Biosciences &Indian Veterinary Association- Kerala in connection with World Spay Day on 18th February 2016	M.G.University	Dr K J Kishore Kumar Vet. Surgeon, Animal Birth Control Division Vet. Public Health Centre, Cochin
10.	Seminar on recent trends in medical molecular biology 03/07/2015.	M.G University	Dr.Uma Shankar and Dr.Keith Davis. Department of Anatomy and cell biology. Indiana University School of medicine
11.	Seminar on Recent Trends in Medical Molecular Biology 03/07/2015 Delivered Talk By Uma Shankar and Dr.Keith	M.G University	
12.	State level seminar on "Stem Cell Therapy and Cancer" jointly organized by Post Graduate Department of Biotechnology SASSNDP YOGAM College Konni and School of Biosciences M.G University on 14th February 2014.CO- CONVENOR	M.G University	

/ [™] Mahatma Gandhi University

	Dr.Keerthi.T.R		
13.	Institutional level two day seminar on "Prevention & management of lifestyle diseases" jointly organized with School of Biosciences & Department of student services (DSS) of M.G.University on 17 th & 18 th March, 2016.Convenor-Dr.M.S.Latha	M.G University	
14.	Seminar on "Cyber Space & Social Responsibility" jointly organized with School of Biosciences & PTA School of Biosciences on 28 th December 2015	M.G University	
15.	Seminar on "Social responsibility in animal birth control" jointly organized with School of Biosciences &Indian Veterinary Association- Kerala in connection with World Spay Day on18th February 2016	M.G University	
	Sch	ool of Computer Sciences	
16.	National Conference on "Computing and Communication" (NCCC 2011) May 26-27, 2011	M.G.University	Prof. (Dr.) S.K. Sinha, CEDT, Indian Institute of Science, Bangalore Prof. (Dr.) Paulose Jacob, , Cochin university of Science and Technology, Kerala
17.	Computing Paradigms and Bio-informatics (CPBI 2012) January, 2012	M.G.University	Mr. Mahesh C., FISAT, Angamaly. Prof. (Dr.) Achuth Sankar S. Nair, University of Kerala
18.	National E-conference organized by Amal Jyothi College of Engineering and Technology from 28.01.2016to 30.01.2016.	KSCSTE in association with ISTE Kerala Section	Dr.Mukta Atrey,IIT Mumbai
19.	National Seminar on Computing and Communication at School of Computer Sciences, December 2013	M.G.University	Dr. K.P. Soman, , Amrita Vishwa Vidyapeetham, Coimbatore Sri. Krishnan Chittoor, S/W Developer, Microsoft India

20.	Seminar on "Systems Programming" on 21.07.2014.	M.G.University	Dr Manjaiah, Professor, Dept. Of Studies and Research in Computer Science, Mangalore University
21.	"Steps 2 Research" at School of Computer Sciences during 19 th -20 th Sept 2014.	M.G.University	Prof Dr.Sabu Thomas,Director, IIUCNN,M.G.University
22.	International Seminar on "Talking Like Humans" on 6 th December, 2014.	M.G.University	Christy Alias, Ph.D Scholar, Trinity College, Dublin, Ireland
23.	Seminar on "Image Processing Technologies for Defence Applications" by on 4.12.2015.	M.G.University	Dr. Lekshmi S, Scientist , National Physical and Oceanographic Laboratory (NPOL)
24.	Seminar on "Cyber Crimes", Mr. E.S. Bijumon, DYSP, Cyber Cell, Trivandrum, December 17, 2010.		
25.	The national level seminar by Ms. Easwari PV, Senior consultant, Siemens Information Systems Limited, Bangalore, Dr. Achuth Sankar S Nair, Hon. Director, Centre for Bio-Informatics, Dr. K S M Panicker, Dean, FISAT in December 2011.		
26.	Seminar on "Best Programming Practices", January 20, 2011.	M.G.University	Dr. Ashish Mahabal, California Institute of Technology (Caltech) USA
27.	National Conference on "Computing and Communication (NCCC 2011)", School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, May 26-27, 2011.	M.G.University	Prof. (Dr.) S.K. Sinha, CEDT, Indian Institute of Science, Bangalore. Prof. (Dr.) Achuth Sankar S. Nair, University of Kerala.
28.	The national level seminar - December 2011.	M.G.University	Ms. Easwari PV, Information Systems Limited, Bangalore,

			D. Achuth Sankar S Nair, FISAT
29.	Conference on "Computing Paradigms and Bio-informatics" (CPBI 2012), January, 2012.	M.G.University	Prof. (Dr.) Achuth Sankar S. Nair, University of Kerala. Mahesh C., FISAT, Angamaly. Dr. Radhakrishnan E K, Mahatma Gandhi University.
30.	Seminar on "Computational Intelligence, Robotics and Autonomous Systems", January 3rd, 2012.	M.G.University	Dr. Prahlad Vadakkeppat, National University of Singapore
31.	Seminar on "Research Topics for M Tech Dissertation" at School of Computer Sciences by Dr Madhu S Nair, Asst.Professor, Dept. of Computer Science, University of Kerala on 18.09.2014.	M.G.University	
32.	National level technical talk on "NP Complete Problems and High Performance Computing" as part of Interface2012 in Dec, 2012.	M.G.University	Mr. Mahesh, FISAT, Cochin.
33.	The National E-seminar "Steps2Research" at School of Computer Sciences (nodal centre) during 19-20 Sept 2014.	M.G.University	Prof.Dr.D.B. Phatak,IIT Bombay Prof.Dr. Kannan Moudgalya,IIT Bombay Mr.Vijayaraghavan(Former CEO Techno Park ,Member- State Planning Board Kerala Dr.Sahana Murthy, IIT Bombay
34.	International Seminar on "Talking Like Humans" 6 th December 2014.	M.G.University	Christy Alias, Ph.D Scholar, Trinity College, Dublin, Ireland.

35.	Seminar on "Image Processing Technologies for Defence Applications" on 4.12.2015.	M.G.University	Dr. Lekshmi S, Scientist , NPOL
36.	Seminar on "Research Topics for M Tech Dissertation" at School of Computer Sciences by Dr Madhu S Nair, Asst.Professor, Dept. of Computer Science, University of Kerala on 18.09.2014.	M.G.University	
37.	National Conference on Research in Emerging Areas (NACORE 2016), a National e-conference during 28.01.2016to 30.01.2016.	M.G.University	
38.	Seminar on "Remoteness Function on Median Graphs", 2nd Dec 2016, by Dr. Ajitha R. S., Post Doctoral Fellow, University of Kerala.	M.G.University	
Schoo	ol of Environmental Sciences		
39.	LAKE-2012, National Conference on Conservation and Management of Wetland Ecosystems conducted at School of Environmental Sciences, MG University, Kottayam during November 6-8, 2012.	DST, KSCSTE, MG University, Kerala state Biodiversity Board	Dr.T.V.Ramachandra, Indian Institute of Science, Bangalore; Dr. Subash Chandran, Indian Institute of Science, Bangalore; Dr Ligi Philip, Indian Institute of Technology,Madras, Dr.V.N.Rajasekaran Pillai, Executive Vice-President, KSCSTE, Thiruvananthapuram
40.	International conference on Advanced Oxidation Processes (AOP2012) Oct.5-8, 2012, Kottayam	BRNS, KSCSTE, DRDO, ISRO	Adriana Zaleska, Gdansk University of Technology, Poland Bahneman Detlef, Gottfried Wilhelm Leibniz Universitaet Hannover, GERMANYChantal Houee



			Levin, LCP, Orsay Cedex
			Choi Wonyong, Pohang University of Science and Technology (POSTECH), South Korea Christophe Colbeau- Justin, Université Paris- Sud, France
41.	National Seminar on Sustainable Development, conducted at School of Environmental Sciences, MG University, Kottayam 2012.	MG University	Dr.T.V.Ramachandra, Indian Institute of Science, Bangalore Dr. Shibu K. Mani , Tata Institute of Social Science , Mumbai Dr. Sulthan AhmedIsmail , EcoScience, Chennai
42.	National Conference on Heavy Metals in the Environment' November 28-29, 2013, School of Environmental Sciences, MGU.	DoECC, MG University	Dr. MNV Prasad, Hyderabad University Dr. Nandita Singh, NBGRI, Lucknow Dr. Dinesh Mohan, JNU Dr.V.Subramaniyan, JNU
43.	International Conference on Frontiers of Mass	BRNS, ISRO, DRDO, DST	R. Srinivas, National Centre for Mass
	Spectrometry- ICMS 2013 September 6-9, 2013		Spectrometry, Hyderabad, India Olivier Laprevote, Paris Descartes University, France S. K. Raza, Institute of Pesticide Formulation Technology, India Gopal Vaidyanathan, Waters India Pvt. Ltd., India Venkateswarlu Panchagnula, National Chemical Laboratory (CSIR – NCL), Pune



45.	International Conference on Advanced Oxidation Processes (AOP 2014), September 25-28, 2014 Munnar	DST, BRNS,DRDO, ISRO	Michael R. Hoffmann, California Institute of Technology, USA L. Gomathi Devi, Bangalore University, India Mehmet A. Oturan, Universite Paris-Est, Marne-la-Vallee, France Collin G. Joseph, Universiti Malaysia Sabah, Malaysia Anju Chadha, IIT, Madras, India
46.	International Conference on Frontiers of Mass spectrometry, December 11-14, 2015. Kottayam	DST	Marc J-F Suter, Eawag, Switzerland Michael W. Linscheid, Humboldt-Universitaet zu Berlin, Germany Athula Attygalle, Stevens Institute of Technology, USA Evgeny Nikolaev, Physics Russian Academy of Sciences, Russia Achille Cappiello, Università di Urbino, Italia Olivier Laprevote, Paris Descartes University, France
Schoo	ol of Gandhian Thought and	Developmental Studies	
47.	National Seminar on "Ageing Gracefully: A multi – Disciplinary Perspective" (2014)	ICSSR, New Delhi	Dr.Anand P Ambali, Professor of Medicine (Specialised in BLDE University, Vijayapur, Karnataka. Rev.Fr.Romance Antony, Executive Director, Society for Empowering Action, Kerala. Prof.John Kattakayam, Prof.Emeritus, Department of Sociology, University of Kerala.
48.	Two Day's National Seminar on "Understanding the Tribal Life in India: Issues,	ICHR	Dr.B.Eqbal, Former V.C, Kerala University.

	Challenges and Alternate Approaches" on 10 th and 11 th of October 2013		
49.	One Day National Conference on Yoga in association with the inauguration of the Centre for Yoga and Naturopathy on 12.01.2016.	MG university	Shri.Subodh Tiwary, Kaivalyadhama Institute of Yoga, Mumbai. Dr.Vinod Kool, New York University of Polytechnic Institute.
50.	Two days national seminar on relevance of Yoga in Modern life on 18.03.2016 & 19.03.2016.	MG university	Sri. Hira Ratan Manek, Dr. T.V.Padmanabhan,
Scho	ol of Indian Legal Thought		
51.	National Seminar on Rights of Children " held on 23 rd , 24 th and 25 th Feb 2012.	M.G.University	Prof.N.K.Jayakumar Vice Chancellor,National Law University,Kochi.
52.	National Seminar on Family as an Institution: Modern Realities and Trends in Law from 28 th to 2 nd March 2013.	M.G.University	Prof.Dr.Y.C.RamaSubbaya h, Pro. Vice Chancellor,Shro Acharaya Nagarjuna University,Gundur
53.	Two Day National Seminar on the topic of Farmers Right in the Liberalised Economy: Perspectives and Trends was conducted during 27 th and 28 th March 2015.	M.G.University	Justice C.N.Ramachandran Nair Retd. Judge High Court Kerala &Chairman Dam Safety Authority, India.
Scho	ol of International Relations	and Politics	
54.	International conference on The Rise of China: Policy Parameter and Prospects, 1-3 November 2012	M.G.University Institute of Chinese Studies, New Delhi.	His Excellency Sri. Niu Qingbao, ConsulGeneral, Consulate of China, Mumbai Prof. Alka Acharya, Director, Institute of Chinese Studies, New Delhi Prof. Madhu Bhalla, Delhi
			University
55.	International conference on The Arab World; March Towards Democracy, 4-5 February 2013	M.G.University Minstry of Exernal Affairs, GOI. Indian Council of World Affairs	Sri. Ranjan Mathai, Foreign Secretary of India, Consul General of Turkey in Mumbai. Mrs. Ceylan Ozen Erisen, Prof. Tim Niblock, University of Exeter, UK, Prof. Siddharth



		KSHEC, Trhiruvanathapuram.	Mallavarapu, South Asian University, Dr. El Sayed Mekkawi, Minufyia University, Egypt, Sri. Kim Jinwoog, Korea Research Institute for Military Affairs, Sri. John Cherian, Frontline.
56.	South Asian regional conference on Engaging South Asia: Challenges and Opportunities of New Diplomacy, 27-28 th March 2014	M.G.University KSHEC, Trhiruvanathapuram.	Ambassador K. P. Fabian Prof. V. Suryanarayan, former National Security Advisory Board Member
57.	Colloquium on Travails of Political Transition in Iraq and Egypt, 27 th June 2014	M.G.University	Prof Ninan Koshy, Prof AK Ramakrishnan, JNU
58.	National seminar on Understanding China, 27- 28 February 2015	M.G.University	Mr. Venu R. senior diplomat in the Ministry of External Affairs and currently Press Secretary to the President of India, Prof. Madhu Bhalla (Delhi University), Sri. Murali Nair (former Consul of India, China)
59.	Conference on Engaging Diaspora: Challenges and Opportunities, 23-24 March 2015	M.G.University KSHEC, Trhiruvanathapuram.	Ambassador Ishrat Aziz, Ambassador R. Dayakar, Dr. Mao Yue, Director, South Asia Research Centre for China, Mr. Velupillai Kuhanendran, Director, Global Tamil Forum
60.	International seminar on Understanding Contemporary India, 14-15 January, 2016-08-12	M.G.University	Dr. T.V. Paul, Professor of International Relations, McGill University, Canada, Dr. Imtiaz Ahmed, Executive Director, Regional Centre for Strategic Studies, Sri Lanka, Dr. Shibashis Chatterjee, Professor of IR, Jadavpur University
61.	National conference on Public Policy and Governance in India and China, 21-22 March 2016	M.G.University Chennai Center for China Studies.	D. S. Rajan, Distinguished Fellow of Chennai Centre for China Studies Prof. V. Suryanarayan, former Member, National Security Advisory Board, Govt of India

Scho	ol of Letters		
62.	One day seminar on "Vision and Experience" 29 March 2012	M.G.University	Shri Kumar Sahini National Award Winner for Direction
63.	Seminar on Computational Practices in association with Akshara, December, 2012	M.G.University	Prof. B.Iqbal Former Vice Chancellor,Kerala University
64.	Translator's Orientation Programme from 13 to 16 February 2013	MG University, CIIL Mysore	
65.	National Seminar on Indian Cinema: A Century in Perspective, 21-23 March 2013	M.G.University	Dr. Hariharan, eminent film maker and critic in Tamil Nadu
66.	National Seminar on Comparative Literature" from 2527 March 2014	M.G.University	Prof.N.V.Narayanan, Calicut University.
67.	Seminar on Publishing 12 January 2015	MG University, National Book Trust, New Delhi	
68.	National Seminar on "Re- Reading Padmarajan" in January 2016	M.G.University	Shri.Joshy Mathew,Former Kerala Sahithya Academy Vice President
69.	National Seminar on Thirukkural in March 2016	M.G.University	Prof Nachimuthu Internationaly Relevant Linguistics
70.	National Conference on The Hebrew Question in the Italian Renaissancein April 2016	M.G.University	Prof.Daniel Stein Kokin Jewish Literature and Culture ,University Greifswald,Germany
Scho	ol of Management and Busin	ess Studies	
71.	National Conference on Business Models (NCBM), February 2016	M.G.University	Dr. Javed Hassan,Nest Group Dr.K.C.Chandrashekaran Nair Consultant KIDCO Dr T.Ashokan P.V.C Kannur University Shri P.Vinod Manger RBI
Scho	ol of Pure and Applied Physi	cs	
72.	National seminar on 100 years of crystallography, 2013, SPAP Mahatma Gandhi University, Kottayam.	M.G.University	Dr.S.Karthikeyan, IMTECH,Chandigarh

73.	International year of	KSCSTE	Dr.M.R.N Murthy,IISC		
73.	Crystallograpghy 2014	ROCOTE	Banglore		
74.	National seminar on Photonics,MGU June 26 th (2014)	M.G.University	Dr Reji Philip,Raman Research Institute ,Bangalore		
75.	National Seminar on Advanced Materials, SPAP,M.G. University, January 19-20 th , 2012. Number of Participants – 75	M.G.University	Dr Santhosh Kumar,IIT Chennai		
76.	International Conference on Plasma & Nanotechnology and 29th National Symposium on Plasma Science & Technology 8-11 th Dec 2014 (PLASMA-2014)	M.G.University	Ashish Vyas, IIT Delhi		
77.	Seminar on "The Hunt for the Blue LED"-SPAP, 14, October, 2015	M.G.University	Dr Reji Philip,Raman Research Institute ,Bangalore		
78.	Seminar on Piezoelectric Thin Films – Influence of film texture for MEMS. SPAP, 18 June 2015.	M.G.University	Dr B.Premlal,U.K		
Schoo	ol of Tourism Studies				
79.	Two day National Level Seminar on Research Methodology and SPSS software in May 2016	M.G.University	Dr. B. George and Dr. S. Pushparaj, Associate Professors, Madurai Kamaraj University and Dr. Cecil Dalston, Associate Professor, Presidency College Chennai		
80.	One day Seminar on 'Literary Tourism' with Darsana Academy and DTPC – Kottayam	M.G.University	Mr. U.V.Jose, Director, Dept of Tourism		
Depa	Department of Life Long Learning and Extension				
81.	Four day Seminar on Organic Farming31 Jan to 3 Feb, 2013.	M.G.university	K.V.Dayal,Famous Organic farming expert		
82.	One Day Seminar on Organic Farming-16-10- 2014	M.G.University	K.V.Dayal,Famous Organic farming expert		

83.	The International Seminar, Theme-"EXTENSION: THE THIRD DIMENSION OF EDUCATION" February 26-28, 2016 Venue:-Marian College,Kuttikkanam	M.G.University	
84.	Two Day National Seminar on Relevance of Yoga in Modern Life 18 th and 19 th March 2016	M.G.University	Hira rattan Manek,famous sun gazing expert
85.	National Seminar on the Trends and Developments in the Education of Children with Learning Disabilities	M.G.University	Himanshu Tripati
86.	National Seminar on Blood and Organ Donation- Scientific and Motivational Aspects -5 th to 7 th October 2016.	M.G.University	
Inter	national and Inter University	y Centre for Nanoscience an	nd Nanotechnology-IIUCNN
87.	International Conference on Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Application (ICM 2016): 13-15, May 2016	University,DST New Delhi,KSCSTE Thiruvant-hapuram	Dr. Galder Kortaberria Basque Country University, Donostia, Spain. Dr. Sunilkumar PN University of Regensburg, Germany Prof. Jana Rieger University of Alberta, Canada Prof. Erhan Piskin Hacettepe University
88.	Fourth International Conference on Nanomedicine and Tissue Engineering (ICNT 2016) 12-14 August 2016	ICMR,KSCSTE Thiruvanthapuram	Abdeen Mustafa Omer, UK Devika Chithrani, Canada Jagat Kanwar, AUSTRALIA Xiaohong Yang , China Madhavan Nair, USA
89.	First International Conference on Advanced Materials for Power Engineering (ICAMPE 2015): 11-13 December, 2015	DRDO, New Delhi DST, New Delhi	Dr. Cemal Basaran, State University of New York at Buffalo, New York, USA Dr. Matej JERGEL Slovak Academy of



90.	International Conference on Nanostructured Polymeric Materials (ICNPM 2015): 13-15 November, 2015	ICMR, New Delhi KSCSTE, Trivandrum	Sciences Bratislava, Slovak Republic Prof. Douglas B. Chrisey Tulane University New Orleans, USA Prof. Samy Remita (Mr.) Université Paris-Sud, Orsay, France Dr. Naved I. Malek Universidade De Sao Paulo Brazil Prof. Emmanuel Rotimi
91.	World Congress on Microscopy (WCM 2015): 9-11 October,2015	INSA, New Delhi University,DST New Delhi ,KSCSTE Thiruvanthapuram	Prof. Ludek Frank, Ústav přístrojové techniky Czech Republic Dr. Orsolya Kantor Semmelweis University, Hungary
92.	Fourth International Conference on Natural Polymers (ICNP 2015): 10-12 April 2015	University,DRDO ,KSCSTE Thiruvanthapuram	Dr. Chantara Thevy Ratnam, Malaysian Nuclear agency Selangor DE, Malaysia Prof. Marcos Lopes Dias Universidade Federal do Rio de Janeiro-Brasil Dr. Jonathan Lao Laboratoire de Physique Corpusculaire, CNRS/IN2P3, France
93.	Second International Conference on Nanostructured Materials and Nanocomposites (ICNM 2014): 19 – 21 December 2014	DST, New Delhi	Dr. Adel Najar Nippon Telegraph and Telephone Corporation (NTT) Kanagawa Japan Prof. Jose Rajan, Ph.D. Univ Malaysia Pahang, Malaysia Ogun State, Nigeria
94.	nternational Conference on Polymer Processing and Characterization (ICPPC 2014): 11-13 October 2014	University,DST New Delhi ,KSCSTE Thiruvanthapuram	Dr. Greg Griffin RMIT University Melbourne, Australia Prof. Dr. Gerhard Eder Johannes Kepler University
95.	First World Conference on Fracture and Damage Mechanics (FRACTURE	University,INSA New Delhi,KSCSTE Thiruvanthapuram	Arun Raje LaVision GmbH, Goettingen, Germany

	2014): 9-11 August 2014		Ramdane Boukellif Universität Kassel Kassel, Germany Ryuichiro Ebara , Fukuoka University, Japan Prof. Masahiro Endo,
96.	Third International Conference on Recycling and Reuse of Materials (ICRM 2014): 11-13 April 2014	CSIR, New Delhi DST, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Prof. Vinicius Guilherme Celante Instituto Federal do Espírito Santo - IFES - Campus Aracruz, Brazil. Dr. Eng. Maria Concetta Tomei Monterotondo Stazione,Italy Tomoko Akai
97.	Seminar on Polymers and Environment, 4 th September 2013	M.G.University USIEF	Pro Vice Chancellor M.G University Cordinator USIEF,Chennai
98.	International Conference on Advanced Polymeric Materials (ICAPM 2013): 11-13 October 2013	CSIR, New Delhi DST, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Dr Ashu Bansal University of St Andrews, UK Prof. Juozas Vidas Gražulevičius Kaunas University of Technology,Lithuania Prof. Dr. Baki Hazer Bulent Ecevit University, Zonguldak, Turkey Prof. Dr. Gerhard Wenz Campus Saarbrücken,
99.	Third Euro-India International Conference on Nanomedicine and Tissue Engineering (ICNT 2013): 9-11 August 2013	CSIR, New Delhi DRDO, New Delhi DST, New Delhi ICMR, New Delhi INSA, New Delhi	Jie Weng Jiaotong University, PR China Charlotte A. E. Hauser Institute of Bioengineering and Nanotechnology, Singapore Lindy Fitzgerald The Univ. of Western Australia Dr. Samarendra Maji Ghent, Belgium
100.	First International Conference on Advanced Nanocomposites for Construction Materials (ICNC 2013) 12-14 March	CSIR, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Mahmoud Reda Taha, Mexico Firat University, Turkey A Jindrich M., Czech Republic



	2013		Dimitris Karamanis,
			Greece
			Federica Bondioli, Italy
			MirhoseiniSarejam, Iran
			Akira Otsuki, Australia
101.	The India-Israel Meeting	CSIR, New Delhi	Gary Hodes,Israel
	On Material Science And	DRDO New Delhi	David Cahen,Israel
	Nanoscience, (IIMMN-	KSCSTE, Trivandrum	Leeor Kronik,Israel
	2013), Mahatma Gandhi University, Kottayam,		Rafal Klajn,Israel
	Kerala, India 31 st January		Yehiam Prior,Israel
	to 1 st February 2013		Ernesto Joselevich,Israel
	•		Gitti Frey,Israel
102.	Second International	DST, New Delhi	Dr. Baidakova Marina
	Conference on	ICMR, KSCSTE,	Vladimirovna ,Russia
	Nanomaterials - Synthesis,	Trivandrum	Dr Guryanova Natalia
	Characterization and Applications (ICN – 2012)		Ivanovna Russia
	13-15 January 2012		Dr Yury S. Nechaev
	10 10 vanuary 2012		RUSSIA
			Dr Prof. Petr A. Purtov Russia
103.	Third International	CSIR, New Delhi	Dr. Elliot Paul Gilbert
103.	Conference on Natural	DBT, New Delhi	Project Leader, Food
	Polymers (ICNP2012): 26-	DRDO, New Delhi	Science
	28 October 2012.	DST, New Delhi	Australia
		INSA, New Delhi	Mohan Trada
		INSA, New Dellii	University of Southern
			Queensland, Australia
			Anand Gadre
			University of California, Merced
			Prof.Chengbo
			Shandong University
104.	First Indo- US	CSIR, New Delhi	Dr. LIU ZhiGang
	International Conference	DRDO, New Delhi	School of Mechanical
	on Polymers for	ICMR, New Delhi	Engineering, Jiangnan
	Packaging Applications	KSCSTE, Trivandrum	University CHINA
	(ICPPA 2012) 31st March – 2nd April 2012,		Prof. Dr. LU-Li Xin
	Kottayam, Kerala, INDIA		School of Mechanical
	, , , , , , , , , , , , , , , , , , , ,		Engineering, Jiangsu Province, CHINA
105.	Third International	DST, New Delhi	Prof Patrick Sharrock
100.	Multicomponent	ICMR,KSCSTE,M.G.Uni	University Paul Sabatier
	Polymer Conference	versity	Castres Cedex, France
	(IMPC-2012) 23-25		Dr. Leandro Ludueña
	March-2012, Conducted		National University of Mar
	by Centre for		del Plata, Argentina
	Nanoscience, M. G.		, G

	University, Kerala, INDIA		
106.	(PPOMP 2011) First International Conference on Plasma Processing of Organic Materials and Polymers 25-27 November 2011, Kottayam, Kerala, India	BRNS, Mumbai CSIR, New Delhi DST, New Delhi ISRO, Bangalore	Dr. Frederic Thevenet Dpt. Chimie & Environnement Ecole des Mines, Douai Poncin-Epaillard Fabienne Université de Rouen, Mont Saint Aignan Cedex, France Miran Mozetic Jozef Stefan Institute, Slovenia Miguel Manso Silván
107.	ICNC-2011- International Conference on Composites and Nanocomposites-2011 Conducted by Centre for Nanoscience, M. G. University, Kerala, INDIA	CSIR, New Delhi DST, New Delhi KSCSTE, Trivandrum	Dr. Andrés E. Sotelo Mieg EUITIZ, Zaragoza (Spain) Xiangdong Yao Griffith Unversity , Australia Prof.Bernard Riedl, Université Laval, Canada Suresh Narine Trent University, Canada
108.	Second International Conference on Recycling and Reuse of Materials (ICRM 2011) 5-7 August 2011, Kottayam, Kerala, India	CSIR, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Prof. Dr. Verónica Calderón Spain Prof. Neil Izatt USA Prof. Nagesh N. Murthy USA Prof. Marko Likon Slovenia Prof. Raimundo Kennedy Vieira Brazil,
109.	First International Conference on Nanomaterials (ICN 2010) April 27-29, 2010.	CSIR, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Dr. Rongming Wang, China Prof. Dr. HG. Boyen, Belgium Dr. M.A.G. Soler Invoice, Brazil Dr. Mathieu Etienne, FRANCE Dr. Rolf Heumann Germany
110.	Second International Conference on Polymer Processing and Characterization (ICPPC – 2010) January 15, 16 and 17, 2010	CSIR, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Dr. Verónica Patricia Martino France Prof. Alexey Iordanskii. Moscow Dr. Moyad N. Khalaf Iraq Prof. Oleg Kulikov Russia Prof. Wang li China Prof. Lu Lin China



Adav	Adavanced Centre of Environmental Studies and Sustainable Development -ACESSD			
111.	International Conference on Advanced Oxidation Process in collaboration with Centre for Environment Education and Technology (CEET), (AOP-2010)-September 18-21, 2010, Kottayam.	DST, CSIR, DRDO	Prof. Dr. Detlef W. Bahnemann (Germany), Prof. Dr. Hoffmann(caltech,USA), Prof. Dr. Jacqueline Belloni (France), Padmasree Jai P. Mittal (BARC, India), Dr. Tulsi Mukherjee (BARC, India), Prof. Dr. B.S. M. Rao (Pune ,India)	
112.	National Conference on Native Livestock breeds and their sustainable uses in collaboration with Vechoor Conservation Trust and National Biodiversity Authority, September 27- 28, 2010, Kottayam)	DST, CSIR, DRDO	Prof. Dr. Deniz Roizard (France), Dr. Asok M Raichur (IISC, India), Prof. Dr. V.V. Tepliakov(Russia), Prof. Dr. G. Golemme(Italy), Dr Jayasree ramkumar(BARC, India), Prof. Dr. Quang Trong Nyugen (France), Dr. Hiromitsu Takaba (Japan), Prof. Dr. Alok Kumar Ghosal (IIT, Guwahati,India), Dr. Anupam Sukla (IIT, Delhi,India), Thomas Luxbacher(Austria), Dr. S. K. thampi (CSMCRI, India), Prof. Dr. R. Mercier(France), Prof. Dr. Nagy E(Hungary)	
113.	International Conference on Membranes: Environmental and biological applications- (ICM-2011) September 16-19, 2011, Kottayam.	DST, CSIR, DRDO	Prof. Dr. Hynd Remita (France), Prof. Dr. Mehmet Oturan(France), Dr. Sarkar (BARC, India), Dr. Abijith Saha(Kolkata,India)	
114.	National conference on Disaster risk and vulnerability, School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, 2011	DST, CSIR, DRDO MEF,	Prof. D. Fatta Kassinos (Cyprus), Prof. Minjoong Yoon (South Korea), Prof. Renato).	
115.	Second International conference on Advanced Oxidation Process, October 5-8, 2012, Kottayam.	M.G.Un-iversity	Prof. Dipankar Chakraborty(Kolkata, India), Prof. Anne M. Hassen (Mexico), Dr. Anurag Garg(IIT,Bombay),	

116. 117.	National Conference on Conservation and Management Of Wetland Ecosystems, In Association with SES, MGU, Kottayam, November 6-9, 2012 National seminar on	M.G.Un-iversity MEF, M.G.Un-iversity	Prof. Andreas Kaiser (Denmark), Prof Yoram Oren (Israel), Prof. Balagopal Nair (Japan)
	sustainable development – recent trends in meeting the challenges, School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, January 20-21, 2012, Kottayam.		Prof Sylvie (France), Prof)
118.	International Conference on Membranes (ICM- 2013), October 3-6, 2013, Kottayam.	DST, CSIR, BRNS	K. G. K. Warrier (NIIST, India), Prof. Dr. Vinay A. Juvekar (IIT,Bombay)
119.	Seminar on Conservation of Western Ghats, School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, 16 th December 2013.	DST, CSIR, BRNS	Prof. O. P. Singh (India), Prof. Dayanthi Nugegoda (Australia).
120.	Third International Conference on Advanced Oxidation Processes (AOP 2014) Sept. 25-28, 2014, Munnar, Kerala.	DST, CSIR, BRNS	Mark Wisner (USA), Dr/ Ulhas Kharul (NCL,India)
121.	International Conference on Water: from pollution to purification (ICW - 2015) Jan. 23-26, 2015, Kottayam, Kerala	DST, CSIR, BRNS	Falcao Dantas (Brazil),
122.	International Conference on Membranes (ICM - 2015) Aug. 21-24, 2013, Kochi, Kerala	DST, CSIR, DRDO	Dr. Pushpito Ghosh(CSMCRI, India)
123.	International Conference on Mass Spectrometry, December, 11-14, 2015, Kottayam	MEF	Dr. Marc J-F Suter, Eawag, Switzerland Prof. Athula Attygalle, Stevens Institute of

			Technology, USA
			Prof. Olivier Laprevote, Paris Descartes University, France
Inter	University Centre for Studie	es in Science of Music -IUC	SSM
124.	International Seminar on Science of Music was organized "Nadam-2015" 23-27 Sepetember 2015 at Kottayam	M.G.University	Dr. James B. Kinchen, University of Wisconsin- Parkside Dr. Sanjay Subramanyam Chennai,Eminant Karnatic Vocalist
Adva	nced Molecular Materials Ro	esearch Centre-AMMRC	
125.	National Seminar on Current Trends in Material Sciences on 15-11-2013	M.G.University	Dr Vijayamohanan Pillai, CECRI, Karaikudi Dr K.R.Dayas, CMET, Trichur Dr Shaaijumon Cherian, IISER, TVM
126.	National Seminar on Recent trends in Inorganic-Organic Hybrid Materials on 26 - 27 February, 2015	M.G.University	J. N Behera (NISER, Orissa) T.K.Maji (JNCASR, Bangalore) R. Murugavel, (IIT, Bombay)
127.	National Seminar on Recent Advances in Materials Sciences on November 18-19, 2016,	M.G University	1. Dr. Subi Jacob George, JNCSR Banglore 2. Dr.Vinod Prabhakaran NCL Pune 3. Dr. Reji Varghaes, IISER TVM 4. Dr. Hareesh, NIIST, TVM
Natio	onal Institute of Plant Science	e and Technology (NIPST)	
128.	National Seminar on "Plant Science Technology for Sustainable World" held on 25th & 26th February 2016.	M.G.University	Dr. Krishnaraj P.U., College of Agriculture, UAS Dharwad, Karnataka. Dr. Lekha Sreekantan, KAU, Thiruvananthapuram. Binod Parameswaran, CSIR-NIIST, Thiruvananthapuram Dr. K.G. Reghu, CSIR-NIIST, Thiruvananthapuram



Inter	Inter University Instrumentation Centre –IUIC			
129.	National Workshop on Frontiers of Spectroscopy and Microscopy, Sept 10- 12, 2012	DST-PURSE	Prof. K.V.Ramanathan, IISc, Bangalore (NMR Spectroscopy)	
			• Dr. Venkat Manohar, IICMS, Chennai (MS- Proteomics)	
			Dr. Unnikrishnan Warrier C. CWRDM, Calicut (Isotopes ratio - MS)	
			Prof. P.M.G. Nambissan, SINP, Kolkata (Positron Annihilation)	
130.	National Seminar on "Uptrends in Chemical	UGC	1. Dr. T. Pradeep , IIT Chennai	
	Sciences and Technology"-2013 March 15-16, 2013		2. Prof. A. Ajayaghosh , CSIR- O Scientist & Dean, Academy of Scientific And Innovative Research,	
			Niist, Trivandrum 3. Prof. Santhanu Bhattacharya , IISc, Bangalore	
			4. Prof. A.K. Mishra , IIT Chennai	
			5. Dr. Y.S. Mayya , BARC, Mumbai	
131.	International Conference on Mass Spectrometry, ICMS-2013 Sept. 6-9, 2013	KSCSTE, BRNS, CSIR, M. G. University	Dr. Olivier Laprevote, Paris Descartes University, France Dr.Mahesh J. Kulkarni, National Chemical Laboratory, Pune, India Prof. Kentaro Yamaguchi, Tokushima Bunri University, Japan Dr. Venkateswarlu Panchagnula, National Chemical Laboratory, Pune	
			Dr.R. Srinivas, National Centre for Mass Spectrometry, India	



132.	National Colloquium on Mass Spectrometry, Chemical, Biological and Environmental applications Aug. 29-31, 2014	KSCSTE	Dr. K. P. Madhusudanan, Visiting Scientist, IUIC, MGU Dr S.K. Raza, Institute of Pesticide Formulation Technology, Gurgaon Dr. M.V. Jagannadham, CSIR- CCMB, Hyderabad Dr.Abdul Jaleel K. A., RGCB, TVM),
133.	International Conference on Advanced Oxidation Processes, AOP- 2014 Sept. 25-28, 2014	DST, KSCSTE, BRNS, ISRO	Dr. Michael R. Hoffmann, California Institute of Technology, USA Prof. Mehmet A. Oturan, Universite Paris-Est, Marne-la-Vallee, France Dr. Collin G. Joseph, Universiti Malaysia Sabah, MALAYSIA Prof. D. Fatta-Kassinos, School of Engineering, University of Cyprus, Cyprus\ Prof. Minjoong Yoon, Chungnam National University, Daejeon, South Korea
134.	International Conference on Water, ICW-2015 Jan. 23-26, 2015	DST	Prof. Mark R. Weisner, Duke University, USA. Prof. Yoram Oren, Zukerberg Institute for Water Research, Israel. Dr. Anne M. Hansen, Mexican Institute of Water Technology, Mexico. Dr. Martina Zelenakova, Technical University of Kosice, Slovakia.
135.	Third International Conference on Membranes, ICM-2015 Aug. 21-24, 2015	DRDO	Prof. Y. Oren, Zuckerberg Institute for Water Research, Israel Prof. Vladimir Teplyakov, Russian Academy of Sciences, Russia Prof. Andreas Kaiser, Technical University of Denmark, Denmark Dr. Thomas Luxbacher, Anton Paar GmbH, Austria

136.	National Workshop on Mass Spectrometry (NWMS-2015), Dec. 10- 11, 2015	M. G. University	Dr. M. Vairamani, SRM University, Chennai Dr. K. Madhusudanan, IUIC, M. G. University Dr. R. Srinivas, National Centre for Mass Spectrometry, CSIR-IICT, Hyderabad Prof. Athula Attygalle, Stevens Institute of Technology, USA.
137.	International Conference on Mass Spectrometry, ICMS-2015 Dec. 11-14, 2015	DST, KSCSTE, DRDO	Dr. Marc J-F Suter, Eawag, Switzerland Prof. Athula Attygalle, Stevens Institute of Technology, USA Dr. R. Srinivas, National Centre for Mass Spectrometry, India
Instit	ute for Contemporary Chine	ese Studies - ICCS	
138.	Symposium on the theme China and the Emerging World Order: Is Peaceful Rise Possible? on 23 December 2011 jointly with the KPS Menon Chair, School of International Relations and Politics, MGU	ICSR, ICWA	Prof. Jia Haitao, Director, Institute for Chindian Studies, Jinan National University, Guangdong, Guangzhou, China Li Mingquan, Professor& Vice – President, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China
139.	International Conference on China (CoC 2012) during 1-3 November 2012 on the theme The Rise of China: Policy Parameters and Prospects jointly with the Indian Council of World Affairs (ICWA), New Delhi, Association of Asian Scholars (AAS), New Delhi and the Institute of Chinese Studies (ICS), New Delhi	ICSR, ICWA, MG University	Huan Yinghong, Associate Professor at the School of International Relations, Sun Yat-sen University, P.R.China Yue Zhaomin, Associate Professor, Sichuan Academy of Social Sciences, China. Faculty and Secretary General of the "Centre for India Studies", China Ji Mengxue, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China



140.	International Symposium on the theme Political Transition in China and the United States – Implications for India on 28 February 2013 jointly with the KPS Menon Chair	MG University	Li Jingfeng, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China Chen Jixiang, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China Nie Wenjuan, Associate Professor, Institute of International Relations, China Foreign Affairs University.
141.	National Seminar on the theme "Understanding China: Indian Perspectives" jointly with the Nelson Mandela Chair for Afro-Asian Studies, SIRP and the Chennai Centre for Chinese Studies during February 2015. It was attended by around 20 invited scholars.	MG University CCCS, Chennai	Prof. Srikanth Kondapalli, Jawaharlal Nehru University, New Delhi Amb. Vinod C. Khanna from New Delhi, Sri. Venu Rajamony, IFS from the Ministry of External Affairs; Sri. T.P. Sreenivasan, IFS, Former Indian Ambassador, Sri. Muraleedharan Nair formerly Consul General at Indian Mission at Guangzhou, China,
142.	Conference on the theme "Engaging Diaspora" jointly with the Nelson Mandela Chair for Afro- Asian Studies, SIRP during March 2015.	MG University KSHEC, Thiruvanathapuram.	Prof. Srikanth Kondapalli, Prof. of Chinese Studies at Jawaharlal Nehru University (JNU), New Delhi, Prof. Madhu Bhalla, Prof. of Chinese Studies at Delhi University, Prof. V. Suryanarayan, President, Chennai Centre for China Studies, Chennai, Dr. D.S. Rajan, Director, Chennai Centre for China Studies,
143.	Associated with an International Conference on 'Understanding	MG University	Dr.T.G. Suresh, Associate Professor, Centre for Political Studies, JNU,

	Contemporary India' organized by the Rajiv Gandhi Chair for Public Policy Studies, School of International Relations and Politic s& University Centre for International Cooperation, Mahatma Gandhi University during 14-15 January 2016.		Sri. R. Hariharan, Former Chief of Military Intelligence, Government of India, Sri.K. Subrahmaniam, Former Joint Secretary (Retd.) Dept. of Economic Affairs, Government of India, Prof. R.S. Vasan, Director, Chennai Centre for China Studies
	Raj Centre for Planning and		
144.	Seminar "Emerging Kerala and the Budget 2013-14" -Seminar and Symposium on 22 March 2013.	MG University	Prof. M.A. Oommen, Dr. K.K. George, Prof. K.J. Joseph, Prof. K.N. Harilal, Sri. C.P. John, Prof. Martin Patrick et al. and Sri. K. M. Mani
145.	Colloquium on "Contours of Centre- State Financial Relations and the Budget 2014-15	MG university	Prof. K.N. Harilal (CDS), C.P. John (Planning Board), Prof. Rajan Varughese (former PVC), R. Mohan (Ministry of Finance, Govt of India), Shyjan D (CDS), Prof. Thomas Isaac, former finance minister and Sri. K.M. Mani
146.	Colloquium on the "Union Budget: Challenges and Opportunities" 11 July 2014	MG university	Dr. Jayan Jose Thomas, Associate Professor, Indian Institute of Technology, New Delhi. Dr. Alexander Eapen, Director of Research, Australian National University, Sri. K.T. Chacko former Director, Indian Institute of Foreign Trade, New Delhi, Dr. Jose Naduthotty, KNRC and Dr. B. Ekbal
147.	Collaborative Seminar with UC College	UC college	Dr. Anuradha Balaram (Advisor to the State Planning Board), Dr. Praveen Jha (Jawaharlal Nehru University), Dr. K. K George, Dr. M.A. Oommen, Dr.D.Narayana (former Director, GIFT), Dr CA Antony, CUSAT, Mr. Mohan, Ministry of

			Finance, Dr. Rajan Varughese et al. Dr. Amit S Ray, Director, Centre for Development Studies
148.	Kerala Development Oxymora: External Source Goods and Service Tax (GST): Implications for Kerala Economy	ICSSR Institute of Parliamentary Studies (IPS)	Prof C P Chandrashekhar, Professor of Economics, J.N.U New Delhi Prof. M A Ommen, Indian Social Institute, Delhi

3.2 Resource Mobilization for Research

3.2.1 What are the financial provisions made in the university budget for supporting student's research projects?

University Fellowships for Research:

The University provides fellowship to Research Scholars who have been registered for their Ph.D programme (and who are not availing any other fellowships)

Sl.No	Financial year	No.Candidates	
1	2010-11	120	
2	2011-12	160	
3	2012-13	106	
4	2013-14	257	
5	2014-15	200	
6	2015-16	230	

Fellowships from funding agencies (UGC/CSIR JRF/SRF):

Sl.No	Financial year	No.Candidates	
1	2010-11	44	
2	2011-12	44	
3	2012-13	134	
4	2013-14	177	
5	2014-15	202	
6	2015-16	176	



Other Fellowships

Sl.No	Financial year	DST INSPIRE	ICSSR SRF	ICSSR PDF	RFSMS	RGNF	KSCSTE
1	2010-11	0	1	ı	15	21	05
2	2011-12	1	-	-	16	26	05
3	2012-13	2	-	-	21	22	08
4	2013-14	7	1	1	22	13	12
5	2014-15	12	-	1	19	09	12
6	2015-16	9	-	1	11	04	09

Funds from External funding Agencies

Sl.No	Name of School /Department	Total amount recieved from various funding agencies		
1	Behavioural Sciences	Rs 4.665 Lakhs		
2	Biosciences	Rs 858.204 Lakhs		
3	Chemical Sciences	Rs 828.556 Lakhs		
5	Environmental Sciences	Rs 313.36 Lakhs		
6	Gandhian Thought & Developmental Studies	Rs 44.93 Lakhs		
7	International Relation & Politics	Rs 42.90 Lakhs		
8	Letters	Rs 17.342 Lakhs		
9	Management & Business Studies	s Rs 3.00 Lakhs		
10	Pedagogical Sciences	Rs 4.665 Lakhs		
11	Pure & Applied Physics	Rs 325.27656 Lakhs		
12	Tourism Studies	Rs 11.11 Lakhs		



Sl.No	Name of centre	Total amount recieved from various funding agencies (Rupees)		
1	IIUCNN	1594.74285 Lakhs		
2	СНРС	40.00 Lakhs		
3	ACESSD	76.00 Lakhs		
4	AMMRC	5.20 Lakhs		
5	ICCS	25.00 Lakhs		
6	IUIC	650.00 Lakhs		
7	KNRaj	8.73 Lakhs		

Details of Funds from External Funding Agencies State Plan Funds for Infrastructure development

Year	Funding agency	Total grant received (Rs in Lakhs)
2011-12	State Plan Fund	2.50
2012-13	State Plan Fund	1.40
2013-14	State Plan Fund	1.60
2014-15	State Plan Fund	21.50
2015-16	State Plan Fund	22.00

3.2.2 Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

Two"Outreach programmes were conducted on facilitating innovation and patent filing on 29th February 2016 and 19th August 2016. This was organised by Inter University Centre for intellectual property right studies, Cochin University of Science and Technology, hosted by Mahatma Gandhi University.



SL. No	Patents Granted
1.	Photosensitizers and use thereof for generating hydrogen from water. N. Stefan, D. Uwe, B. Jens, H. Sascha, B. Matthias, Z. Horst-Werner, G. Felix, C. Daniela, D. Stefania, G. Anilkumar, L. Sebastian, J. Henrik, G. Serafino, B. Matthias US patent. US 2014/0023582 A1. (2014) Verfahren zur katalytischen oxidation von Wasser. <i>G. Anilkumar</i> , S. Losse, S. Gladiali, N. Marquet, F. Gartner, S. Dennura, H. Junge, M. Beller, D. Cozzula, German patent. DE 10 2011 079424 A1 (2013)
2.	Process for catalytic oxidation of water. N. Marquet, <i>G. Anilkumar</i> , F. Gartner, S. Losse, S. Dennura, D. Cozzula, S. Gladiali, M. Beller International Patent. WO 2013/010902 A1 (2013)
3.	Photosensitizers and use thereof for generating hydrogen from water. N. Stefan, D. Uwe, B. Jens, H. Sascha, B. Matthias, Z. Horst-Werner, G. Felix, C. Daniela, D. Stefania, <i>G. Anilkumar</i> , L. Sebastian, J.Henrik, G. Serafino, B. Matthias International Patent.WO 2012/065833 A1. (2012)
4.	Photosensibilisatoren und deren Einsatz zur wasserstoffereugung aus wasser. N. Stefan, D. Uwe, B. Jens, H. Sascha, B. Matthias, Z. Horst-Werner, G. Felix, C. Daniela, D. Stefania, <i>G. Anilkumar</i> , L. Sebastian, J. Henrik, G. Serafino, B. Matthias European Patent. DE 10 2010044155 A1. (2012)
5.	Fibre reinforced composites with toughened epoxy matrix and a process for preparing the same, Application 940/CHE/2006, published 2007-12-07. Vattikuti Lakshmana Rao, Bejoy Francis, Rajagopal Ramaswamy, Kavoor Ninan Ninan, <i>Sabu Thomas</i> . Patent no. 276350, date of grant 17/10/2016.
6.	Verfahren zur katalytischen oxidation von Wasser. <i>G. Anilkumar</i> , S. Losse, S. Gladiali, N. Marquet, F. Gartner, S. Dennura, H. Junge, M. Beller, D. Cozzula, German patent. DE 10 2011 079424 A1 (2013
7.	Photosensitizers and use thereof for generating hydrogen from water. N. Stefan, D. Uwe, B. Jens, H. Sascha, B. Matthias, Z. Horst-Werner, G. Felix, C. Daniela, D. Stefania, <i>G. Anilkumar</i> , L. Sebastian, J. Henrik, G. Serafino, B. Matthias US patent. US 2014/0023582 A1. (2014)
	Patents filed
1.	Biodegradable, Biocompatible Wound Healing Dressing Film and ointment from the Biocomposite of Marine Origin, Indian Patent application: 840/DEL/2013, M.Kurup and <i>Sabu Thomas</i>



2.	A polymer Nanocomposite, Process And Application there-of, WIPO Publication number: WO2016142848 A1, Publication date: Sep 15, 2016, and Indian patent Application No: 638/DEL/2015 Mohammed Arif P, Sabu Thomas, Nandakumar Kalarikkal
3.	Highly gas impermeable elastomeric rubber- rubber blend nanocomposite, Indian Patent Application no: 135/CHE/2012, <i>Sabu Thomas</i> , <i>Ajesh K. Zachariah</i> , P.K. Mohammad, Arup Kumar Chandra.
4.	Method for improving the comparative tracking index of polymer composites, Indian patent Application No:239/CHE/2014, Harinarayanan Puliyalil, Uros Cvelbar, Miran Mozetic, <i>Sabu Thomas</i> .
5.	Ibnusaud and Sarath Muralidharan Pillai. Enatiopure total synthesis of indolizinoindole alkaloid (+) harmicine and (-) harmicine from (2S,3R)-Tetrahydro-3-hydroxy-5-oxo -2,3-furandicarboxylic acid (Hibiscus acid) and (2S,3S)-Tetrahydro-3-hydroxy-5-oxo -2,3-furandicarboxylic acid(Garcinia acid). Indian Patent application No . 3682/CHE/2016
6.	Synthesis of(<i>R</i>)-(+)-Crispine Aand(<i>S</i>)-(-)-Crispine A from(2 <i>S</i> ,3 <i>R</i>)- and (2 <i>S</i> ,3 <i>S</i>)-Tetrahydro-3-hydroxy-5-oxo-2,3-furandicarboxylic acids, <i>Divya Sadasivan Nair, Deenamma Habel and Ibrahim Ibnusaud</i> , Indian Patent application No. 3484/CHE/ 2016S
7.	A Process for Making AP –based Composite Propellent with Active Copper Oxide as Burn Rate Modifier". No.241/MAS/97 Inventors-Suresh Mathew, T. L. Varghese and K. N. Ninan

3.2.3 Provide the following details of ongoing research projects of faculty:

Total number of ongoing projects: 58

Sl. No.	Title of the Project ol of Biosciences	Period	Funding agencies	Total Fund (Rs in Lakhs)
1.	Studies on molecular and chemical basis of plant growth promoting and antiphytopathogenic properties of rhizosphere microorganisms	2015-2018	KSCSTE	25

2.	Identification, isolation and characterization of Acyl Homoserine Lactonemimic compounds from selected plants	2015-2017	KSCSTE	6.9
3.	Explorations of honey bee gut microbiota for industrial and therapeutic applications' (SB/EMEQ- 137/2013)	2013-2017	DST-SERB, New Delhi.	30
4.	Bioremediation of chlorpyrifos by autochthonous bacterial consortia	2016-2019	KSCSTE	22.94
5.	Investigating the mechanism behind the protective effect of the anticancer compounds isolated from <i>Woodfordia fruticosa</i> Kurz. Flowers against hepatocellular carcinoma.	2016-2019	KSCSTE	22
6.	Purification and characterization of Bacteriocin produced by Lactic Acid Bacteria isolated from Natural sources	384/p and D- II/1/2016/ ADMN	UGC	5
7.	Boost to University Interdisciplinary Life Science Departments For Education And Research (BUILDER)	2012-2017	BT/PR4800/INF/22 /152/2012 DBT	450
Scho	ool of Chemical Sciences (SC	S)		
8.	Nano membrane for water purifications	2013-2014	DST-Kothari PDF	17.00
9.	Nanocellulose water	2015-	DST-Kothari	17.00

	purifications	2016	PDF	
10.	Nanocomposites	2015-2018	DST-Kothari PDF	17.00
Scho	ool of Environmental Science	s		
11.	Perchlorate contamination of drinking water resources in Kerala	2016-2019	KSCSTE, Govt. of Kerala	22.5
12.	Investigation of the special distribution of uranium and associated water quality parameters in five central districts of Kerala	2015 onwards	BRNS	22.92
13.	Long Term Environmental Monitoring of Fjord Ecosystems, Ny-Ålesund (Arctic)	ESSO- NCAOR, MoES	2016-2017	Logistic support
Scho	ool of International Relations	and Politics		
14.	WTO, TRIPS and South Asia	2014	UGC	8. 7
Scho	ool of Pedagogical Sciences			
15.	Analysis of Performance- Based Assessment of English: A study Among Secondary School Teachers of Kerala		UGC	1.1
16.	Programme Design and Implementation of an Idylic Classroom Culture of Thinking Through Designated Mechanisms to Engage Teacher Educands at Secondary Level In Peace Building Activities		UGC	1
17.	"Teaching Mathematical Thinking Through E- Contents in Mathematics		UGC	2.56

	among Secondary School Students"						
Scho	School of Pure and Applied Physics (SPAP)						
18.	Nanoparticleaggregationbe haviorin polymer nanocomposites	2014-2017	UGC-DAE-CSR Kolkata	7.894			
19.	Physics of Cavitation Bubbling and Hydrogen Generation during Liquid Phase Laser Ablation	2016 -18	BRNS	34.96576			
20.	SolGelShapingofnanostruct uresandtheir characterization ofPlasmonic application	2014-17	KSCSTE	15.0			
Scho	ool of Social Sciences						
21.	"Self-Help Groups in Kerala: A Study in Economic Sociology"	2015-17	UGC, New Delhi	3.5			
22.	"Theyyam Kettu of Kerala: The Economy and Labour of Performance"		ICSSR, New Delhi	9 .00			
23.	Archives sans Borders MGU	2016-17	Government of Kerala	23.70			
24.	ABILITY Project for Physically Challenged and Visually Impaired		Government of Kerala	83.00			
Scho	ol of Tourism Studies						
25.	Making Kerala's Tourism destinations with minimal disaster risk: a geographic approach"	2016-18	(ICSSR) Indian Council of Social Science Research	8.00			
Inter	rnational and Inter Universit	y Centre for	Nanoscience and Nar	notechnology			
26.	Rod-coil type block copolymers and their	2016-2018	DST-Kothari	17.00			



	composites as functional nanostructured materials for soft electronics	(3 Years)	PDF	
27.	Development of a magnetic field sensor based on multiferroic laminar composite	2016-2018 (3 Years)	DST-Kothari PDF	17.00
28.	Poly(lactic acid) nanocomposites for packaging applications	2015-2018 (3 Years)	DST-Kothari PDF	17.86
29.	Development of ZnO based solar cells sensitized by dyes and biological molecules	2015-2018 (2 years)	DST-Kothari PDF	20.00
30.	Polymer Quantum Dot aptamer hybrid conjugate for hepatocellular carcinoma cell imaging application	2015-2017 (2 years)	KSCSTE - PDF	9.44
31.	Size dependent antimicrobial activity and mode of action of nanoparticles emphasized with Ag nanoparticles against multiple drug resistant pathogens	2015-2018 (3 Years)	DST-Kothari PDF	20.16
32.	Novel thermoplastic elastomer composition for neutron shielding applications	2015 – 2017 (2 Years)	DAE, BRNS	34.66
33.	Engineering biopolymeric twin skip patch (tsp) matrices for wound healing applications	2015-2018 (3 Years)	DST-Kothari PDF	17.00
34.	Hybrid nanocomposites of natural rubber/chlorobutyl rubber blends for automotive inner liners and inner tubes	2014-2016 (3 Years)	DST-Kothari PDF	18.20
35.	Engineering of nano- structured high performance epoxy/liquid	2014 – 2017 (3 Years)	CSIR	14.92

	rubber blends with controlled nanoparticle localisation			
36.	Development of super tough Thermoset from self- assembled nanostructured block copolymer/epoxy resin blends	2014 – 2017 (3 Years)	DRDO	29.62
37.	Miscibility, morphology and properties of NR/SBR and BR based binary and ternary rubber blends and the influence of carbon black and silica filler distribution on blend properties	2014 – 2017 (2.5Years)	MRF	3.00
38.	Design and applications of magnetically responsive self-assembled polymer nanocomposites	2016-2019 (3 Years)	DST Nano Mission	200.00
39.	Physics of Cavitation Bubbling and Hydrogen Generation during Liquid Phase Laser Ablation	(2015- 2017 Years)	BRFST-BRNS	34.96
40.	Development of one- dimensional multi-ferroic nanocomposites for device applications	2015 - 2017	KSCSTE	10.00
41.	AuNP/LDH core shell nanoparticles a novel multifunctional candidate for gene delivery	2016-2018 (2 Years)	KSCSTE	15.00
42.	Plant Lipids India Ltd	2016-2017	India	3.50
43.	Studies on cellulose nanocrystals and their applications in nanocomposites with varying technological applications	2014 – 2017 (3 Years)	DST (Indo-Brazil) International Bilateral co- operation	27.29
44.	Biobased scaffold, membrane and hydrogel for improved wound	2017-2019	International project-Swedish Research Links-	8

	I	ı	(T 1)	
	healing and bone		(Indian	
	regeneration (BIOHEAL)		Collaborator)-	
	(International)			
	anced Centre of Environmen ESSD)	tal Studies a	nd Sustainable Develo	pment
45.	Polyelectrolyte multilayer membrane for the treatment of paper mill effluent		KSCSTE, Govt. of Kerala	26.00
46.	Nano skinned coir matrix for the removal of biological contaminants from water	2016-2019	DST	31.09
47.	Nanofiber structure for efficient immobilization in membrane application	2016-2020	Technical University of Denmark	4.26 (per year)
Inter	University Centre for Biom	edical Resear	rch & Super Specialty	Hospital
48.	Association of Monoamine Transporter Genes with Autism: Special Reference to Equilibrative Nucleoside Transporter 4 (ENT4 or SLC29A4) and Vesicular Monoamine Transporter-2 (VMAT-2 or SLC18A2) genes	3 Years, Feb 2015 - Jan 2018	Indian Council of Medical Research (ICMR), Govt. of India	27.70
Inter	University Centre for Socia	l Science Res	earch and Extensionl	UCSSRE
49.	Writing Dalit lives: Anthology of Women's Voices from Kerala		ICSSR, New Delhi	7.5
50.	Trans-formation of Land and Landscapes of Kerala: Locality Studies		Higher Education Council, GoK	75
51.	Women's Struggle: A Documentation of Feminist Movement in Kerala		Higher Education Council, GoK	13

52.	Traditional Healing in a 'Modern Society: A Study on Policy, Practices and Pedagogy of Selected Healing Traditions in Kerala Human Ecological Studies		Higher Education Council, GoK Higher Education	
	Of Indigenous Communities in the Southern Western Ghats		Council, GoK	
Adva	nnced Molecular Materials R	esearch Cen	tre AMMRC	
54.	"Propellant Burn rate modifiers (PI: Prof. Suresh Mathew, Co-PI: Dr. P. Radhakrishnan Nair)	2016-18	ISRO	19.20
55.	"Study of fundamental Chemical and Physical properties of magnetic ionic liquid nanofluids". collaboration with Department of Physics, Rzeszow University of Technology, Poland (PI: Prof. Suresh Mathew)	2015-17	DST, Govt. of India & (funding agency in poland)	5.10
KN.	Raj Centre for Planning and	Centre-State	e Relations (KNRC)	
56.	WTO, Public Health and South Asia: A study with particular reference to India	2016-2018	UGC major project	8.89
57.	Business Innovation and student start up	2016-2017	Govt. of Kerala	100
58.	Conducting Training programmes	2016-17	Collaboration with Gulati Institute of Finance and Taxation, Trivandrum;	Collaborativ e projects
		Total	Rs.1679.03 lakhs	



3.2.4 Does the university have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agencyand grants received.

Industry Linked projects:

Sl.No.	Project Title	Period	Funding agencies	Total Fund Rs. In lakhs
	School of Bi	osciences		
	Molecular mechanism of antidiabetic activity of <i>Costus pictus</i> . Under Industry linked Biotechnology programme, (Sanctioned by Kerala Biotechnology Commission, Kerala.	2014-2017	Industry Partner-Arjuna Natural Extracts, Alwaye;	19.00
	School of Chemical	Sciences (SC	S)	
1.	Nanofillers in Polymeric systems	2010-11	General cables, USA	1.5
	School of Tour	ism Studies		
2.	Project for Mango Languages	2011 – 12	Mango Languages, USA	0.75
Interna	tional and Inter University Centro	e for Nanoscie	ence and Nanotech	nology
3.	Miscibility, morphology and properties of NR/SBR and BR based binary and ternary rubber blends and the influence of carbon black and silica filler distribution on blend properties	2014 – 2017 (2.5Years)	MRF	3.00
4.	Plasma modification of polymers	2010-2012	Surface treat, Czech republic	5.00
5.	Curcumin nanocomposite for biomedical applications	2016-2017	Plant Lipids India Ltd. Ernakulum, India	3.50
	Total		Rs.32.75 lak	ths



3.2.5. How many Departments/School of the university have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any twosignificant outcomes or breakthroughs achieved by this recognition.

Sl. No.	Title of the Project	Duratio n	Funding Agency	Grant Received (Rs. In Lakhs)
		School of B	iosciences	
	SARD Programme	(2014- 2017)	KSCSTE	22 .00
	DST PURSE	2 nd Phase	DST	225.00
	DST FIST	1 level	DST	130.00
	Boost to University Interdisciplinary Life Science Departments For Education And Research (BUILDER)	2012	BT/PR4800/INF/22/152/ 2012 DBT	450.00
	School of Chemical Sciences (SCS)			
	UGC XI and XII Plan funds	2010- 2016	UGC	40.00
	DST FIST	2012- 2016	DST	175 .00
	State Annual Plan Fund	2010- 2016	Govt of Kerala	74.00
	UGC SAP	2012- 2016	UGC	75.00
	DST PURSE	2 nd Phase	DST	225.00
	School	of Environ	mental Sciences	
	To strengthen the post-graduate teaching and research facilities in the Environmental Chemistry area	2012- 2017	DST	85.00
	L.C/M.S,Petrological Microscope FIST		DST	90.00



Investigation of the intermediates and final products of chemical and	2012-	KSCSTE- SARD, Govt.	29,00
biological treatment of contaminated water and solid wastes	2014	of Kerala	
Infrastructure development for science departments	2012	DST-PURSE	225.00
Infrastructure development	2012	DoECC	5.00
DST PURSE	2 nd Phase	DST	225.00
Obama Singh 21 st Century Knowledge Initiative	2012- 2015	UGC	62.5
School of Gandhian Thought And Development Studies			S
UGC – SAP		UGC – SAP	24. 00
ICSSR		ICSSR	16.00
UGC		UGC	12.00
School of In	ternational	Relations and Politics	
MA Public Policy and Governance	2010-15	UGC	21.00
School of M	Ianagement	and Business Studies	
Towards Infrastructure		UGC	15.00
School of P	ure And Ap	oplied Physics (SPAP	
DST–FIST To strengthen the post graduate, teaching and research facility in the department	2010-15	DST	40.00
UGCSAPDRS PhaseI	2009-14	UGC	62.40
UGCSAPDRS PhaseII	2016-21	UGC	103.00
DST PURSE	2 nd Phase	DST	225.00



School of Ph	ysical Educ	ation & SportsSciences	
Sports Hostel		UGC	200.00
Swimming Pool		UGC	225.00
Tennis Court		UGC	25.00
Purchase of Sports Equipment		UGC	25.00
Sports Laboratory		UGC	25.00
Sc	hool of Tou	rism Studies	
State Annual Plan Fund	2015- 2016	Govt of Kerala	200.00
Research project	2016- 2018	ICSSR	8.00
International and Inter Univ	ersity Centr	e for Nanoscience and Na	notechnology
Nanoscale Materials for water purification and fabrication of nano composites for Biomedical application	2016- 2019 (3 Years)	Govt. of Kerala Plan fund 2015-16	100.00
University-Industry Collaboration and Development of New Technologies	2015- 2017	Govt. of Kerala Plan fund 2015-16	40.00
Online course on Introduction to Nanoscience and Nanotechnology	2015- 2017	Govt. of Kerala Plan fund 2015-16	50.00
Visvesvaraya PhD Scheme for Electronics and IT	2015- 2020 (5 Years)	MeitY	89.77
KSCSTE under SARD Project	2010- 2013	KSCSTE	30.00
Inter University Centre for	Biomedical	Research & Super Specia	lty Hospital
Drugs from Ayurveda herbs		DBT	20.00
Inter Univers	ity Instrum	entation Centre (IUIC)	
National Centre (Sophisticated Analytical Instrument Facility- SAIF)	2015	DST	650

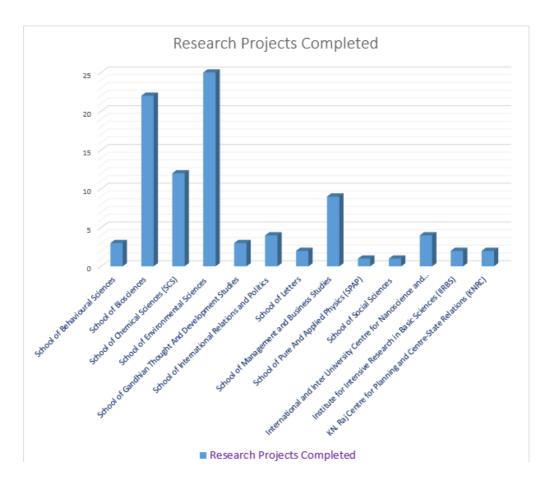
Institute for (Contemporar	y Chinese Studies (ICCS)	
Kerala Government		Kerala Government	25.00
UGC		UGC	25.00
Institute for Inte	nsive Resear	ch in Basic Sciences (IIRB	S)
KSCSTE under SARD Project	.2014	KCSTE under SARD Project Order No.524/2014/KCSTE dated 04.10.2014	30.00
KN. Raj Centre for I	Planning and	Centre-State Relations (K	NRC)
ICSSR, Delhi	2015	ICSSR for holding national seminar	2.50
Institute of Parliamentary studies	2015	For conducting symposium on GST	1.00
Total		Rs. 4427.17 lal	khs

The recognition received from external agencies has helped the university to come up with significant contributions in the higher education sector in the form of patents, high impact publications etc. The alumni of the University hold prominent positions in academia, research and industrial organisations and serve the society in different capacities in India and abroad.



3.2.6 List details of

a. Research projects completed and grants received during the last six years (funded by National/International agencies).



Sl. No	Title of the Project	Period	Funding agencies	Total Fund (Rs in Lakhs)
		School of Behavioural Science	es	
1.	High School Students with Dyslexia (Dr. Rajeevkumar N)	2013-15 (18 months)	ICSSR – New Delhi	4.00
2.	Exclusive tendency in Inclusive Education (Dr. K.Muhamad Mustaffa)	(2014-15)	Sarva Siksha Abhiyan, Kerala.	1.20
3.	Effectiveness of orientation	2014-15 (12 months)	ICSSR – New Delhi	5.00



	1 2		T	<u> </u>
	programme for			
	teachers in the			
	management of behavioural			
	problems			
	*			
	(M.S. Razeena			
	Padmam)			
	T	School of Biosciences	Γ	ı
4.	Barcoding and genetic diversity analysis of Clarias spp of Kerala	(2012-2015)	KSCSTE,	14.7
5.	Production of phytoecdysteroids from the callus cultures of Achyranthes aspera	(2012-2015)	UGC	12.6
6.	Safety Evaluation of the process of Chlorination in drinking water system with specific reference to Chlorination derived By-products	(2012-2014)	UGC	9.6
7.	Acetyl Homoserine Lactone based quorum sensing and its biotechnological applications	(2012-2015)	KSCSTE	16.5
8.	Studies on immunomodulatory effects of Acacia catechu	(2012-2015)	UGC	11.1
9.	Molecular Exploration of Spice Associated Bacteria for Bioacitve metabolites and PKS-NRPS genes Acacia catechu	(2011-2014),	DBT	15
10.	Molecular Studies on Biofilm formation in Coagulase Negative Staphylococci	(2011-2014)	ICMR	22
11.	Studies on molecular and chemical basis of plant growth	(2015-2018)	KSCSTE,	25

	promoting and antiphytopathogenic properties of rhizosphere microorganisms			
12.	Evaluation of the protective effect of omega-3 fatty acid against arsenic trioxide induced cardiac toxicity in cancer therapy.Funding	(2011-2014),	UGC	9.48
13.	Molecular Basis of Sodium Dodecyl Sulphate (SDS) Bioremediation & Bioreactor Designing	2011-2015	KSCSTE	13.5
14.	Characterization of endophyticdiazotrop hic bacteria from rice (Oryzasativa) and assessment of their potential biocontrol of rice sheath blight disease	F. No. 41-1169/2012 2011-2015	UGC	13.9
15.	Production, Purification and Characterization of antagonistic principles of Potential Aquaculture probiotics	(2010-2013)	UGC	10.78
16.	Exploration of honey bee gut microbiota for industrial and therapeutic applications	(SB/EMEQ-137/2013)	DST-SERB	30. 3
17.	In vitro studies on inhibition of eicosanoid metabolism for control of arthritis by extracts of stem of Tinosporacordifolia	BT/PR14926/PBD/17/720/20 10	DBT	21.17
18.	Evaluation of methanolic extracts Elephantopusscaber for inhibitors of	015/SRSLS/2010/CSTE	KSCSTE	17



	5-lipoxygenase (5-LOX) and cyclooxygenase-2 (COX-2)			
19.	Nattokinase- fibrinolytic and antihypertensive enzymes from novel bacterial isolates	03/YIPB/KBC/2012/CSTE	KSCSTE	4.73
20.	Chemotactic response of human Phagocytic cells (Polymorphonuclear leukocytes and monocytes) in tuberculosis patients	37-599/2009 (SR).	UGC	1.84
21.	Endomycorrhizal Studies in Musa Sp of South India	(2012-2015)	UGC	13.5
22.	Collection, identification and screening of green algae from bloomed water bodies of Kerala for quality and quantity of lipids	002/SRS/RCSE-24- 2015/CSTE	KCSTE	27
23.	Protective effect of Elephantopusscaber Linn. A traditional medicinal plant on hepatic fibrosis and hepatocellular carcinoma	(2009-2011)	KSCSTE	10.92
24.	Isolation, characterization and evaluation of in vitro anticancer and antioxidant activities of polyphenols from kernel and oil from coconut	1345/2011-TMOC	Coconut Development Board, Ministry of Agriculture, Govt. of India	30.8
25.	Molecular mechanism of antidiabetic activity of Costuspictus	025/IBRS/KBC/2013	KSCSTE	19 .00
26.	Molecular mechanism of hepato protective activity of Aervalanata	006/SRSLS/2013/CSTE	KSCSTE	10.78



		School of Chemical Sciences (S	CS)	
27.	Development of high performance butyl rubber nano composites for barrier application	2007-2011	DST	39.94
28.	Development of Thermoplastic Vulcanizates (TPVs) from Natural Rubber and polypropylene Blends for the Fabrication of Automotive Parts and shoe Soles	2009-2012	KSCSTE.	14.70
29.	Synthesis And Applications of Star Block Copolymers, Dendrimers And Star Gel Containing Biocompatible Block	2007-2011	Council of Scientific & Industrial Research	14.00
30.	Tuning the properties of stimuli sensitive copolymers- A step towards purification of water	2009-2012	SERC,DST	28.35
31.	Development of biodegradable dual porous polymer nanocomposite scaffold	2008-2011	DBT, New Delhi	58.59
32.	Carbon nanotube filled natural rubber nanocomposites.	2010-2013	UGC-DAE	4.00
33.	Development of high performance rubber modified epoxy resin/clay nanocomposites	2008-2011	UGC,New Delhi	8.89
34.	Acetic Anhydride Mediated Cyclodehydration of Various N- Substituted Maleamic Acids to Form Maleimido Derivatives – A Computational Study	2012-2014	UGC, New Delhi ,	25.00



	Copper catalysed C-			
35.	C, C-O and C-S bond formations using N and O containing bidentate ligands.	2013-2016	KSCSTE	15.85
36.	High permoance polymer blend from epoxy resin and PTT for aerospace application	2009-20012	DRDO	25.3
37.	Indo-Poland Collaborative Research Project,	2013-2016	DST, New Delhi	5.42
38.	Hierarchial biocomposites from Isora fibres and unsaturated polyester	2014-2016	DST-Austria	15.00
39.	Nano fillers in Polymeric systems	2010-11	General cables, USA	1.5
		School of Environmental Scien	ces	
40.	National Vegetation Carbon Pool – Kerala Region	2011-2013	ISRO	4.50
41.	Mercury geochemistry in agricultural wetland ecosystem	2012-2015	DST-SERB	25.87
42.	Mercury pollution in the sediments of Vembanad Wetland: a chronological approach	2012-2016	UGC	2.85
43.	Chemical transformation and bioaccumulation of Mercury in the Vembanad wetland ecosystem	2008-2012	MoES	65.00
44.	Accumulation of Mercury and Cadmium in Benthic Food Web of Cochin Estuary - a Stable Isotope Approach	2012-2015	KSCSTE, Govt. of Kerala	10.85

45.	Minor Project :Impact of Climate Change on the Mercury Geochemistry in a Tropical Wetland Ecosystem	2012	DoECC, Govt. of Kerala	0.38
46.	Minor Project :Geochemistry of selected heavy metals in Kuttanad agricultural wetland ecosystem	2013	DoECC, Govt. of Kerala	0.58
47.	Evolution of Karamana river basin and its implications on hydrogeology: A geomatics approach using morphometric analysis	2013-2016	KSCSTE-BTL, Govt. of Kerala	15.96
48.	Pulse radiolysis of biomolecules	2010-2012	Indo-French ARCUS Project	25.00
49.	Radiation and photochemical studies of chitosan modified polycyclicaromatic hydrocarbons (Environmental Pollutants)	2009-2012	BRNS	15.00
50.	Sonochemical degradation of organic water pollutants	2012-2015	KSCSTE	14.2
51.	An investigation on the potential microalgal species for the production of biodiesel from Kuttanad wetland ecosystem, Kerala.	2012-2015	UGC	5.49
52.	Nationwide Environmental Gamma Radiation Monitoring Using TLDs	2014-2016	BRNS	10
53.	lytoremediation of Wastewater Contaminated With	2012	DOECC, Govt. of Kerala	0.5



	Heavy Metals using Constructed Wetlands and Nutrient Film Technique (NFT)			
54.	Household consumption pattern of selected resources in Ernakulam and Kottayam districts - A comparative assessment	2012	DOECC, Govt. of Kerala	0.35
55.	and Manure from solid waste : a step towards mitigation of Climate Change	2012	DOECC, Govt. of Kerala	0.6
56.	Carbon sequestration potential of selected Earthworm species	2013	DOECC, Govt. of Kerala	0.6
57.	Estimation of Greenhouse Gas Emission from Wetlands and Paddy fields	2013	DOECC, Govt. of Kerala	0.6
58.	Greenhouse Gas Emission from septic tanks : a preliminary assessment	2013	DOECC, Govt. of Kerala	0.6
59.	Enzymatic saccharification of water hyacinth for the production of Bioethanol: An utilization approach for the control	2013	DOECC, Govt. of Kerala	0.6
60.	Rhizosphere remediation of agro pollutants; An investigation from Kuttanad wetland ecosystem, Kerala	2013	DOECC, Govt. of Kerala	0.6
61.	Mercury Geochemistry in the Sediments of Kongsfjorden, Ny-Alesund, Arctic	2013-2015	ESSO-NCAOR, MoES	Logistic support

62.	Development of Self-contained, PV powered domestic toilet and waste water treatment system.	2014-2015	California Institute of Technology, USA	11.4
63.	Microbial Fuel Cells	2014	University of West of England (UWE), Bristol, UK	Nil.
64.	An Interdisciplinary and Community Oriented Innovative Approach Towards Sustainable Development	2012-2015	UGC / Obama- Singh 21 st century knowledge initiative/ with Brown University, Duke University and Plymouth State University	62.5
65.	Pulse radiolysis of biomolecules	2010-2012	Indo-French ARCUS Project	25
	School of C	Gandhian Thought And Develo	pment Studies	
66.	"Vulnerability of Elderly Widows in Kerala" (Dr.Sandhya R S)	2011-12	UGC	7.27
67.	Impact of Public Policy and Rural Re-construction: An Analysis of Gandhian Approach (Dr. D. Nirmala Devi)	2012-14	UGC	5.66
68.	"Human Rights & Tribal Development: A Comparative study on the Malaipandaram Tribes in Pathanamthitta and Kollam Districts in Kerala" (Smt. Manjusha KA)	2015-16	ICSSR	20.00
	Schoo	l of International Relations an	d Politics	
69.	Terrorism and Nuclear deterrence in South Asia: A Study on the Issues and Challenges in	2010-12	ICSSR	3.93

	T = T				
	India's National Security Strategy				
70.	Major Research Project on "Statelessness, Citizenship and Human Security: A Study on the Repatriated Tamils in Kerala"	20	011-13	ICSSR	5.26
71.	Promoting India Study Programme in Mahatma Gandhi University	20	014-15	Kerala State Higher Education Council	9.78
72.	WTO, TRIPS and South Asia	2	014-	UGC	8.70
		Schoo	ol of Letters		
73.	Creation of a web portal about Changampuzha Krishna Pillai			UGC	9.44
74.	The politics of power engendered by the new generation media in the language and culture of Kerala			UGC	7.89
	Schoo	ol of Managen	nent and Busines	s Studies	
75.	A study on the marketing strategies adopted by small scale industries in Ettumannur.	2012,	6 months	UGC	0.15
76.	"Challenges And Opportunities In Back Water Tourism: A Case Study"., 2010-2012	2012,	6 months	UGC	0.15
77.	Loan Portfolio of SHGs in Kerala	2012,	6 months	UGC	0.15
78.	A study on the entrepreneurial behavior of Kudumbashree units in Ettumannur Grama Panchayat	2012,	6 months	UGC	0.15

79.	Utilization of internet and IT tools in the management of higher educational institutions.	2012, 6 months	UGC	0.15		
80.	A Study on the working of Fisheries Cooperative Society in Kerala	2011-13	UGC	5.00		
81.	Financial sustainability of SHG in Kerala	2011	UGC	1.00		
82.	Minor Research Project on "Moving Object Databases	2011	UGC	1.00		
83.	"Sustainable Tourism: A Case Study On Kumarakom, Kerala"	2011	UGC	1.00		
	School	ol of Pure And Applied Physics	(SPAP)			
84.	Sol-GelSynthesis and characterization of tellurite based device materials	2012-2015	UGC-CSIR	15.42		
85.	Dr Nandakumar Kalarikkal Dynamics of Plasma plume evolution during laser ablation of metal targets in stationary and flowing liquid media	2012-2015	DST	40.0		
	School of Social Sciences					
86.	"Unfavorable Inclusion of Dalits in Higher Education: A Study on the Linkages of Colonies, Schools and Colleges in Kerala"	2014-15	Kerala State Higher Education Council, Government of Kerala	1 .00		



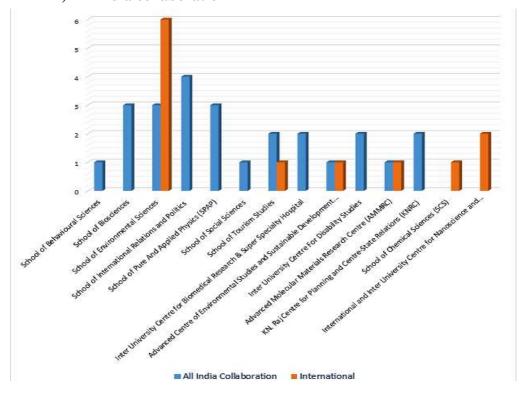
		School of Tourism Studies		
87.	Social Media as an influencer among foreign tourists visiting India	2014 – 15	Indian Institute of Tourism and Travel Management	1.00
Inter	rnational and Inter Uni	versity Centre for Nanoscience	and Nanotechnology	7
88.	Development of multi walled carbon nanotube filled polycarbonate/ polypropylene double percolating conductive polymer blend nanocomposites for electromagnetic interference shielding Gaskets for mobile phones	2012-2015	MeitY	41.82
89.	Development of engineered nanostructured materials for high performance application	2010-2013	DST Nano Mission	524.06
90.	High performance nylon clay nanocomposites for dental applications	2011-2014	ICMR	25.00
91.	Plasma modification of polymers	2010-2012	Surface treat, Czech Republic	5.00
92.	Development of nanocomposites for aerospace defense and automotive applications, ,	2011 – 2014	SARD – KSCSTE	29.60
	Institute for	Intensive Research in Basic So	ciences (IIRBS)	
93.	Synthesis of few Medicinally Important Chiral Molecules Derived from Renewable Resources	2012-15	DST, Govt. of India, Project No.SR/S1/OC- 98/2012–dated 07.03.2013	55
94.	Ex-chiral pool synthesis towards few molecules of Anticancer & Anti- tuberculosis Likeness	2012-15	CSIR Project No.02(0101)/12/E MR – II dated 31.102012	30



	KN. Raj Centre for Planning and Centre-State Relations (KNRC)					
95.	Free Trade Agreement and Agrarian Economy of India: A study with special reference to Kerala	2010-2012	UGC major project	7		
96.	Role of Institutions in the development of Plantation Agriculture. A study of Rubber producers' societies in India	2014	Centre for Development Studies	0.75		
97.	Asset Management in Local Governments	2015-16	World Bank/ Decentralisation and Analysis Cell , Govt. of Kerala	2. 50		
	Т	Rs. 1821.35 la	ıkhs			

b. Inter-institutional collaborative projects and grants received:

i) All India collaboration





Sl. No.	Project Title	Period	Funding agencies	Total Fund Rs in Lakhs
	School of Behav	ioural Sc	iences	
1.	GFATM Project - SAKSHAM (The Global Fund to Fight AIDS, Tuberculosis and Malaria, Round 7, HIV/AIDS Counselling Programme)	2009- 14	WHO programme funded through Tata Institute of Social Sciences (TISS), Mumbai	93.12
	School of B	Sioscience	s	
2.	Boost to University Interdisciplinary Life Science Departments For Education And Research (BUILDER)	2012	BT/PR4800/INF/22/ 152/2012 DBT	450.00
3.	Molecular mechanism of antidiabetic activity of Costuspictu (No. 025/IBRS/KBC/2013 Dated. 11.11.2013)	2013	Kerala Biotechnology Commission- KSCSTE- Industry Partner-Arjuna Natural Extracts.	19.00
4.	Health promoting capabilities of potential probiotic strains isolated from infant gut microflora	2016	ICMR (Collobarative with Dr. Sabu Thomas, Scientist E II as CO- PI, Rajiv Gandhi Centre for Biotechnology)	25.00
	School of Environ	nmental S	ciences	
5.	DAE-IUC	2010- 12	Heavy ion induced modification of DNA and its components	3.5
6.	National Vegetation Carbon Pool – Kerala Region	2011- 2013	IIRS, ISRO	4.5
7.	Nationwide Environmental Gamma Radiation Monitoring Using TLDs (A National Mission programme)	2014- 2016	BRNS	10.00

8.	Investigation of the spatial distribution of uranium and associated water quality parameters in five central districts of Kerala	2015 onwar ds	BRNS	22.92
	School of International	Relation	s and Politics	
9.	Paddy Culture in Kuttanad, Kerala: Folk Traditions, Rituals and Festivals	2012- 14	Indira Gandhi International Centre for the Arts	4.30
10.	MGNREGS Assessment Evaluation Study- Eranakulam District.	2013- 15	State Institute of Rural Development	5.40
11.	MGNREGS Assessment Evaluation Study- Pathanamthitta District.	2013- 15	State Institute of Rural Development	5.40
12.	MGNREGS Assessment Evaluation Study- Kollam District.	2013- 15	State Institute of Rural Development	5.40
	School of Management	t and Bus	siness Studies	
13.	Student development programme	2013- 16	MDI, GURUGAON	Nil
	School of Pure and Ap	plied Phy	ysics (SPAP)	
14.	Nationalpooledfundsutilizedforthe promotionofteaching& research in Astronomy & Astrophysics		MoU with (IUCAA,Pune)	Nil
15.	Nationalpooledfundsutilizedforsci encedevelopmentforthe SquareKilometerArray		MoU with Square Kilometer Array India Consortium	Nil
16.	National pooled fundingby India TMT (ThirtyMeter Telescope)		InternationalScience Development Team for MilkyWay&Nearby Galaxies	Nil
	School of Soc	cial Scien	ces	
17.	Evaluation of Ecodevelopment Programme at Periyar Tiger	Periyar Found	2.Years	6.20

	Reserve), (From March, 2009	ation,		
	April, 2011)	Periyar		
	71, 2011)	Thekk		
		ady.		
	Cahaal of Tay		d:aa	
	School of Tou	irism Stu	dies	
18.	"Social Media as an influencer among foreign tourists visiting India"	2014- 16	Indian Institute of Tourism and Travel Management and Ministry of Tourism, Govt. of India	1.00
19.	Discover Kottayam	2014- 16	District Tourism Promotion Council (DTPC), Kottayam	1.66
In	ter University Centre for Biomedical	l Researc	h & Super Specialty H	ospital
20.	IUCBR and Bangur Institute of Neurology, Kolkata		Bangur Institute of Neurology, Kolkata	44.00
21.	IUCBR and Manovikas Kendra, Kolkata -		Manovikas Kendra, Kolkata	84.70
	Inter University Centre	For Disa	bility Studies	
22.	Empowerment of Persons with Disabilities (PWDs) through Community Integration"		Santhigiri Rehabilitation Institute, Vazhithala P.O, Thodupuzha- 685583	
23.	"Skill development training programme to the persons with disabilities"		Theeradesa Raksha Social Welfare Society (TRSWS), Reg. No. 566/2001, Sidco building, Beach Road, West Hill P.O, Calicut- 673005.	2.00



	Advanced Molecular Materials Research Centre (AMMRC)					
24.	"Propellant Burn rate modifiers (PI: Prof. Suresh Mathew, Co-PI: Dr. P. Radhakrishnan Nair)	2016- 18	ISRO	19.20		
	KN. Raj Centre for Planning and	Centre-S	State Relations (KNRC	C)		
25.	Conducting Training programmes Participation in training programmes	2016- 17 2015- 16	Collaboration with Gulati Institute of Finance and Taxation, Trivandrum; Institute for Studies in Industrial Development, New Delhi	Collabo rative projects		
	Total	Rs. 806.08 lak	hs			

ii) International (12 nos)

	School of Chemical Sciences (SCS)					
1.	Hierarchial biocomposites from Isora fibres and unsaturated polyester	2014- 2016	DST-Austria	15 .00		
2.	"Study of Fundamental Chemical and Physical Properties of Magnetic Ionic Liquid Nanofluids"	2013 onwards	Indo-Poland Collaborative Research Project- Department of Science & Technology, New Delhi	5.42		
	School of I	Environmen	tal Sciences			
3.	Long - Term Monitoring of Kongsfjorden System of Arctic region for climate change studies	2015- 2016	ESSO-NCAOR, MoES	Logistic support		
4.	Long Term Environmental Monitoring of Fjord Ecosystems, Ny-Ålesund (Arctic)	2016- 2017	ESSO-NCAOR, MoES	Logistic support		



5.	Development of Self- contained, PV powered domestic toilet and waste water treatment system.	2014- 2015	California Institute of Technology, USA	11.4		
6.	Microbial Fuel Cells	2014	University of West of England (UWE),Bristol, UK	Nil.		
7.	An Interdisciplinary and Community Oriented Innovative Approach Towards Sustainable Development	2012- 2015	UGC / Obama-Singh 21 st century knowledge initiative/ with Brown University, Duke University and Plymouth State University	62.5		
8.	Pulse radiolysis of biomolecules	2010- 2012	Indo-French ARCUS Project	25.00		
	School	of Tourism	Studies			
9.	Project for Mango Languages	2011 – 12	Mango Languages, USA	0.75		
Intern	International and Inter University Centre for Nanoscience and Nanotechnology					
10.	studies on celluos nano Crystals and there application in nano composite with varying technological applications	2014- 2015	India-Brazil collaboration	27.2935		
11.	Nano biomaterials water purification	2016-17	Researcher Links scheme offered within the Newton Fund, the British Council & Royal Society of Chemistry,London	5.00		
12.	Crosslinked polyethylene nanocomposite for cable insulating application	2016-17	University of Mara, Malaysia	3.00		
Ad	lvanced Centre of Environm	ental Studio (ACESSD)	-	oment		
13.	Nanofiber structures for efficient enzyme immobilization in membrane applications		Network project between Department of Energy Conversion and Storage, Technical University of Denmark (DTU) and Mahatma Gandhi University (MGU)	4.26		

Advanced Molecular Materials Research Centre (AMMRC)				
14.	"Study of fundamental Chemical and Physical properties of magnetic ionic liquid nanofluids". collaboration with Department of Physics, Rzeszow University of Technology, Poland (PI: Prof. Suresh Mathew)	2015-17	DST, Govt. of India & (funding agency in Poland)	5.10
		Total	Rs. 164.72 lakhs	
Total		Grand	Rs. 971.52 lakhs	

3.3 Research Facilities

3.3.1 What efforts have been made by the university to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

The internal quality assurance cell of the university periodically examined the important funding calls from DST, DBT, DRDO, UGC, etc and same was communicated to faculty members' in-order to submit research proposal to different funding agencies. This resulted in many funded projects from different funding agencies leading to excellent infrastructure at the campus. These include PURSE, SAIF, FIST, SARD, etc. Additionally university has separate budget allocation for infrastructure development at the schools and centres. Details are presented below.

A. (PURSE): (All Science Departments)

Amount Received: Rs. 1600 Lakhs

Common Facilities set-up from this programme

- 1. LC-Q-ToF-MS (Liquid chromatography Quadrupole Time-of-Flight Mass spectrometer)
- 2. High pressure thin layer chromatography (HPTLC)
- 3. Ellipsometer
- 4. Rheocord Mixer/Extruder
- 5. Single Crystal XRD
- 6. Inductively Coupled Plasma- Mass spectrometer (ICP-MS) with Microwave Digester



Details of Sophisticated Analytical Instrumentation Facility (SAIF): (All Science Departments)

Amount Sanctioned by DST: Rs. 650 Lakhs

The major Instruments Sanctioned by DST are;

- 1. Field Emission Scanning Electron Microscope (FESEM)
- 2. Liquid Chromatography-Mass Spectrometer (LC-MS/MS)
- 3. Confocal Raman Spectrometer with AFM
- 4. Fluorescence Spectrometer with life time detector

Two equipment, 1) Confocal Raman Spectrometer with AFM and 2) Fluorescence Spectrometer with life time detector have been installed and are functional.

B. DBT BUILDER (School of Biosciences & Inter University Centre for Nanoscience & Nanotechnology:

Outlay or Rs 451.8814 Lakhs (Rupees Four Crore FiftyOne lakh Eighty Eight ThousandOne hundred and Forty only) for a period of 5 years (2012-17)

List of equipments purchased under DBT BUILDER Programme

Name of Instruments procured:CO₂ incubator with CO₂ cylinder, sterile aseptic system with pump, HPLC preparative, Ice flaker, dehumidifier, rt-pcr, ph meter, top loading balance, students microscope, image based cyctometer, table top centrifuge, gel documentation system, electrophoretic unit with western blot, water purification system, dynamic angle contact meter, class ii biosafety cabinet, multimode reader, ftir with atr, uv-2600 isr-2600 plus, inverted microscope with phase contrast and fluoescence attachments, laminar air flow, hot air oven, colony counter, bacteriological incubator, -80 deep freezer, hptlc, langerdorff perfusion system

In addition, a Small Animal Maintenance facility of 2335 Sq.ft has also been completed with financial support from DBT under the BUILDER Programme. An Animal Cell Culture facility is also available in the School of Biosciences.

C. FIST sanctioned in different Schools:

School of Pure & Applied Physics:

Name of the Equipment/Item procured: Network Facility - 2 Nos Servers and 16 Nos Computer, Matlab software, IMSL Software, High Temp Furnace, Centrifuge 2 nos, Water Distillation unit 3 Nos, Hot Air Oven, Furnace 2 Nos, Michelson Interfoerrometer, He Ne Laser, Sodium Vapor Lamp, Magnetic Hysteresis loop Tracer, Study of P N junction set up, Hall effect set up, Ultrasonic Interfferrometer, Dielectric Constant kit Solid, CRO 2 nos, DMM, DSO, Crystal Growth Set up 2 Nos, pH meter 4 Nos, Analytical Balance 3 Nos.

School of Environmental Sciences:

Name of the Equipment/Item procured: LC-MS (Shimadzu), Petrological Microscope, Computer Lab.

School of Chemical Sciences:

Name of the Equipment/Item procured: Raman Spectrometer,

Thermogravimetric Mass spectrometry

UGC (SAP, DRS) Sanctioned in different Schools/Centres

School of Chemical Sciences:

Name of the Equipment/Item procured:BET analyzer, Microwave reactor

School of Pure & Applied Physics

Name of the Equipment/Item: Spectrofluorimeter-Fluoromax 4 with life time measurementWorkstation 2 Nos., Differential Scanning Calorimeter (DSC)

D. SARD sanctioned in different Schools/Centres:

School of Environmental Sciences

Name of the Equipment/Item procured: GC-MS -TCD

School of Biosciences

Name of the Equipment/Item procured: Cold centrifuge, PCR Machine, Gel Doc, Biosafety cabinet

International & Inter University Centre for Nanoscience and Nanotechnology

Name of the Equipment/Item procured: Gas permeability tester, Freeze dryer

Inter University Instrumentation Centre:

Name of the Equipment procured: GCMS

Instruments acquired through funded projects:

Scanning Transmission, Electron Microscope, Transmission Electron Electrophoresis, Microscope, **Capillary** GC-MS, UV Visible Spectrophotometers, PCR Machines, Elisa Readers with Washer, -20 freezers, Dynamic Mechanical analyzer, Differential Scanning Calorimetry, Spectroflourimeter, Rheometer, Electrospinning, Themo Mechanical Analyzer, Impact Tester, Universal Testing Machine, Dielectri Spectroscopy, Vector analyzer, Falling weight impact tester, Rubber rheometer, Gas Permeability tester, Extruder, Brabender plastic code, Haake Mixer, FT-IR Compression Moulding, Lyophilizer, Pendulum impact tester, Hand press, HPLC with Mass detector, Laser sysytems, Sonicators, Homogenizers, Autoclaves, Carbondioxide incubators, Spin coaters, Coolong ultra centrifuge, Dip Coating, Pulse laser deposition, Z-Scan, Microtomes, Me coupling setup, Spin



coater, Inverted microscopes, Optical microscope, Autocatalytic unitIngenuity laboratory with University of Alberta

E. University Funded Facilities:

School of Physical Education and Sports Sciences

The Department has an advanced Sports Science Lab with equipments for Psychological, Physiological, anthropometric and Bio Mechanical studies. The facility is helpful in conducting various investigations in the respective field of knowledge more scientifically and accurately.

School of Tourism Studies

An SPSS Lab has been established in the School with support from the University.

School of Computer Sciences

The School has set up a dedicated Research Workstation in specialized computing areas under the plan proposal for the year 2015-16.

3.3.2 Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.

University Library has created a Website hosted in the domain of IT Mission for showcasing the important activities and events of the library. Various online journal archives/e-books purchased on perpetual access, e-resources including e-journals, e-books and databases purchased/subscribed and INFONET e-Journal consortium can be made available for access through library's website www.library.mgu.ac.in

Infonet Lab

Online reading facility is provided in the Infonet lab setup in two rooms. Besides Wi-Fi facility is provided for users with Laptop.

Electronic Theses and Dissertations (ETD) Lab

A Laboratory for Electronic Theses and Dissertations was setup in the Library with the financial assistance provided by the INFLIBNET Centre. Digitization and archiving of theses are carried out at this centre.

Electronic Lab for Visually Challenged

Electronic Lab for Visually Challenged has been set up in the library during October 2015 with an objective to provide reading facilities to blind and low vision library users. The lab has following equipments and software for catering to the specific requirements of the visually challenged persons. As part of providing service, the library started audio recording of books as per request from users who are visually impaired.

Reading Library for Blind and Low Vision

- 1. JAWS Talking software for the blind
- 2. MAGic screen magnification software without speech



- 3. MAGic large print keyboard
- 4. ZoomEx instant reader
- 5. Ruby hand held video magnifier
- 6. Flash desk top print magnifier

Talking book library

1. Angel pro talking Daisy Player-E book for the blind

Braille Book Library

- 1. Index Basic V-4 Braille Printer
- 2. Duxbury Braille Translation Software

Online Thesis:

Mahatma Gandhi University had launched the digital archive of Ph.D theses in the web on November 9, 2008. In this regard, the University stands top in many aspects among other Universities in India like the first to initiate digitization of Ph.D Theses, to sign MoU with INFLIBNET in submitting etheses in to the national repository 'Shodhganga' and to completely digitize all the available Ph.D theses awarded by the University.

A total number of 2238 Ph.D theses awarded by the University are digitally archived in the MGU Online Thesis Library (www.mgutheses.in). These are also uploaded in the Shodhganga, the online digital repository of PhD Theses developed by the INFLIBNET Centre. M.G.University is one among the topmost contributors of online theses to Shodhganga.

Online Information Services

- 1. Provides information services on demands from users.
- 2. Library has developed special tools such as Journal Article index (Index of journal articles which are unavailable through internet but available as hard copy in the Periodicals Section of the Library) and
- 3. Database on Kerala Studies for the promotion of Information services.
- 4. These special databases are searchable on open access mode in the library website.
- 5. These services are supplemented with full text document delivery.

Document Delivery Service and Inter Library Loan

The Library collects and issues journal articles and books on Inter Library Loan which are not available in its collection to the users based on their demand, mainly from DELNET(Developing Library Network), NEW Delhi and other resourceful R&D Institutions at National level.

Usage of UGC Infornet Digital Library Consortium

M.G.University is provided with access to UGC-INFONET e-Journal facility provided by the INFLIBNET to selected 199 Universities in India. As per the statistics, the University is placed in the 29th position as on 2013 and 27th



position as on 2014. The access to the facility has been extended to remote departments and Study centres of the university during February 2015.

Sl No	Name of Journal Database		Usage by Mahatma Gandhi University (No of articles downloaded)			
		Year 2012	Year 2013	Year 2014		
1	Science Direct	79476	75376	87957		
2	JSTOR	21250	28833	27809		
3	American Chemical Society	18662	18437	26728		
4	Wiley-Blackwell	13886	1313	19383		
5	Springer Link	10788	18064	17230		
6	Royal Society of Chemistry	5670	8517	9946		
7	Taylor and Francis	4771	6168	6822		
8	Institute of Physics	2990	3014	3480		
9	American Institute of Physics	1696	1749	3062		
10	Nature	1680	1182	3000		
11	APS	1598	953	2958		
12	Cambridge University Press	911	1012	1375		
13	Project Muse	814	1197	972		
14	Annual Reviews	513	562	909		
15	Portland Press	187	135	661		
16	Oxford University Press	152	229	8		
17	Project Euclid	4	2	4		
Total		165048	166743	212304		
RANK of M G University out of 199 universities under the UGC-INFONET Consortium		NA	29	27		



University Study Centres

There are four Study Centres under the control of University Library. The Study Centres are set up in the campus of affiliated colleges in various locations like Kottayam, Changanacherry, Palai and Thodupuzha. These centres provide reference to the library resources. As an innovative service, the centres are given remote access to all e-resources subscribed/purchased by the University Library including UGC-INFONET e-journal consortium facility through Hi-Tech connectivity. These Centres are intended for the use by the students, faculty and research scholars of affiliated colleges. At present academic community belonging to the college concerned as well as in nearby colleges use the centres. The Study Centres are functioning at various locations under the jurisdiction of the University like:

- 1. Study Centre, Kottayam situated in CMS College, Kottayam
- 2. Study Centre, Changanacherry situated in NSS College, Changanacherry
- 3. Study Centre, Pala situated in St Thomas College, Pala
- 4. Study Centre, Thodupuzha situated in Newman College, Thodupuzha.
- 3.3.3 Does the university have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?

Yes. Inter University Instrumentation Centre (IUIC): A joint venture of State Government and University: This facility for advanced instrumentation is available to all the researchers from the University as well as other Universities of Kerala including affiliated colleges (initial funding Rs. 225 Lakhs). The users are also from other parts of the country including industries.

The University has also set-up the Sophisticated Analytical Instrument Facility (SAIF) with the help of DST, New Delhi. The facility is open to all researchers from anywhere in India (Rs. 650 Lakhs)

3.3.4 Does the university provide residential facilities (with computer and internetfacilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

Yes. Hostel facilities are available for research scholars. Guest house accommodation is made available for summer fellows of various academies and visiting scientists (national/international). All research facilities in the University, including Library and instrumentation, are made available to them.



3.3.5 Does the university have a specialized research centre/ workstation on campus and off-campus to address the special challenges of research programmes?

Centre for High Performance Computing

High performance computing applications in Physics, Chemistry & Biology which helps the students and research scholars of the University to do computational work (for high computing, parallel computing and network computing). Adequate software support and computer facility are available in the centre.

3.3.6 Does the university have centres of national and international/recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

Yes. The university has one International and Interuniversity Centre for Nanoscience and Nanotechnology which offers interdisciplinary programmes like MS, M.Phil., Integrated MSc, Ph.D (IGPh.D), Ph.D.

The centre is equipped with many sophisticated instruments which have been procured through various projects funded by different agencies. The following instruments are available for performing high quality research in different areas of nanoscience and nanotechnology.

- 1. Atomic Force Microscope
- 2. Autoclave
- 3. Brabender
- 4. Carbon Dioxide Incubator
- 5. Compression Moulder
- 6. Cooling Centrifuge
- 7. Dielectric Measurement System
- 8. Differential Scanning Calorimeter
- 9. Dynamic Contact Angle Meter
- 10. Electrospinning Unit
- 11. High Resolution Transmission Electron Microscope
- 12. Laminar Air Flow System
- 13. Lyophilizer
- 14. ME Coupling Set up
- 15. Nd:YAG Laser

Plasma Ablation

Pulsed Laser Deposition



- 16. Z-Scan
- 17. Spin Coater
- 18. Ultrasonicators
- 19. UV-Visible-NIR Spectroscope
- 20. Vector Network Analyzer
- 21. X-ray Diffractometer

These facilities are being regularly used by researchers from other laboratories in India and abroad.

The university also has an Inter University Instrumentation Centre (IUIC) meant for sophisticated instrumentation in interdisciplinary areas involving Chemistry, Physics, Biology, Environmental Sciences and Nanoscience. The thrust areas of the centre are as follows:

- 1. Water pollution monitoring
- 2. Air pollution monitoring
- 3. Advanced oxidation processes
- 4. Environmental and biological application of mass spectrometry
- 5. Nanoscience and nanotechnology
- 6. Menbrane science and technology
- 7. Phytochemistry & Natural Product Research
- 8. Bioremediation
- 9. Environmental biotechnology
- 10. X-ray crystallography

Major ongoing research project: Setting up of a National Centre for Sophisticated instruments (Sophisticated Analytical Instrument Facility (SAIF-from DST for which Rs. 650 lakhs has been sanctioned.

The major Instruments sanctioned by DST are;

- 1. Field Emission Scanning Electron Microscope (FESEM)
- 2. Liquid Chromatography-Mass Spectrometer (LC-MS/MS)
- 3. Confocal Raman Spectrometer with AFM
- 4. Fluorescence Spectrometer with life time detector

Two equipment, 1) Confocal Raman Spectrometer with AFM and 2) Fluorescence Spectrometer with life time detector have been installed and are functional.

Advanced Centre of Environmental Studies and Sustainable Development (ACESSD)

The outstanding contributions of the Advanced Centre of Environmental



Studies and Sustainable Development in the field of environmental sciences has resulted in the award of the prestigious Obama-Singh 21st Century knowledge initiative grant for Indo-American collaboration in the field of higher education.

Interdisciplinary programmes and departments involved: Interdisciplinary Scientific Research involving Chemistry, Environmental Science, Forestry, Human Ecology, Social Sciences and Life Sciences

Research thrust areas as recognized by major funding agencies

- 1. Climate Change Studies
- 2. Green Chemistry and Technology
- 3. Pollution Studies and Management
- 4. Earthworm Studies
- 5. Human Ecology and Conservation
- 6. Biodiversity and Natural History
- 7. Sustainable Development
- 8. Biophysical studies on biomolecule-pollutant interaction

KSCSTE, Govt. of Kerala.has also granted research funds for the study of Polyelectrolyte multilayer membrane for the treatment of papermill effluent to the tune of Rs. 26 lakhs.

A financial assistance of Rs 31.09 Lakhs has been granted by DST for a project on nanoscaled coir matrix for the removal of biological contaminants from water.

ACESSED has also entered into a collaborative project with TechnicaUniversity of Denmark (Rs 4.26 Lakhs- year wise)

University also has the following inter university centres where excellent infrastructure facilities being generated. These facilities also given to from researchers from other laboratories

- Inter University Centre for Bio Medical Research & Super Speciality
- Inter University Centre for Disability Studies
- Inter University Centre for Social Science Research and Extension
- Inter University Centre for Studies in Science of Music

Inter School Centres

University Centre for International Co-operation (UCIC)

Functioning as a co-ordinating centre for admission and academic related activities of international students in various schools/departments/centres

Research thrust areas as recognized by major funding agencies

1. India Study Programme



- 2. Study Abroad Programme
- 3. International Faculty Interaction through Summer Schools and FDP
- 4. MOU & International Institution Membership

UCIC received a financial award of Rs. 10 Lakhs from Higher Education Council, Government of Kerala for promoting India Study Programme.UCIC received the grant of Rs. 25 lakhs from state government for various activities of the centre.

3.4 Research Publications and Awards

3.4.1 Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

School of International Relations and Politics

The School publishes two journals-Indian Journal of Politics and International Relations (ISSN; 0973-5011) and the South Asian Journal of Diplomacy (ISSN: 2229-3361). Both have an international editorial board including people of eminence like Immanuel Wallerstein, Prabhat Patnaik, Neera Chandhoke, James Petras etc. The articles are peer reviewed and the only best quality articles are eventually published. The first journal is a biannual while the second one is annual.

School of Pedagogical Studies

The School publishes a research journal in education named PEDAGOGICS. The Editorial Board comprises of the Editor who is the Director of the School, followed by an Associate Editor and two members who are also the Faculty of the School. The Patrons of the journal are the Vice-Chancellor of Mahatma Gandhi University, Dr. A. Sukumaran Nair, the former Vice -Chancellor of Mahatma Gandhi University and Dr. P. M. Jaleel, eminent educationist and the founder Director of the School.PEDAGOGICS is a peer reviewed academic journal with ISSN 2229-7618.

School of Computer Sciences

The School published an international journal titled *Mahatma Gandhi University International Journal on Computing and Communication* (MGU IJCC), December 2012. ISSN: 2318-8850.

The editor-in-chief is Prof. Dr. R. Vijayakumar and the Chief Patron is the Vice Chancellor. The editorial board comprises of internationally reputed scientists.



School of Letters

Haritham. The faculty constitutes the editionial board of the journal which publishes invited articles, creative writing and translations.

K.N Raj Study Centre for Planing and Centre-State Finacial Relations:

Journal of Political Economy and Fiscal Federalism (JPE &FF) ISSN: 2395-6976. The editorail board includes: Jagdish Bhagwati (Columbia University, USA) James Petras (Binghamton University, USA) Henry Giroux (MCMaster University, Canada) Eric Rahim (University of Strathclyde, UK) Prabhat Patnaik (Jawaharlal Nehru University, New Delhi)

E-Journal: The University publishes a research e-journal which is of interdisciplinary nature covering areas of Science and Social Sciences. Internationally reputed experts are placed as members of the Editorial board and the editor-in-chief is Dr. Siby Zacharias.

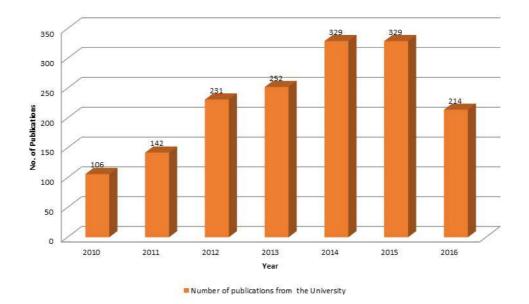
3.4.2 Give details of publications by the faculty:

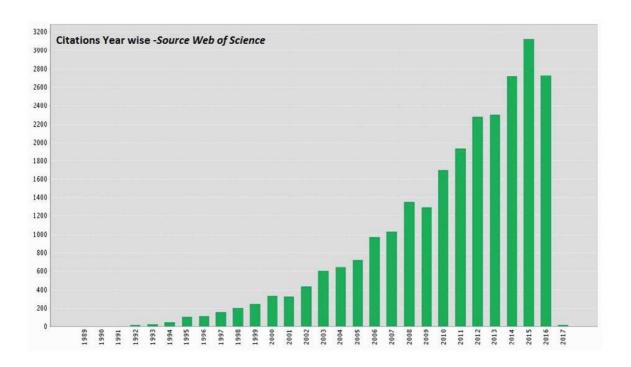
Name of School/ Department	Number of published i reviewed jo (national /inte	n peer ournals	Chapters in Books	Books edited	Books with ISBN with details of	Articles in popular publications	Confernce proceeings	Citation Index – average	SNIP	SJR	Impact Factor – range /	h- index
	International	National			publishers						average	
Behavioural Sciences	60	28	2	-	4	20	37					
Biosciences	220	17	18	1	1	-	88	11.39	-	-	1-4.38	2-13
Chemical Sciences	393		22	44	-	-	27	2958	-	-	0.5- 6.6	13.4
Computer Sciences	15	1	17	1	2	-	-	1-17/7	-	0.14- 0.24	1.6 to 2	2
Environmental Sciences	151	-	4	0	1	-	-	407	1.215	0.885	2.655	6-19
Gandhian Thought& Development Studies	15	22	2	1	1	1	-	-	-	-	-	-
Indian Legal Thought	1	29	-	-	-			-	-	-	-	-
International Relations& Politics	08	33	20	1	6	38		-	-	-	-	2-12
Letters	-	14	25	9	32	82	3	-	-	-	-	-

Management & Business Studies	14	48	64	-	-			-	-	-	-	-
Pedagogical Sciences	08	86	13	-	2	09		-	-	_	-	-
Physical Education & Sport Sciences	-	12	-	-	1		15	-	-	-	-	-
Pure & Applied Physics	220	02	9	6			6	360			0.37- 6.227	10
Social Sciences	-	09	18	1	9	16	26	-	-	-	-	
Tourism Studies	5	01	1	1	5	200	7	13	-	-		2
Department of Life long learning and extension		02			1		2					
IIUCNN	277	-	43	52			23	14318			1.5- 27.18	14-78
ACESSD	61	-	3	13	8		196	475			1-7	6-14
IUCBR	77		4									
IUCDS	-	14	02				11					
IUIC	307	-	3	13	8		100					
IUCSSRE	-	7	6		2							

AMMRC	10	-	-	-	-	-	-			
СНРС	16	-	-	-	-	-	5			
ICCS	-	17	9	4	4		15			
IIRBS	08		-	-	-	-	04			
KNRC	-	23	10	4	2	2				
NIPST	-	-	-	-	1		05			
University College of Engineering	26	-		-	-	-	10			
School of Technology and Applied Sciences	39	-	-	-	-	-	34			
School of Applied Life Sciences	07	-	-	-	-					
University College of Teacher Education	09	-	-	-	-					
Department of Library And Information Science	-	4	-	-	-	-	4			

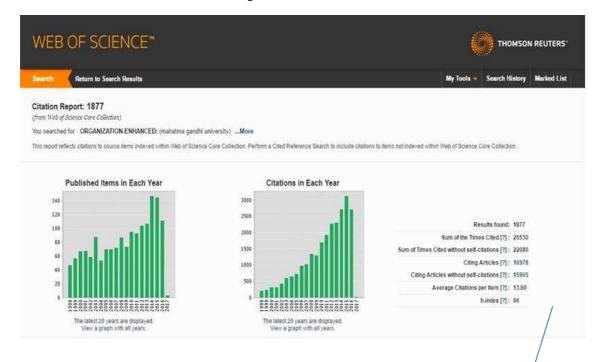








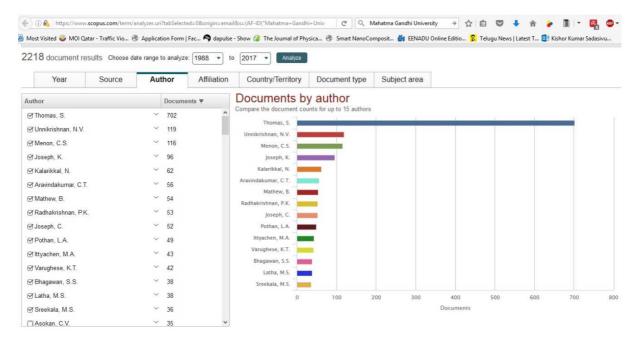
Citation Index of Papers (details from WEB of science)







WEB of Science Core Collection Citation Report



Document Counts of faculty (upto 15 Authors; details from WEB of science)

3.4.3 Give details of

a) Faculty serving on the editorial boards of National and International journals

	miei national Jour	
Sl. No	Name of Faculty	Details
	Dr. Sabu Thomas	Chief Editor
		Nano-Structures and Nano-Objects, Elsevier
		Editorial Boards:
		SM Journal of Nanotechnology and Nanomedicine
		Nano Advances
		Materials Science and Engineering
1.		International Journal of Advances In Engineering Research
		World Journal of Biotechnology
		Journal of Emerging Materials Technology
		Associate Editor, Bulletin of Materials Science
		 Regional Editor of the journal "Current Smart Materials".
		Editor in-Chief of Editorial Board-International Journal of Science World (IJSW)



		 Editorial Member-Flat Chem, Elsevier
		 Editorial Review Board Member-International Journal of Surface Enginering and Inter disciplinary Material Science.
		 Journal of Molecular and Applied Bioanalysis
2.	Dr. G Anil kumar	 Editorial board member, Universal Journal of Chemistry Editorial board of Horizon Research Publishing, USA
	Dr Suresh Mathew	 Editorial Board Member, Science Advanced Today Associate Editor, Science Letters Science of Advanced Materials (SAM) – Metal
3.		Oxide Nanostructures (2010 Special Edition) International Journal of Nanotechnology (Interscience) – ICAM-2008 (Special Edition) Reviewer of various journals of American
		Chemical Society, Elsevier, Pergamann Press, Springer and Cognizure
4.	Dr. P S Sukumaran,	 Member, Editorial board, Guru Journal of Behavioural and Social Sciences. ISSN:2320-9038
5.	Dr. Rajeev Kumar N	 Associate Editor, Guru Journal of Behavioural and Social Sciences, ISSN:2320-9038
6.	Dr. P.T Baburaj	• Editorial Board member, Culture Society and Law, ISSN: 2348-1250
7.	Dr. K. Muhammad Mustaffa	 Editorial Board Member – International Research Journal in Psychology – Psychologist in Social Action.
	Sri. Rajesh E	• Editorial board member, Medical Science:http://medicalscience.pubmedhouse.com/ Home.php
8.		 Editorial board memberInternational Journal of Physiology and Pharmacology: http://nepjol.info/index.php/IJPP
		 Editorial board member, Nepal Journal of Epidemiology: http://nepjol.info/index.php/NJE
		• Editorial board member, International Journal of Brain Research: http://nepjol.info/index.php/IJBR
9.	Dr .J.G. Ray, School of Biosciences	• Member of the Editorial Board of two international Journals:
۶.		Ecology and Noosphereology Journal of Soil Science
1.6	- v	
10.	Dr. Keerthi T.R	 Iranian Journal of Biotechnology



11.	Dr. Prakash Kumar B	 Journal of Practical Biochemistry and Biophysics
12.	Dr. E.K Radhakrishnan	 Journal of Food & Industrial Microbiology International Journal of Advanced Research and Review
13.	Dr. Bindu V.R.	 Member, Technical Advisory Committee, International Journal "Mahatma Gandhi University International Journal on Computing and Communication (MGU IJCC)", December 2012. ISSN: 2318-8850.
14.	Dr. Anuj Mohamed	 Member, Technical Advisory Committee, International Journal "Mahatma Gandhi University International Journal on Computing and Communication (MGU IJCC)", December 2012. ISSN: 2318-8850.
15.	Dr. R. Vijayakumar	 Editor, International Journal "Mahatma Gandhi University International Journal on Computing and Communication (MGU IJCC)", December 2012. ISSN: 2318-8850.
16.	Dr. C.T. Aravindakumar	• International Journal of Chemistry (ISSN: 2249-2119)
17.	Dr. M. S. John	Chief Editor – Gandhi Marg
18.	Dr. Sheeba Pillai	Journal of Law and Legal Jurisprudential Studies
19.	Dr Rajeesh A.P.	Journal of Law and Legal Jurisprudential Studies
20.	Dr. K M Krishnan	Journal of Chinmaya Research Foundation.
21.	Dr. Aju K N	• Journal of Association for Comparative Studies as well as on the Editorial Board of <i>Bhoomi Malayalam</i> , a journal published by UC College
22.	Dr. Johney Johnson	Member of Review Panel , Amity Journal of Management Research (AJMR) published by Amity University, Noida, India (2015-present)
23.	Dr. Celine Pereira	 Former Associate Editor of the Peer Reviewed Journal in Education of the School of Pedagogical Sciences, PEDAGOGICS having ISSN 2229-7618
24.	Dr. T.V. Thulasidharan	 Editorial Board Member of the journal of Farook Training College, ENDEAVOURS IN EDUCATION having ISSN 0976-4275
		 Editorial Board Member of the International Bi- Annual Peer Reviewed Journal in Education RESEARCH DEMAGOGUE
		• Former Associate Editor of the Peer Reviewed Journal in Education of the Institute of Advanced Studies in Education, Thrissur, ACADEMIA



25.	Dr. Minikutty A	 Associate Editor of the Peer Reviewed Journal in Education of the School of Pedagogical Sciences, PEDAGOGICS having ISSN 2229-7618
26.	Dr. Sajna Jaleel	 Editorial Board Member of the International Journal, UJER Editorial Board Member of the International Journal, UJER
27.	Dr. Binu George Varghese	• Editorial board member, Pesquia Online Research Journal ISSN 2456-4052, www.pesquisaonline.net
28.	Dr. K.M Seethi	 Editor, South Asian Journal of diplomacay (ISSN 2229-3361) Editor, Indian Journal of Poltics and International Relations (ISNN 0973-5011) Editor, Journal of Poltical Economy and Fiscal Fedaralism, 2015 (ISNN 2395-6976)

Faculty serving as Reviewers:

Sl. No.	Name of the faculty	Journal name
1.	Dr K Indulekha	Journal of Astrophysics & Astronomy
2.	Dr C Sudarsanakumar	 Material Science in Semiconductor Processing Chinese Optics Letters Optics Communication Journal of Molecular Modelling HSOA Journal of Infectious and Non-infectious Diseases.
3.	Dr N VUnnikrishnan	 Journal of non-crystalline solids Materials letters Journal of analytical and applied pyrolysis Journal of luminescence Physica b: physics of condensed matter Optical materials Materials chemistry and physics Advances in chemistry and material science Materials science and engineering Applied surface science International journal of biochemistry and biotechnology Journal of modern optics Journal of the chemical society of Pakistan Journal of optoelectronics and advanced materials The journal of physical chemistry



		 Journal of physics and chemistry of solids Journal of sol-gel science and technology Journal of theoretical and applied physics Journal of material processing technology Materials science in semiconductor processing Optics communications Spectrochimicaacta part a: molecular and biomolecular spectroscopy Scientific research and essays Journal of alloys and compounds Materials research bulletin Applied optics
4.	Dr. Nandakumar Kalarikkal	 RSC Advances Journal of Sol-Gel Science and Technology Journal of Materials Science Journal of Magnetism and Magnetic Materials Solid State Sciences Journal of Industrial Textiles Colloids and Surfaces A: Physicochemical and Engineering Aspects
5.	Dr Cyriac Joseph	 Reviewer for Journal of Crystal Growth Journal of Physics and Chemistry of Solids Journal of Luminescence Dyesand Pigments Optical Materials Luminescence New Journal of Chemistry Thin Solid Films Spectrochimica Acta
6.	Dr P R Biju	 Journal of Luminescence Journal of electronic Materials Journal of Alloys and Compounds Journal of Optical Materials Journal of Material Science and Engineering E
7.	Prof. Sabu Thomas	 Journal of the American Chemical Society, Macromolecules Journal of Applied Polymer Science Composites Science and Technology Journal of Thermal Analysis Polymers and Polymer Composites Polymer Soft Matter Journal. of Polymer Science Part B: Polymer Physics Composites Part A & Part B



		Polymer Composites
		 Polymer Engineering and Science
		European Polymer Journal
		Journal of Materials Science
		Langmuir Applied Clay Science
		Applied Clay Science DSC a law research
		RSC advances
		Biomacromolecules
		Industrial crops and products ACC A. III. D. C. III. L. C. I
		ACS Applied Materials and Interface ACS Service Materials and Interface ACS Service Materials and Interface
		ACS Sustainable Chemistry and Engineering
		Journal of Physical Chemistry, A, B and C
		Macroletters
		Naturematerils
8.	Dr Beena Mathew	 Reviewer of various of journals of Wiley, Elsevier, Taylor & Francis, and Springer Publishers
9.	Dr. Raju Francis	• Reviewer of research articles for ACS, WILEY and Elsevier journal
10.	Dr KS Devaky	Reviewer of various of journals of Biosynthesis
11.	Dr. Jayachandran K	Reviewer of Projects, KSCSTE- reviewer of Back to Lab programe of KSCSTE
		Reviewer of Journals- 3 biotech, Bioresource technology
12.	Dr. P S Sukumaran	Review board member, Journal of Disability Management and Special Education. ISSN 2229- 5143
		Review board member, Disability, CBR, and Inclusive Development
13.	Dr. E.M Afsal	Member of Review Panel, Journal of Applied Economics published by The University of Warwick, United Kingdom (2009- present
		 Member of Review Panel, Advances in Economics and Business published by Horizon Research Publishing, USA (2014-present)
		Member of Review Panel , Amity Journal of Management Research (AJMR) published by Amity University, Noida, India (2016-present)
14.	Dr. K.M. Seethi	Reviewer, Millenium, Journal of London School of Ecnomics.
		Reviewer, Economic and Political Weekly.
	1	Reviewer, Oxford University Press.



b) Faculty serving as members of steering committees of international conferences recognized by reputed organizations/societies

Name of Faculty	Details of the conference
Prof. Sabu Thomas	International Conference on Understanding Contemporary India, ICCS, Mahatma Gandhi University, January 2016
	2. International Conference on Advances in applied Mathematics, Materials Science and Nanotechnology for Engineering and Industrial application.IC-AMMA-2K16, Federal institute of science and Technology (FISAT)- January 2016
	3. INTER ISLAMIC NETWORK ON SCIENCE AND TECHNOLOGY PARKS(INSTP) AND THE OIC Standing Committee on Scientific and Technological cooperation (COMSTECH),IRAN Guilan, Iran.(2015 December)
	4. 8th International Conference on Materials for Advanced Technologies of the Materials Society of Singapore and 16th IUMRS - International Conference in Asia together with 4th Photonics Conference 2015
	5. 9th National Affinity Techniques Symposium" (AFFTECH 2015); "4th Nanomedicine World Congress (NANOMED 2015)" and "2nd International NanoBioTechnology Symposium" focusing also Nanomedicine (NANOBIOTECH 2015), Dalaman, Turkey & AFFTECH 20152015, August
	6. "XXI IUPAC CHEMRAWN - Solid Urban Waste Management, Rome, Italy.,- April,2016
	7. The International Rubber Conference 2016 Kitakyushu, Japan (IRC2016 Kitakyushu)- 2016 October
Dr. Nandakumar Kalarikkal	1. INTER ISLAMIC NETWORK ON SCIENCE AND TECHNOLOGY PARKS(INSTP) AND THE OIC Standing Committee on Scientific and Technological cooperation (COMSTECH),IRAN
	2. International Conference on Energy Harvesting Storage and Conversion (IC-EEE 2015, Cochin University of Science and Technology, Cochin, Feb 2015.



3.4.4 Provide details of

a) Research awards received by the faculty and students

Details of Awards received by	Details of Awards received by
Faculty Students	Students
of Behavioural Sciences	
Dr. Razeena Padmam	Nil
Mahila Thilakom award instituted by Govt. of Kerala	
Dr. P.T Baburaj	
Best poster presentation award in the International Conference on Inclusive Education, Jan11 & 12,2012 organized by the Department of social work, Assumption College Changanacherry, Kerala	
Ms. Rincymol Mathew	
Best poster presentation award in the UGC sponsored National Seminar on Ageing and Society, on 4&5 October, 202 organized by ST. Theresa's College, Ernakulum, Kerala.	
Best poster presentation award in National Conference on Models of Best Practice in Empowerment of Persons with Disabilities, !6-17, October 2015, jointly organized by the National Institute for Empowerment of Persons with Disabilities, Rehabilitation Council of India, and School of Behavioural Sciences, Mahatma Gandhi University, Kottayam, Kerala	
Sri. Rajesh E	
Public service award awarded by Confederation of Epidemiological Associations, (CEA) India	
of Biosciences	
Dr. E. K Radhakrishnan:	Rohini Sabu:
Honoured presentation of "Bharat Gaurav Award" by India International Friendship Society, May 2016	Young scientist award for the best paper in the National seminar on Diversity of Microbes and Climate Change mitigation held during 3rd-5th February 2016 organized by Catholicate College, Pathanamthitta
	Faculty Students of Behavioural Sciences Dr. Razeena Padmam Mahila Thilakom award instituted by Govt. of Kerala Dr. P.T Baburaj Best poster presentation award in the International Conference on Inclusive Education, Jan11 & 12,2012 organized by the Department of social work, Assumption College Changanacherry, Kerala Ms. Rincymol Mathew Best poster presentation award in the UGC sponsored National Seminar on Ageing and Society, on 4&5 October, 202 organized by ST. Theresa's College, Ernakulum, Kerala. Best poster presentation award in National Conference on Models of Best Practice in Empowerment of Persons with Disabilities, !6-17, October 2015, jointly organized by the National Institute for Empowerment of Persons with Disabilities, Rehabilitation Council of India, and School of Behavioural Sciences, Mahatma Gandhi University, Kottayam, Kerala Sri. Rajesh E Public service award awarded by Confederation of Epidemiological Associations, (CEA) India of Biosciences Dr. E. K Radhakrishnan: Honoured presentation of "Bharat Gauray Award" by India International



Jimtha John C:

Best paper award in UGC Sponsered National seminar on progress and prospects of Biotechnology, at St. Josephs College, Irinjalakuda on 14th and 15th January, 2016.

Tijith K George, Haseena:

Best paper award in the National Seminar on Plant science Technology for sustainable world -2016

Glindya Bhagyalakshmy:

Best paper presentation award. National Seminar on Food Safety in India-Current Issues and Career Prospects 2015

Divya.R:

Best paper presentation award Biovision 2014

Aju K.Ashok.

Best poster award (Life Science) 23rd Kerala Science Congress held on January 29-31, 2011

Aswathy Agnes Joseph:

First Prize for poster presentation at the 24th Kerala Science Congress, organized by Rubber Board., Kottayam, Kerala, India on 29-31, January 2012.

Roshmi Thomas:

First Prize for Paper presentation, at "Nanotechnology: Applications of Nanomaterials in Agriculture, Food and medicine, 25-26 July organised by BK College, Amalagiri, Kottayam.

Jasim B:

First Prize for Paper presentation at the "National Seminar on Advanced Biochemical Techniques: Relevance in Interdisciplinary Research Scenario" on September 3-4, organized by B.K. College, Amalagiri, Kottayam.



Anisha C:

Best Poster Award at the International Seminar on Emerging Trends in Organic Farming and Sustainable Agriculture organized by IUCOFSA, Mahatma Gandhi University, on 29th 31st Dec,2016

Rosemin Benny:

Best paper award for Rosemin Benny at 25thSwadheshi Science congress December 2015.

School of Chemical Sciences

Prof.Sabu Thomas:

- Distinguished Professorship Award Josef Stefan Institute, Slovenia, 2010
- 2. Fellow of the Royal Society of London ,FRSC,2012
- Awarded Bronze Medal of Chemical Research Society of India, 2013
- 4. Awarded Materials Research Society of India Award (2013)
- Awarded Society For Educational & Scientific Research. (SESR) Nanotech Scientist Award- 2014
- 6. Honorary doctorate (D.Sc.) from the University of South Brittany, Lorient, France (2015)
- 7. Awarded Loyalty Award
 "International Materials
 Technology Conference Exhibition"
 May 2016 & Honourable member
 of IMTCE, Loyalty Award Club
 (Membership Number -IMTCE-LC017
- Awarded Dr. APJ Abdul Kalam Award for Scientific Excellence – 2016
- Mahatma Gandhi University- Award for Outstanding contribution – November 2016

Dr. Raju Francis: UGC Research Award, 2012

Prof. Suresh Mathew:

 Rudolph A Marcus Award 2016 in Chemical Sciences by Lognor, Publishers of Science Advances

Divya Mathew:

- 1. Best poster award for Kinetic Study on the Catalytic Amidolysis of Z-L-Phe-PNA Using Phosphonate Analogue Imprinted Polymer Catalysts as Chymotrypsin Mimics (National Seminar on Phytochemistry An EmergingBranch for the Development of Potential Anticancer Drugs, Assumption College, Changanasserry, September 2015)
- 2. Best poster award for Kinetic Studies on Hydrolytic Activities of Polymer Supported Enzyme like Catalysts in the Amidolysis of Z-Tyr-Gly-OCH3 (Recent Trends in Spectroscopy: A Chemical and Biological Perspective-II, Newman College, Thodupuzha, 13-14 September 2015)-
- 3. Best poster award for Effect of the Nature and Extent of Crosslinking on Catalytic Amidolysis of Z-L-Tyr-PNA Using Chymotrypsin Mimics (National Seminar on Advanced Functional Materials, Mar Athanasius College, 15-16 September 2015)-
- 4. Kinetic Study on the Catalytic Amidolysis of the Dipeptide H-Tyr-Gly-OH Using Boronic acid Analogue Imprinted Chymotrypsin Mimics (*RTSB*, *Recent Trends in Organic*



Today

 Nanoscience Research Leader Award 2015 by Cognizure Publishers, hostess of the International Journal – Science Letters

Dr. G. Anilkumar:

Second prize in the Evonik Industries Chemistry Research Proposal competition ECRP 2016, Germany Synthesis and ChemicalBiology, Annamalai University, Department of Chemistry, October 2015)-

• Deepalekshmi Ponnamma Best Poster Presentation

Award in "National Seminar on Recent Advances in Polymer Science and Technology-2012" Organized by: Society for Polymer Science India and MarIvanios College Trivandrum, India

DeepalekshmiPonnamma Best Oral Presentation

Award in "National Conference on Nanostructured materials and Nanocomposites (NCNM) 2012" Sponsored by UGC, at NSS College, Ottapalam, Kerala, India

• Cintil Jose

Best paper award for the paper entitled "Novel approach for the development of cellulosenanowhiskers from isorafibre" at the National Seminar on 'Emerging Trends in Chemistry'held atSt.Joseph's College, Moolamattam on 25th February 2012

• Sooraj M. P.,

Emerging Trends in Polymeric Materials (ETPM 2014) organized by The Society for Polymer Science, India and Christian College, Chengannur, Kerala, January 2014 – Best Poster Award

• Sooraj M. P.,

"3rd International Science Congress (ISC 2013)" organized by International Science Congress Association, Karunya University, Coimbatore, December 2013 – Best Poster



Award.

• Sooraj M. P.,

International Conference on Advances in Material Science (ICAMS 2013)" sponsored by OPCW, DRDO, KSCSTE, Sree Snakara College, Kalady, October 2013 – Best Poster Award

• Sooraj M. P.,

National Seminar on "Advances in Chemistry-Research and Opportunities" sponsored by KSCSTE, All Saints' College, Trivandrum, August 2013 – Best Paper Award

• Runcy Wilson-

Best Paper Award- National Seminar on Advanced Polymer Materials , Organized by Department of Polymer Engineering Mahatma Gandhi University College of Engineering, Muttom, Thoupuzha, Kerala September 11&12, 2015

• DeepalekshmiPonnamma,

Selected as an invited speaker for the "Polymer Conference for Young Researchers (PCYR-14)" held at CSIR-NIIST

• Amrutha P Thankachan

Best Paper AwardA Novel
Protocol for the Formation of C-S Bonds Using Zn(II)-Catalysts"
in the UGC sponsored 13th Prof.
K. V. Thomas Endowment
National Seminar onNew
Frontiers in Chemical Research"
Conducted at S. H. College
Thevara, Ernakulam, on 4-5
December 2014



• A M. Thomas

Best Paper Award forNovel Protocol for Ullmann C-O Coupling Reactions Under Aerobic Conditions, Proceedings of the National Seminar on Recent Trends in Chemistry, 6-7 November, 2014, Baselius College, Kottayam, Kerala

• Amrutha P Thankachan

Best Paper Award forNovel zinc-catalyzed C-S cross coupling reactions of aryl halides with aryl thiols " in the UGC sponsored National seminar " Chemistry for Tomorrows world " Conducted at B. K. College Amalagiri, Kottayam on 22-23 January 2015

• Jeena Abraham,

International Conference Nanoscience and Emerging Applications (ICONSEA) organized by Centre for Nanoscience and Technology, Jawaharlal Nehru University, Hyderabad, June 26-28, 2014 –

• Jyotishkumar Parameswaranpillai

Best poster award- International conference, ICMST October 29-31, 2010 Trivandrum (IIST). Thermal and mechanical properties of poly(acrylionitrile butadiene styrene)modified epoxy/amine systems

• Deepalekshmi Ponnamamma

Selected as an invited speaker for the "Polymer Conference for Young Researchers PCYR-14)" held at CSIR-NIIST Elastomer nanocomposite

• Runcy Wilson

Best Paper Award, National



Seminar On Advanced Polymer Materials(SCENTIA), Organized By Department Of Polymer Engineering Mahatma Gandhi University College Of Engineering, Muttom, Thoupuzha, Kerala 2013,

• Cintil Jose Young researcher

International conference on 'Functional Polymers 2011' held at NIT CALICUT organized jointly by the Department of Chemistry, NIT Calicut & Leeds University, UK "A cost effective approach for the development of cellulose nanowhiskers

School of Environmental Sciences

Dr. C.T. Aravindakumar

- Visiting Professor at the University of Paris-East with full professor status, 2015
- 2. an invited member of the Oslo Governance Forum (OGF), Oslo (UNDP) 2011
- 3. Visiting Professor (with full Professor status) at the University of Paris-East (Department of Geology and Environment) 2013
- **4.** Governing Council member and Executive Committee member of the Kerala State Institute of Climate Change Studies-2014
- Science to formulate the research policy of the Ministry of Earth Science in India's Polar Research (Arctic/Antarctic/Southern Ocean/Himalaya) for the next 10 years. The Brainstorming Meeting on Polar Sciences and Global Water Cycle was held at the National Centre for Antarctic and Ocean Research (NCAOR), Goa during April 13-14, 2016.
- **6.** Invited as an expert for identifying research proposals for the India's 36th Antarctic Expedition 2016. The

• Sruthy S:

Dr. Satheesh Memorial Young Scientist Award for best paper presentation in 11th Kerala Environment Congress (KEC-2015), 6th to 8th may 2015 organized by Centre for Environment and Development, Kottayam, Kerala

• Daniya M. Thomas:

selected to Brown International Research Institute (BIARI), Brown University, USA – 2013 with full support

• G. Akhil:

- Best Paper Awards in the International Conference on Water: From Pollution to Purification, Jan.23-26, Kottayam
- Best Paper Awards in the 26th Kerala Science congress, January, Wayanad, 2014.
- 3. Best Paper Awards in 5th Asian Conference on Colloid and Interface Science, Darjeeling, November, 2013.

• P. R. Manoj:

1. Best Paper Awards in the third International Conference on



- workshop was held during June 9-10, 2016
- Nominated to the Expert Panel of the Water Technology Initiative (WTI) of the Department of Science & Technology, Govt. of India 2015

• Dr. Mahesh Mohan:

- DST-SERB Fast Track Project for Young scientist
- 2. Selected for Indian Arctic Expedition 2013-14
- 3. Selected for Indian Arctic Expedition 2014-15
- 4. Team leader as Indian Arctic Expedition (July, 2015)

• Dr. Sylas V.P:

 Visited Brown International Advanced Research Institute (BIARI) – 2013 (June 06 – 24), Brown University, USA with full support.

- Advanced Oxidation Processes, Sept.25-28, Munnar
- 2. Best Paper Awards in the International Conference on frontiers of mass spectrometry (ICMS 2013), Sep.6-9, Kottayam, 2013

• Jisha C:

Best Paper Awards in the International conference on Nano biomaterials, Kottayam, 2014.

• Shibin N. B:

Best Paper Awards in the National Symposium on Radiation and Photochemistry (NSRP-2013), North Eastern Hill University, Shillong, March 20-22, 2013

Shoniya Thomas:

- 1. Best Paper Awards in the National symposium on radiation and photochemistry, NSRP-2013, Shillong, March 20-22, 2013
- 2. Best Paper Awards in the International Conference on Advanced Oxidation Processes, Oct.5-8, Kottayam, 2012.

• T.V. Divyalakshmi:

- 1. Best Paper Awards in the second international conference on membranes, Kottayam, October 4-6, 2013
- Best Paper Awards in the Proc.-International conference on membranes: Environmental and biological applications, Sept.16-19, 2011

• Nikhil Chandra:

- 1. Best Paper Awards in the National Seminar (NSNano 2013), SN College, Kollam
- Best Paper Awards in the National Seminar on Green Chemistry-The Ultimate tool for pollution control Changanasserry, February 14-15, 2012

• Siju Abraham:

1. Best Paper Awards in National



- seminar on green chemistry-The ultimate tool for pollution control, Changanacherry, February 14-15, 2012.
- 2. Best Paper Awards in the National seminar on sustainable development: Recent trends in meeting the challenges (NSSD-2012), Kottayam, January 20-21, 2012.

• M. M. Sunil Paul:

Best Paper Awards in the Trombay Symposium on Radiation and Photochemistry, January 5-8, Mumbai, , 2012.

School of Gandhian Thought & Development Studies

• Dr. C. R. Harilakshmeendrakumar:

GICSNA (Government of India Certified Senior Naturopath Association) National Award for the contributions rendered to the academic propagation of Yoga & Naturopathy in the national and international level.

School of Indian Legal Thought

• Dr. George Joseph:

- 1. Prestigious award of Scroll of Honour from the International Council of Jurists London, 2014, taking into account his contributions in International Law, Academic year 2013 -2014
- 2. Sevanaratnam Puraskaram, 2011 from Nethaji Smaraka Samathi Trivandrum

• Anathakrishnan A Kartha

Best Mooter award in the One week Summer School Programme organised by European College of Law and Common Wealth Legal Education Association at London (2015 -2016)

• Department students team:

- Best Team award, in the National Competition on Alternative Dispute Redressal Mechanism held at Govt. Law College Ernakulam. (Academic year 2012 -2013)
- 2. The best script memorandum, in the National Competititon on Alternative Dispute Redressal Mechanism held at Govt. Law College



Ernakulam. (Academic yea	r
2012 -2013)	

- 3. Runner up in the in NALAM 2015 conducted by NUALS, (Academic year 2015 -2016)
- Winner, in the Ratio Decidendi Judgment Analysis Competition organized by Bharat Matha School of Legal studies 223rganized in 2015
- 5. Winner of best article containing anti drug theme instituted by the Excise department, GOK for the year 2016
- **6.** Selected for the Best magazine on the theme Anti-Drugs Campaign by the Excise Department, GOK, for the year 2016.

School of Letters

• Dr. P.S Radhakrishnan:

National film award (best film critic) by the Govt. of India for the year 2014.

• Dr.Aju K N:

Dr. B R Ambedkar National fellowship award by Bharateeya Dalit Sahithya Academy, New Delhi in 2012.

• Dr.Saji Mathew:

Research Award from UGC (2014-16).

Dr.Aju K N:

- 1. Research Award from UGC (2012-15)
- 2. Kerala state film award 2012-13
- 3. Received Literary Award (2016)
- 4. Received Kerala State film award (2015-16)

• Dr. Jose K. Manual

Received Kerala State film award (2015-16)

Siddharth Siva

Ph.D. Scholar received National film award for the film "Noottonnu Chodyangal" (2014).

• Students team:

The School of Letters won the first prize in the literary quiz conducted in connection with Sahiti, Thunchath Ezhuthachhan Malayalam University Tirur, February 2014.

School of Management and Business Studies

• Dr. Afsal E.M.:

 AIMS-NMIMS Outstanding Paper Award at the thirteenth International Conference on

• Radhika PC & Johney Johnson:

Received the best paper award at the International Conference



Management organized during 19-22 December 2015 at Indua business Academy, Bangalore

2. Award for Best Doctoral Paper Presentation in the AIMS-International Conference on Management held 2009 on December 20-23 at IIM Bangalore, 2009

organised at SNGCE, (2013)

• Jominy Joice & Siby Zacharias:

Career Management in Changing Career Context', Trends and Challenges in Indian Business Management, Jominy Joice & Siby Zacharias,; International Conference, Placitum November 6 &7, 2014

• Brijesh George John & Siby Zacharias

A Study on Online Jewellery Sales in India' International Conference on Advanced Management-Challenges in Knowledge Era, 8th& 9th January 2015, AMAL Institute of Management, Bharathidasan University

School of Pedagogical Sciences

• Dr. Celine Pereira

Best Teacher Educator Award of Council of Teacher Educators in 2013

• Dr. Varghese P. Peter

National Best Teacher Award in 2013-14

• Mrs. Sindhu P.G:

Best Paper Presenter Award by Council of Teacher Educators in 2014

• Mrs. Sreeja Swas :

Best Paper Presenter Award by Council of Teacher Educators in 2013

School of Physical Education & Sports Sciences

• Dr. Binu George Varghese

Letter of Appreciation from Secretary Sports, Government of Kerala for the excellent performance of Kerala team in 35th National Games and for meticulously discharging the responsibilities of Secretary, Kerala State Sports Council during my tenure from 2014-2016.



School of Pure&Applied Physics

• Dr. Antony S

UGC research award 2015

• RitheshRaj:

Best Oral presentation by at the National seminar on Advances in Crystal Growth and Nanotechnology held at CSM College Kottayam during Jan 15-16,2016

• RaneeshB:

Second position in poster presentation, The secondint ernational conference on Opto electronic materials and Thinfilms for Advanced Technology (OMTAT2013), Cochin University of Science and Technology, Cochin, January 3-5, (2013)

Ms Rehana P Ummer:

Best award for oral presentation, 15th National Symposiumon Material Science, IIT Bombay, Mumbai May 18-24 (2015)

• Ann Mary KA:

Bestpaper Award in Physical Science in the 26th Kerala Science Congress held at Kerala Veterinary and Animal Science University Wayanad during 28 to 31 Jan 2014

• PrasanthS:

Best poster Presentation award to, in the national seminar on Photonics and Its application held at University of Kerala during Dec 9-11 2015

• RemyaMohan:

Best Poster Award for at the National Seminar on nano-scale Science & Technology, Devamatha College, Kuravilangad 2015

ElHadjiMamourSakho:

Best Poster Award at the International Conference on Advanced Materials for Power Engineering 2015 conducted by Wroclaw Technical University & Mahatma Gandhi University 2015



School of Social Sciences

• **Dr. Raju S:** UGC Research Award

Department of Lifelong Learning and Extension

• Dr. Sabukuttan

- Received Life time Achievement Award in 2014 for promotion of yoga and Naturopathy from the Indian Martial Arts Academy Thrissur, Kerala
- 2. Received Sarojini Damodar Foundation Award twice for the recognition of his service in propagating Organic Farming in 100 affiliated colleges under Mahatma Gandhi University during the year 2016 and also for the academic contributions in spreading the message of Organic Farming by starting Certificate and Diploma Courses at the University.
- 3. Received Certificate of Honour for the incredible contributions in Social Service for the years 2012-13,2013-14 and 2014-15 by Kerala Action Force, Anwar Pain and Palliative Care and IMA Madhya Kerala
- 4. Received the Youth Promotion Award 2014 from the Centre for Research and Action (CIRA) in recognition of Significant Contribution in the field of Youth Development
- **5.** Received the Best Programme Coordinator Award during the year 2013-14 and 2015-16
- **6.** Received the Kamala Dalam Award in 2016.
- **7.** Received Synergy Award for the Empowerment of Youth in 2016
- 8. Received Indira Gandhi NSS
 Award for the year 2013-2014 for
 the Best NSS Programme Coordinator from the Hon'ble
 President of India Sri Pranab
 Kumar Mukherjee.
- **9.** Received Indira Gandhi NSS Award (Certificate of Appreciation) for the



- year 2012-2013 for the best NSS Programme Co-ordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee.
- **10.** Received the IPCAI National Award for the outstanding contributions in the field of Community Organisation through National Service Scheme of Mahatma Gandhi University in November 2016.

International and Inter University Centre for Nanoscience and Nanotechnology

• Robin Augustine :

- Best poster award, International Conference on Membranes (ICM-2013), MGU; Best poster presentation in Second International Conference on Nanomaterials: Synthesis, Characterization and Application India- 2013, MGU.
- 2. Best Poster Presentation Award
 -International Conference on
 Advanced Nanocomposite for
 Construction Materials (ICNC2013), MGU; Best oral
 presentation award International Conference on
 Tissue Engineering and
 Regenerative Medicine
 (ICAPM-2013) National
 Institute of Technology,
 Rourkela, Odisha
- 3. Best poster award-Bioradiance 2014 (National level seminar), organized by the Pushpagiri Research Centre, Tiruvalla, Kerala.; Third prize for poster presentation ,2nd International Conference of Nano Materials(ICNM)2014, MGU

• Jemy James:

Best Oral Presentation -International Conference On Plasma Science And Nanotechnology, & 29th National Symposium On Plasma Science And Technology, MGU

• Preetha Balakrishnan:



Best Oral Presentation Award -National Seminar on Material Science and Modern Analytical Techniques on 26th&27th of March 2014

• Dr.Praveen.G:

- 1. Best Oral Presentation Award, National Seminar On Biopolymers And Green Composites (BPGC-14);
- 2. Best Oral Presentation Award, National Seminar On Nanochemistry And Nanobiotechnology (Nanochembio-14);
- 3. Best Poster Presentation Award (Prof. D.M. Vasudevan Award), In Bioradiance-2015 'National Conference On Frontiers In Diabetic Research And Treatment';
- 4. Best Oral Presentation Award, UGC Sponsored National Seminar On "Emerging Trends In Nanomaterials"
- **5.** Best paper award ,28th Kerala Science Congress,2016

Jiji Abraham :

Best Paper Award - National Seminar on Nanostructured Materials (NSM2014),5: Best Paper Award, National Seminar On Advanced Polymer Materials(Hesperos 2015), MGU

• Blessy Joseph:

Best Poster Prize International Conference On Holistic Medicine -ICHM 2015, MGU

Advanced Centre of Environmental Studies and Sustainable Development (ACESSD)

• Sijumon V.A

Best poster award in the National symposium on radiation and photochemistry, NSRP-2013, Shillong, March 20-22, 2013; Best poster award in the National seminar on sustainable development: recent trends in



		meeting the challenges, NSSD-2012, Kottayam, 2012; Best poster award in the National seminar on green chemistry-The ultimate tool for pollution control, Kottayam, 2012. • Jisha C Best paper in the International conference on Nano -biomaterials, Kottayam, 2014. • G. Akhil Young scientist award, in the 26th Kerala Science congress. 2014, Best paper award in the 5th Asian
		Conference on Colloid and Interface Science, University of North Bengal, Darjeeling. 2013, Best paper award in the International Conference on Water: from pollution to purification, Kottayam, Kerala, Jan. 23-26, 2015.
Institu	te for Intensive Research in Basic Scien	ces (IIRBS)
	• Prof (Dr.) I. Ibnusaud:	
	Best paper award for the paper presented in 'Chirality 2004' held at New York University, New York U.S.A.(2004).	
KN. R	aj Centre for Planning and Centre-State	e Relations
	Girish Kumar R:	
	Jean Monnet Fellowship, European University, Florence, Italy 2010 (International Level) Ministry of Trade and Commerce, WTO Chair Professor, Central University of Kerala(National Level)	
Nation	al Institute of Plant Science Technology	7
		Alan Thomas S:
		Best paper presentationaward at International seminar on emerging trends in organic farming and sustainable agriculture held at Kottayam during 29 th to 31 st December 2016



Anto Joseph :	
Best paper presentation award at	
The National Seminar on Plant	
science Technology for sustainable	
world held at Kottayam during	
February 25 th -26 th 2016	
	- 1

b) National and International recognition received by the faculty from reputed professional bodies and agencies

reputed professional bodies and agencies			
Name of School /Department	National & International recognition recieved by Faculty & Students		
School of Chemical	 Fellow of the Royal Society of Chemistry, London, FRSC, 2012 		
Sciences	2. Prof. Sabu Thomas was awarded Bronze Medal of Chemical Research Society (CRSI) of India, 2013		
	3. Prof. Sabu Thomas was Distinguished Professorship Award, Josef Stefan Institute, Slovenia, 2010		
School of	Faculty		
Environmental Sciences	1. Dr.C.T. Aravindakumar has been selected as an invited member of the Oslo Governance Forum (OGF), Oslo (UNDP) 2011		
	2. Dr.E.V.Ramasamy has been nominated as a member of the <i>State Waste Management Policy Committee</i> by the <i>Local Self Government Department, Govt. of Kerala</i> (November 14, 2012)		
	3. Dr. Mahesh Mohan got the DST-SERB Fast Track Project for Young scientist		
	4. Dr.E.V.Ramasamy has been nominated as a member of the Special Board of Studies in Pollution Control and Environmental Engineering of Pondicherry University (October 26, 2012)		
	5. Dr.C.T. Aravindakumar has been selected as Visiting Professor (with full Professor status) at the University of Paris-East (Department of Geology and Environment) 2013		
	6. Prof.C.T. Aravindakumar has been selected as Visiting Professor at the University of Paris-East with full professor status, 2015		
	7. Prof.C.T. Aravindakumar has been nominated as the Governing Council member and Executive Committee member of the Kerala State Institute of Climate Change Studies-2014		
	8. Dr.E.V.Ramasamy has been nominated as a member of the <i>State Waste Management Policy Committee</i> by the <i>Local Self Government Department, Govt. of Kerala</i> , attended several meetings of the committee during 2014-15		



- 9. **Dr.E.V.Ramasamy** has been nominated as a member of the *Technical Committee* of Suchitwa Mission, *Local Self Government Department*, *Govt. of Kerala*, attended several meetings of the committee during 2014-15
- 10. **Prof.C.T. Aravindakumar**, was invited as a Team Leader in Environmental Science to formulate the research policy of the Ministry of Earth Science in India's Polar Research (Arctic/Antarctic/Southern Ocean/Himalaya) for the next 10 years. The Brainstorming Meeting on *Polar Sciences and Global Water Cycle* was held at the National Centre for Antarctic and Ocean Research (NCAOR), Goa during April 13-14, 2016.
- 11. **Prof.C.T. Aravindakumar** was invited as an expert for identifying research proposals for the *India's 36th Antarctic Expedition 2016*. The workshop was held during June 9-10, 2016
- 12. **Prof.C.T. Aravindakumar** was nominated to the Expert Panel of the *Water Technology Initiative (WTI)* of the Department of Science & Technology, Govt. of India 2015
- 13. **Dr. Mahesh Mohan** was the team leader selected for the Indian Arctic Expedition (July, 2015)
- 14. **Dr. E.V.Ramasamy**, Associate Professor, has participated in the selection committee meeting of the CWRDM (Centre for Water Resources Development and Management), Kozhikode as a subject expert in the interview board for the selection of Scientist-B during July 02-03, 2015.
- 15. **Dr. E.V.Ramasamy**, Associate Professor, has participated as the member of Board of Studies for the the B.Voc. Programme on Environmental Assessment and Remediation on Monday the 14th September, 2015, at Virudhunagar Hindu Nadars'; Senthikumara Nadar College, (Autonomous), Virudhunagar, Tamil Nadu.
- E.V. Ramasamy, Associate Professor, participated in the Technical Committee meeting for the evaluating technical presentations the organisations who have short listed for Technologies on 28.11.2015 at 10.30 A.M onwards at the Office of State Institute of Health and Family Welfare, Thycaud, Thiruvananthapuram, organised by Suchitwa Mission, Local Self Governance Department (LSGD), Govt. of Kerala

School of International Relations& Politics

Faculty

Dr. K.M. Seethi

1. Invited to be on the panel of the presentations at the Gulf Research meetings at the University of Cambridge in 2012, 2013 & 2016.



Nominated as expert Working Group on NORKA, Kerala State Planning Board in 2016.
 Invited to be an expert at the ICSSR, New Delhi for reviewing International collboration projects.
 Serving as UGC expert of the Center for Advaced Studies (CAS), University of Hyderabad.
 Researcher
 Best Researcher Award in Political Science granted to Ms. Anju Lis Kurian by the Indian Political Science Association in 2014-15.

School of Letters

- 1. **Dr. P.S Radhakrishnan** received national film award (best film critic) by the Govt of India for the year 2014.
- 2. **Dr. Aju K N** received Dr. B R Ambedkar National fellowship award by Bharateeya Dalit Sahithya Akademy, New Delhi in 2012.

School of Pure & Applied Physics

Dr Indulekha K

- 1. Executive Committee Member, Square Kilometer Array India Consortium
- 2. Visiting Associate, Inter University Centre for Astronomy & Astrophysics, Pune

Dr Nandakumar Kalarikkal

- 1. Visiting Fellow, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India
- 2. Visiting Professor, Gulbarga University, Gulbarga, Karnataka under SAP scheme of UGC
- 3. Visiting Professor, Alemaya University & Mekkele University, Ethiopia
- 4. Conference Fellowship Award of the Seventh International Conference on Phonon Scattering in Condensed Matter held at Cornell University, USA

Students

- 1. Microstructure and physical properties of multiferroic hexagonal ErMnO3 thin films. The second international conference on Optoelectronic materials and Thin films for Advanced Technology (OMTAT 2013), Cochin University of Science and Technology, Cochin, January 3-5, (2013) second position in poster presentation for Raneesh B (PhD student)
- 2. Enhanced dielectric and magnetoelectric coupling in BiFeO3-NaNbO3-PVDF-TrFE films, Rehana P Ummer, Raneesh B, Laurent Badie, Didier Rouxel, Sabu Thomas and Nandakumar Kalarikkal, 15 th National Symposium on Material Science, IIT Bombay, Mumbai May 18-24 (2015) best award for oral presentation to Ms Rehana P Ummer (PhD Student)



	3.	Best paper Award in Physical Science in the 26th Kerala Science Congress held at Kerala Veterinary and Animal Science University Wayanad during 28 to 31 Jan 2014 for the paper entitled "Ultrafast optical non-linearity in CuS nanocrystal" to Ann Mary K A
	4.	Fluorescence probing Ascorbic acid by L-Cystine caped Mn_3O_4 nanoparticles Best poster Presentation award to Prasanth S, in the national seminar on Photonics and Its application held at University of Kerala during Dec 9-11 2015
	5.	SPR based Fibre Optic Mercury Sensor based gold Nano particles- Best Oral presentation by Rithesh Raj at the National seminar on Advances in Crystal Growth and Nanotechnology held at CSM College Kottayam during Jan 15-16, 2016
	6.	Synthesis and Photo-luminescence Characterization of green-red emitting CaB2O4:Er3+, Li+ phosphor – Best Poster Award for Remya Mohan at the National Seminar on nano-scale Science & Technology, Devmatha College, Kuravilangad 2015
	7.	Liquid Phase Exfoliation of graphite oxide into graphene oxide quantum dot with blue photo-luminescence — Best Poster Award for El Hadji Mamour Sakho at the International Conference on Advanced Materials for Power Engineering 2015 conducted by Wroclaw Technical University & Mahatma Gandhi University 2015
School of Letters	1.	Dr. P.S Radhakrishnan received national film award (best film critic) by the Govt of India for the year 2014.
	2.	Dr. Aju K N received Dr. B R Ambetkar National fellowship award by Bharateeya Dalit Sahithya Akademy, New Delhi in 2012.
School of Tourism Studies	1.	Dr. Robinet Jacob , Conference chair in the annual conference of International Society of Travel and Tourism Educators, Miami, USA 20-22 October, 2011
	2.	Dr. Robinet Jacob has been nominated as Member, Expert Committee for evaluating Major Research Projects (Tourism), University Grants Commission, New Delhi, July 2014
Department of Lifelong Learning and Extension	1.	Dr.K.Sabukuttan received Life time Achievement Award 2014 for promotion of yoga and Naturopathy from the Indian marital Arts Academy Thrissur, Kerala
	2.	Dr.K.Sabukuttan received Sarojini Damodar Foundation Award twice for the recognition of his service in propagating Organic Farming in 100 affiliated colleges under Mahatma Gandhi University during the year 2016 and also for the academic contributions in spreading the message of Organic Farming by starting Certificate and Diploma Courses at the University



	3.	Dr.K.Sabukuttan received Certificate of Honour for the incredible contributions in Social Service for the years 2012-13,2013-14 and 2014-15 by Kerala Action Force, Anwar Pain and Palliative Care and IMA Madhya Kerala
	4.	Dr.K.Sabukuttan received the Youth Promotion Award 2014 from the Centre for Research and Action (CIRA) in recognition of Significant Contribution in the field of Youth Development
	5.	Dr.K.Sabukuttan received the Best Programme Coordinator Award State level during the year 2013-14 and 2015-16
	6.	Dr.K.Sabukuttan received the Kamala Dalam Award in 2016
	NA	ATIONAL LEVEL
	7.	Dr.K.Sabukuttan received Indira Gandhi NSS Award for the year 2013-2014 for the best NSS Programme Co- ordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee
	8.	Dr.K.Sabukuttan received Indira Gandhi NSS Award Certificate of Appreciation for the year 2012-2013 for the best NSS Programme Co-ordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee
	9.	Dr.K.Sabukuttan received the IPCAI National Award for the outstanding contributions in the field of Community Organisation through National Service Scheme of Mahatma Gandhi University in November 2016.
School of Tec hnology And Applied Sciences	1.	Dr. K Shreekrishna Kumar , Eminent Eductionist Award for the year 2016 awarded at Indo-American Education Summit 2016, Banglore by theIndus Foundation
	2.	Dr. Shreekrishna Kumar , best Civil Servant Golden Lotus Award for the year 2016 awared by the Business Digest Magazine.
IIUCNN	1.	Prof. Sabu Thomas has been awarded MRSI medal, 2012.
	2.	Fellowship of Royal Society of Chemistry, 2012.
	3.	Awarded Society For Educational & Scientific Research. (SESR) Nanotech Scientist Award- 2014

3.4.5 Indicate the average number of successful M.Phil and Ph.D scholars guided per faculty during the last four years. Does the university participate in Shodhganga by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?

M.G.University is provided with access to UGC-INFONET e-Journal facility provided by the INFLIBNET to selected 199 Universities in India. As per the statistics, the University is placed in the 29th position as on 2013 and 27th position as on 2014. The access to the facility has been extended to remote departments and study centres of the university during February 2015.



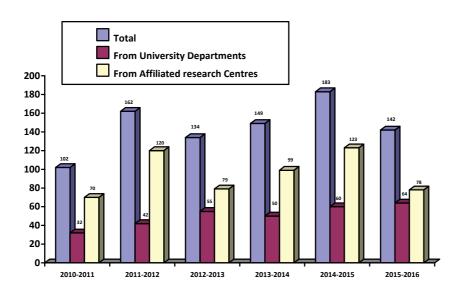
Theses are also uploaded in the Shodhganga, the online digital repository of PhD theses developed by the INFLIBNET Centre. M.G.University is one among the topmost contributors of online theses to Shodhganga.

The Ph.D theses awarded by the University are digitized and made available over the internet on open access mode. MGU Online Theses Library (www.mgutheses.in) is the online theses library of the University. The project obtained the e-Governance award of the Govt of Kerala during 2010 and other significant recognitions from INTUIT, U.K and inclusion in UNESCO's library portal.

Theses digital library of M.G.University has been launched by the former President of India H.E. Dr. A.P.J.Abdul Kalam on 8th November, 2008.

Details of Ph.D Awarded

Sl No	Year	Ph.D Awarded			
		Tot al	From University Departments	From Affiliated research Centres	
2	2010-2011	102	32	70	
3	2011-2012	162	42	120	
4	2012-2013	134	55	79	
5	2013-2014	149	50	99	
6	2014-2015	183	60	123	
7	2015-2016	142	64	78	
Average number of successful PhD scholars per faculty- 3:1					



• Total number of M.Phil awarded during 2010-2016 - 252



3.4.6 What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

Mahatma Gandhi Unversity has introduced the policy of plagiarism checking before the submission of PhD thesis in the University since June 2016. This service of the University is implemented through Central Library of the University. The software used for the purpose is URKUND, which has been provided to the University by INFLIBNET centre, Gujarat. URKUND is a fully automated system, which permits online submission of unlimited logins and pages for piracy checking. The University has made this service mandatory for Ph.D submission as part of improving quality of research output. Towards refining the percentage of significance of plagiarism reported, the library is offering a pre-check service facility before final submission of theses, which has helped to lower the percentage of significance to less than 10%, even though the University has restricted the significance to 25%. So far, more than 500 documents have been checked for piracy using this facility which also includes articles of faculties and research papers. The library provides orientation programmes for researchers about plagiarism checking and this has been well appreciated by the user community. Strict refereeing system is also followed to avoid plagarism.

3.4.7 Does the university promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?

Yes. The Schools and Centres of the university have been constituted on the basis of interdisciplinarity as the major plank for its academic programmes and research. A new concept of convergence of different disciplines between/among different Departments /Schools of the university are promoted and an exclusive building called Convergence Academia Complex (CAC) is under construction at an estimate of Rs. 29 Crores. CAC will house all the Inter University and Inter School Centres having diversified programmes in order to promote interdisciplinary research.

Collaboration with national/Institutes/Industries:

Sl No	Programme	Collaborative institute				
	School of Behavio	oural Sciences				
1.	GFATM Project - SAKSHAM (The Global Fund to Fight AIDS, Tuberculosis and Malaria, Round 7, HIV/AIDS Counselling Programme), 2009-14	WHO programme funded through Tata Institute of Social Sciences (TISS), Mumbai				
	School of Biosciences					
2.	DBT builder programme with IIUCNN	DBT				



3.	Molecular mechanism of antidiabetic activity of Costuspictus (No. 025/IBRS/KBC/2013 Dated. 11.11.2013)	Kerala Biotechnology Commission- KSCSTE- Industry Partner-Arjuna Natural Extracts.
4.	Health promoting capabilities of potential probiotic strains isolated from infant gut microflora	ICMR (Collaborative project with Dr. Sabu Thomas, Scientist E11 as CO- PI, Rajiv Gandhi Centre for Biotechnology)
	School of Chemi	ical Sciences
5.	Respond project from ISRO 2016-2019	ISRO
6.	Development of high performance rubber nano composites for tyre engineering 2007-2011	DST-Apollo Tyres
7.	Tuning the properties of stimuli sensitive copolymers- A step towards purification of water 2009-2012	SERC,DST
8.	High performance polymer blend from epoxy resin and PTT for aerospace application 2009-20012	DRDO
9.	Carbon nanotube filled natural rubber nanocomposites 2010-2013	UGC-DAE
	School of Environn	nental Sciences
10.	National Vegetation Carbon Pool – Kerala Region 2011-2013	IIRS, ISRO
11.	Nationwide Environmental Gamma Radiation Monitoring Using TLDs (A National Mission programme) 2014-2016	BRNS
12.	Investigation of the spatial distribution of uranium and associated water quality parameters in five central districts of Kerala 2015 onwards	BRNS



	School of International	Relations and Politics			
13.	Paddy Culture in Kuttanad, Kerala: Folk Traditions, Rituals and Festivals 2012-14	Indira Gandhi International Centre for the Arts, New Delhi.			
14.	MGNREGS Assessment Evaluation Study- Eranakulam District. 2013-15	State Institute of Rural Development, Govt of Kerala.			
15.	MGNREGS Assessment Evaluation Study- Pathanamthitta District. 2013- 15	State Institute of Rural Development, Govt of Kerala			
16.	MGNREGS Assessment Evaluation Study- Kollam District. 2013-15	State Institute of Rural Development, Govt of Kerala			
	School of Pure And	Applied Physics			
17.	National pooled funds utilized for the promotion of teaching & research in Astronomy & Astrophysics	MoU with (IUCAA, Pune)			
18.	National pooled funds utilized for science development for the Square Kilometer Array MoU with Square Kilometer Array India Consortium				
	School of Soci	al Sciences			
19.	Rehabilitation Plantation: Socio Economic sustainability', (2005)	Project Sponsored by Rehabilitation Plantation Corporation, Punalur			
20.	Evaluation of Ecodevelopment Programme at Periyar Tiger Reserve), (From March, 2009 April, 2011)	Periyar Foundation, Periyar Thekkady.			
	School of Tour	rism Studies			
21.	"Social Media as an influencer among foreign tourists visiting India" 2014-16	Indian Institute of Tourism and Travel Management and Ministry of Tourism, Govt. of India			
22.	Discover Kottayam 2014-16	District Tourism Promotion Council (DTPC), Kottayam			
International and Inter University Centre for Nanoscience and Nanotechnology					
	Dept of Materials Engineering, Indian	Dept of Materials Engineering, Indian Institue of Science (IISc), Banglore			
	Appollo Tyres, MRF tyres				
23.	Rubber Research Institute of India, Kottayam, Kerala, India - 686 009				
	NIIST, Trivandrum, Kerala, India - 695 012				
	Central Power Research Institute, Bangalore, India - 56094				



	Vikram Sarabhai Space Research Cen	tre, Trivandrum, India				
	Rubber Technology Centre, Indian Institute of Technology, Kharagpur,					
	COMPTECH, Indian Institute of Technology, Chennai					
	Polymer Chemistry Division, National Chemical Laboratory, Pune, India					
	Sree Chitra Thirunal Institute of Medic Trivandrum, Kerala, India	cal Sciences and Technology,				
	Central Institute of Plastic Engineering India	g and Technology, Guindy, Madras,				
	of Polymer Science & Rubber Techno Technology, Cochin - 22, Kerala, Indi					
	Indian institute of Chemical Technolo	gy, Hyderabad, India				
	Laboratory of Condensed Matter Phys University of Rajasthan, Jaipur, India	ics, Department of Physics,				
	Reliance Industries Limited, Maker Cl Point, Bombay	hambers IV, 3rd Floor, 222, Nariman				
Elastomers Technical Services, Madurai, India						
	High Polymer Engineering Division, Department of Chemical Engineering, Indian Institute of Technology, Madras, India Department of Chemistry, Karnatak University, Dharwar, Karnataka, India Department of Civil Engineering, Indian Institute of Technology, New Delhi, India					
	Common Facility Service Centre, Industrial Estate, Changanacherry, Kottayam, Kerala, India					
	Department of Physics, University of	Mysore, Mysore				
In	ter University Centre for Biomedical l	Research & Super Specialty Hospital				
24.	IUCBR and Bangur Institute of Neurology, Kolkata Bangur Institute of Neurology, Kolkata					
25.	IUCBR and Manovikas Kendra, Kolkata Manovikas Kendra, Kolkata					
F	Advanced Centre of Environmental St (ACES					
26.	Nanofiber structures for efficient enzyme immobilization in membrane applications	Network project between Department of Energy Conversion and Storage, Technical University of Denmark (DTU) and Mahatma Gandhi University (MGU)				

Inter University Centre For Disability Studies
239



27.	Empowerment of Persons with Disabilities (PWDs) through Community Integration"	"Santhigiri Rehabilitation Institute, Vazhithala P.O, Thodupuzha- 685583				
28.	"Skill development training programme to the persons with disabilities"	Theeradesa Raksha Social Welfare Society (TRSWS), Reg. No. 566/2001, Sidco building, Beach Road, West Hill P.O, Calicut- 673005.				
	Advanced Molecular Materials Research Centre (AMMRC)					
29.	Propellant Burn rate modifiers 2016-18	ISRO				
	KN. Raj Centre for Planning and Centre-State Relations (KNRC)					
30.	Conducting Training programmes 2016-17	Collaboration with Gulati Institute of Finance and Taxation, Trivandrum;				
31.	Participation in training programmes 2015-16	Institute for Studies in Industrial Development, New Delhi				

Collaboration with international institutes / industries:

School of Chemical Sciences (SCS)						
1.	Hierarchical bio composites from Isora fibres and unsaturated polyester	2014- 2016	DST-Austria			
School of Bios	sciences					
2.	Dr.J.G.Ray received Prometeo Sabios Fellowship of Ecuador Government to conduct collaborative studies at Ecuador with professors in their university.		Fellowship of Ecuador Government			
School of Env	School of Environmental Sciences					
3.	Long - Term Monitoring of Kongsfjorden System of Arctic region for climate change studies	2015- 2016	ESSO-NCAOR, MoES			
4.	Long Term Environmental Monitoring of Fjord Ecosystems, Ny-Ålesund (Arctic)	2016- 2017	ESSO-NCAOR, MoES			
5.	Development of Self-contained, PV powered domestic toilet and waste water treatment system.	2014- 2015	California Institute of Technology, USA			
6.	Microbial Fuel Cells	2014	University of West of England (UWE), Bristol, UK			
7.	An Interdisciplinary and	2012-	UGC / Obama-Singh			



	Community Oriented Innovative Approach	2015	21st century knowledge initiative/ with Brown University, Duke University and Plymouth State University
8.	Pulse radiolysis of biomolecules	2010- 2012	Indo-French ARCUS Project
School of Tou	rism Studies		
9.	Project for Mango Languages	2011 – 12	Mango Languages, USA
International	and Inter University Centre for Nar	oscience	and Nanotechnology
10.	Nano biomaterials water purification	2016- 17	Researcher Links scheme offered within the Newton Fund, the British Council & Royal Society of Chemistry, London
11.	Cross-linked polyethylene Nano composite for cable insulating application	2016- 17	University of Mara, Malaysia
12.	The Centre has collaboration with following industries. 3. General Cables, USA, (completed) 4. Surface Treat, Czech Republic, (Running)		
Advanced Cen	tre of Environmental Studies and Sust	ainable D	evelopment (ACESSD)
13.	Nanofiber structures for efficient enzyme immobilization in membrane applications	2016- 2019	Network project between Department of Energy Conversion and Storage, Technical University of Denmark (DTU)
14.	Advanced membrane processes for water purification	2016	Ben-Gurion University, Israel.
Advanced Molecular Materials Research Centre (AMMRC)			
15.	"Study of fundamental Chemical and Physical properties of magnetic ionic liquid nanofluids". collaboration with Department of Physics, Rzeszow University of Technology, Poland	2015- 17	DST, Govt. of India & (funding agency in Poland)



3.4.8 Has the university instituted any research awards? If yes, list the awards.

Yes.

The following are the research awards instituted by the University which has been included in the University budget from the financial year 2015-16.

Sl. No	Name of Award	Funds earmarked (Rs. In lakhs)
1	Young Scientist Award	5 .00
2	Project Seed Money	20.00
3	Incentive for Patent	10.00
4	Incentive for publication in first class referred journal	10.00
5	Incentive for publication of original books	10.00
6	Best Teacher Award	1.00

3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

Felicitation programmes to honour faculty is organized by University. Recently Prof. Sabu Thomas has been falicitated for his outstanding achievements in teaching and research.

3.5 Consultancy

3.5.1 What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the university during the last four years.

The University promotes consultancy services through its Schools and Centres which offers wide range of services and the funds generated are deposited in the concerned Department Development fund/Consultancy account.

School of Behavioural Sciences

The school offers consultancy services in the area of mental health and disability identification and rehabilitation. Since there are social issues where maximum awareness creation and provision of services are required, most of the services are provided free of cost. A nominal fee is collected for audiometry, physiotherapy etc. Also the intellectually challenged students attending the vocational rehabilitation unit of the School are given a nominal remuneration for the physical work they do in the centre. The SANTHWANAM counselling centre working in the School offers mental health consultancy services to the child and adolescent clients referred from medical colleges, Institute of Child Health, District hospitals, schools, colleges and so on. The services of an expert clinical psychologist is provided for psychological testing and assessment. The centre also gives certificates regarding Intellectual disability and learning disability and is



accepted as a competent authority in this regard by the Department of Education and Government Medical colleges. Counselling and guidance to the students and parents of the Vocational Training Centre of School of Behavioural Sciences and their assessment have been carried out in the clinic at regular intervals. All the services of this centre is extended free of cost to enable better access to the needy population.

The year wise distribution of the clients attended the clinic is as follows (March 2011-September 2016)

Year	No. of New Cases	No. of follow up cases.
March- December 2011	216	198
January – December 2012	300	214
January – December 2013	288	262
January – December 2014	166	122
January – December 2015	450	306
January – December 2016	372	198

School of Environmental Sciences

- Water quality testing (20% to consultant/student and 80% to University as DDF)
- Analytical consultancy (100 % to University as DDF)
- Remote sensing and GIS consultancy by Dr. R. Satheesh Centre for Remote Sensing & GIS) of the School.

School for International Relations and Politics

• The School of International Relations and Politics conducted a Consultancy Project sponsored by the Kerala State Rural Development (SIRD), Government of Kerala in respect of the Impact Assessment Study of the Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) in the districts of Ernakulam, Kollam and Pathanamthitta. The projects were completed and the Reports of these studies were submitted to the SIRD in November 2015.

School of Indian Legal Thought

 Legal Literary Camps are regularly conducted However, it is done more as a Service rather than consultation

School of Management and Business Studies

- Provided consultancy services to Catholic Syrian Bank Ltd in the selection for the post of Clerk-cum-cashiers for the Kottayam Zonal office in 2014.
- Provided consultancy services to Kureepuzha cooperative society in the staff selection to various positions in 2014 and 2015.



School of Tourism Studies

- Provided consultancy services for Department of Tourism, Government of Kerala and District Tourism Promotion Councils (DTPC) of Kottayam and Ernakulam districts Rs. 166002/-
- Certified Tour Advisor Programme (CTA) along with District Tourism Promotion Council Ernakulam (January 2015) Rs. 20000
- Mango Languages, USA 75000/- (2011 12)

International & Inter University Centre for Nanoscience and Nano Technology-IIUCNN

- International & Inter University for Nanoscience and nanotechnology undertakes consultancy work from companies and research labs. The active company partner is Lipids India Limited for whom extraction, chemical characterization and Product development services are offered.
- Other consultancy work for Reserach Projects with different colleges.

3.5.2 Does the university have a university-industry cell? If yes, what is its scope and range of activities?

University has established Business Innovation and Incubation Centre which is currently facilitating active university-industry interactions. This cell is responsible for the conduct of frequent university-industry interface meeting at the campus. This will lead to large scale funded research project at schools and centres of the university from industry leading to new technologies and products with the help of the incubation Centre. This will facilitate several spin-off technologies which will ultimately lead to commercial production.

3.5.3 What is the mode of publicizing the expertise of the University for Consultancy Services? Which are the departments from whom consultancy has been sought?

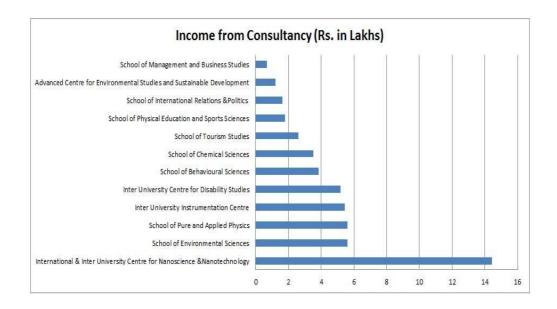
The universities publicizes the expertise for consultancy services by the following ways.

- 1. Through website
- 2. Press release
- 3. University- Industry Interface Meetings
- 4. Through conferences and workshops being organised by university and other agencies.

The details of income generated are given below.



Total Income from Consultancy				
SL. No	Name of the Department	Income generated (Rs in Lakhs)		
1	International & Inter University Centre for Nanoscience & Nanotechnology	14.45		
2	School of Environmental Sciences	5.62		
3	School of Pure and Applied Physics	5.6		
4	Inter University Instrumentation Centre	5.46		
5	Inter University Centre for Disability Studies	5.17		
6	School of Behavioural Sciences	3.86		
7	School of Chemical Sciences	3.53		
8	School of Tourism Studies	2.6		
9	School of Physical Education and Sports Sciences	1.8		
10	School of International Relations &Politics	1.62		
11	Advanced Centre for Environmental Studies and Sustainable Development	1.2		
12	School of Management and Business Studies	0.7		
	TOTAL	51.61		



The mode of publicizing the expertise of the university for consultancy services is through the websites of the Schools and Centres. The capabilities of the institutions are widely publicised through conferences, meetings and workshops.



Consultancy has been sought from School of Environmental Sciences, School of Indian Legal Thought, School of Tourism Studies, School of International Relations and Politics, International & Inter University Centre for Nanoscience and Nanotechnology, School of Physical Education and Sport Sciences, School of Pure & Applied Physics, School of Behavioural Sciences, Inter University Instrumentation Centre etc.

3.5.4 How does the university utilize the expertise of its faculty with regard to consultancy services?

Initiatives for consultancy work have to come from the faculty. Funds generated through the consultancy services are pooled into the Departmental Development fund which is utilized for the developmental activities of the Department.

3.5.5 List the broad areas of consultancy services provided by the university and the revenue generated during the last six years.

School of Chemical Sciences and School of Environmental Sciences

Analytical facilities are made available to research scholars of other Schools / centres /colleges and these are offered for use on a suitable payment basis.

School of Environmental Sciences

1. Analytical consultancy (100 % to University as DDF)

Year	Amount generated through instrument usage (for eg.: LC/MS) (Rs)	Amount generated from Dissertation works of students from other institutions (Rs)	
2011-12	70,450	1000	
2012-13	17,700	Nil	
2013-14	8400	45,500	
2014-15	16,600	43,000	
	Total	2.02 lakhs	

2. Remote sensing -GIS consultancy by Dr. R. Satheesh Centre for Remote Sensing & GIS) of the School of Environmental Sciences, Mahatma Gandhi University, Kottayam during the period from 2011 to 2016

Sl. No.	Title of the work	For whom	Funding under	Amount (Lakhs Rs.)	Financial Year
1	Agro-ecological zoning of Idukki district for locating new meteorological stations	Spices Board (Indian Cardamom Research Institute,Maldumpara, Idukki)		0.34	2011
2	Short-term training	School of	TEQIP Phase	0.70	2013



	programme in GIS, Remote Sensing and GNSSs to Engineering faculty members (20 Nos.)	Engineering, Cochin University of Science and Technology, Kochi	II of AICTE, Govt. of India		
3	One week customized Training on Digital Image Processing to M. Tech students (12 Nos.)	Govt. College of Engineering, Kushalnagar, Karnataka	College Fund	0.21	2014
4	GIS analysis of L2 landscape area of Konni Forest Division, Kerala	Tropical Institute of Ecological Sciences (TIES), Velloor, Kottayam	Perspective plan for Green India Mission by Kerala Forests & Wildlife Department, Govt. of Kerala	0.34	2014
5	GIS based digital spatial database and Map Atlas creation at a scale of 1:4000 with 208 maps of the river sand auditing of Muvattupuzha River'	Tropical Institute of Ecological Sciences (TIES), Velloor, Kottayam	River Management Cell, Reevenue & Disaster management Dept., Govt. of Kerala	1.23	2015
6	Assessment of sequestration potential of trees in Kochi city with the changing vegetation pattern	Nansen Environmental Research Centre India (NERCI), Kochi	DST funded project "Atmospheric carbon sequestration potential of trees in Kochi city under the changing environmental scenario"	0.45	2015
7	GIS based digital spatial database creation, spatial analysis and map generation at a scale of 1:4000 of six selected stretches of Chalakkudy River	Tropical Institute of Ecological Sciences (TIES), Velloor, Kottayam	Corporate Social Responsibility (CSR) Fund of Appollo Tyres, Ernakulam	0.32	2016
Total revenue from consultancy during the period				2.02 + 3.59 = 5.62 Lakhs	



School of Physical Education and Sport Sciences:

Rs 1.80 Lakhs generated annually in DDF fund from consultancy services.

School of Pure & Applied Physics

Department offers help with the modalities of use of the sophisticated instruments made available for the use of researchers from other institutions and these are offered for use on a suitable payment basis. Rs 5 lakhs has been generated from consultancy service.

School of Internatioanl Relations and Politics

The School of International Relations and Politics conducted a Consultancy Project sponsored by the Kerala State Rural Development (SIRD), Government of Kerala in respect of the Impact Assessment Study of the Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) in the districts of Ernakulam, Kollam and Pathanamthitta. The projects were completed and the Reports of these studies were submitted to the SIRD in November 2015. The total project cost was Rs 16.2 Lakhs. Income generated from the projecs was Rs 1.62 Lakhs which became part of DDF.

School of Tourism Studies

Rs. 2.61 Lakhs generated at Department Development Fund (DDF) through consultancy services offered to District Tourism Promotion Councils of Kottayam and Ernakulam.

- 3.6 Extension Activities and Institutional Social Responsibility (ISR)
- 3.6.1 How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.

The university sensitizes its faculty and students on its institutional social responsibilities by inviting social activists, social scientists etc to interact and motivate the students and faculty on socially relevant issues. The various schools/centres of the university have involved in a wide range of social outreach programmes related to their major areas of specialization. They also include the activities of National Sevice scheme which got national awards for their meritorious service to the society. Some of the important outreach programmes of the schools/centres are listed below:

School of Behavioural Sciences

Extension activities are one of the important functions of the school. In the "Swanthanam" Clinic of the school, a clinical psychologist offers testing and diagnosing of various issues as well as providing counselling services.

A rehabilitation centre is also functioning in the department where persons with disabilities are receiving training in file board making and tea vending machine operations.

Extension lectures to make aware the public is another activity. Faculties and research scholars are engaged in conducting such camps and lectures in the



community. Identification and assessment of various disabilities are conducted under extension activity.

School of Chemical Sciences

- 1. One Day in the Campus: To inculcate an aptitude for science among school children, 'one day in the campus' programme was organized which include workshop and interaction with an eminent scholar. Students from nearby government schools are usually invited for this programme.
- **2.** Faculties acted as Resourse persons in INCULCATE and INSPIRE Programmes.
- 3. Conducted Quiz competition for students from various affiliated colleges.
- **4.** Conducted Exhibition for school children (Govt.and Aided school).
- **5.** Faculty members are usually offer talk/motivation class in schools and colleges.

School of Environmental Sciences

School of Environmental Sciences being an interdisciplinary department, extension activities of social relevance form an essential mandate of the School. In this context, every year students are encouraged to undertake extension activities as part of their curriculum. Students under the supervision of faculty members do involve in extension activities such as conducting social surveys, creating environmental awareness and major extension activities benefitting the society such as

- 1. Rainwater harvesting.
- 2. Rainwater for humanity programme.
- 3. Open house programme conducted for the school children to visit the school, its laboratories and more specifically the 'Jeeveka Live Laboratory'.
- 4. Energy conservation and water conservation studies by the MSc students.
- 5. Energy audit and Municipal Solid Waste audit as groups done for the campus by the PG students.
- 6. Water quality testing for the public which involves students and faculty members.
- 7. Participated in ecorestoration programme of Forest Department at Pampadum Shola national park.
- 8. Students take part in surveys such as fish cout, butterfly count, bird count and wildlife survey conducted by varios NGOs, R&D institutions, and Forest Department.

School of International Relations and Politics.

School of International Relations and Politics, Mahatma Gandhi University hosted a social outreach programme in collaboration with Rajya Sabha T. V by organising panel discussion on the theme, "Kerala vs Gujarat: Which Model is Right for India" held on 11 September 2013 which was telecast as part of RS TV's regular programme "India Interacts." The panel consisted of



Bharat Bhushan (Senior Journalist, New Delhi), Mr. Mani Shankar Aiyar (Former Union Minister and Member of Parliament), Mr. Sheshadri Chari (Member of Parliament), Mr. K.N. Harilal (Fellow, Centre for Development Studies) and John Samual UNDP.

(https://www.youtube.com/watch?v=qkFmKAhlB3c). The school also hosted an young scholars conference in 2014 for researchers from various universities in India for interactions with senior scholars in the field. The faculty members also offered extension lectures as social out reach programme.

School of Indian Legal Thought

Legal Aid Programmes and Legal Literacy Programmes: The legal aid cell of the school provides assistance to poor and needy who cannot approach the court for disposal of their disputes. Former students of the department voluntarily assist the department for bringing up disputes before various courts. The legal aid cell also dispose disputes by involving in mediation.

School of Tourism Studies

Student groups undertook community projects on real-time tourism management issues with social relevance using a problem based learning approach and it offered real and practical value to them. Examples of community oriented projects include assessment of Barrier free Tourism in the major destinations of Kerala, Study on plant and wood based souvenirs of Kerala, Traditional farming practices of Kottayam district and its relevance in tourism promotion, Women entrepreneurship in Tourism etc.

School of Physical Education and Sport Sciences

The Students of the School take part in blood donation campaign.

- 1. School organizes summer coaching camp in different sports and games.
- 2. Sending students for organizing tournaments and programs to different organizations.
- 3. School runs a Fitness centre for the society for the promotion of good health
- 4. Awareness programmes on good Health practices are given to public through the Department Fitness Centre.
- 5. All MPEd Students were appointed as the volunteers and venue Assistants for the conduct of 35th National Games, Kerala, 2015.

International and Interuniversity Centre for Nanoscience and Nano Technology –IIUCNN

- 1. Prof.Sabu Thomas gave talks on Green Farming and Plastic Recycling at the Villages in Kaduthuruthy.
- 2. The Students and Faculty visits orphanages and provided monetary support.
- 3.6.2 How does the university promote university-neighbourhood network and student engagement, contributing to the holistic development of students and sustained community development?

The Department of Life Long Learning and Extension is the leading Department entrusted with extensive extension activities. The Department is



regularly conducting home stay camps in the nearby villages including Nalpathimala Village, adjoining the MG University campus. The students are accommodated in the houses of the villagers for a week. Interaction and living with the villagers will have a positive impact on the outlook of the students towards the society. They get service orientation by engaging themselves in the social service activities, charity work, volunteering, setting up of public spaces like library, road construction, medical camps, blood donation camp, cancer detection programme, awareness programmes on drug use and alcoholism. The students will be sensitized on various aspects of personality development, communication skills, computer and web literacy. Legal literacy is also provided to the students. They are promoted to participate in the democratic process besides imparting citizens' rights and duties.

3.6.3 How does the university promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and otherNational/International programmes?

The university has formed a department for Life Long Learning Extension which is engaged in a wide range of extension activities. The NSS unit has done exemplary service to the society for which it has got many national and state awards.

Department of Life Long Learning and Extension coordinates the following activities: nature camps, organic farming, water quality preservation, river protection campaigns, green campaigns, social forestry, waste management initiatives, road safety campaigns, public health campaigns, sensitization on cruelty against women and voting related campaigns of the election commission.

School of Physical Education and Sport Sciences

- 1. Conducts summer coaching camps for school students in different Sports and Games.
- 2. Effectively runs a Fitness Centre for Students, Staff and Public.
- 3. Conduct various short term coaching camps and other physical activity programmes in neighbouring Schools and Colleges.
- 4. The students have active participation as Officials in various major tournaments within the State.
- 5. All students acted as volunteers and venue Assistants in 35th National Games, Kerala, 2015.

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

The various schools/centres have undertaken a number of activities in their area of specialization to ensure empowerment of the marginalized. Some of the major activities are listed below:



School of Environmental Sciences

Students under the supervision of faculty members do involve in extension activities such as conducting social surveys, creating environmental awareness on energy conservation and water resource management.

School of Behavioural Sciences

The School of Behavioural Sciences encourages research work among underprivileged and vulnerable sections of the society. Some of the research projects done by the research scholars during the past years include studies among street children, residents of destitute homes, old age homes, special schools, personality of young adult women staying in slums etc. Studies were done among tribal people of Attappady, Agasthyakoodam tribal area as well as among students belonging to tribal community from Idukki, Palakkad, and Wayanad districts.

Department of Life Long Learning & Extension

The major extension and outreach programmes undertaken by the department are given below:

- 1. Set up one hundred organic Farming Clubs
- 2. Learning Disability Early Detection Camps
- 3. Counselling sessions for parents and students with Learning Disability
- 4. Social Rehabilitation of differently-abled
- 5. Yoga for the Masses- A Public Health Initiative
- 6. 100 Yoga Clubs
- 7. Counsellor On Call programme
- 8. Environment enrichment Programmes
- 9. River Protection Activities in Periyar, Meenachil and Pampa rivers
- 10. Preventive Medical Camps
- 11. Tree Planting

The Department in association with the National Service Scheme of Mahatma Gandhi University and conducted the following Intercollegiate Programmes.

- 1. Training Programme for making Eco-friendly Paper bags-06/08/2011
- 2. One day seminar-The role of judiciary in social justice-23.2.13
- 3. One day seminar on Personality Development-11.1.2014
- 4. One day workshop on Gandhian Principles-28-10-2014
- 5. Three day camp-Pampa Sabarimala Environment conservation-05-07, December 2014
- 6. One day programme-Dr.A.P.J.Abdul Kalam-the visionary who walked ahead of times-15-10-2015
- 7. Intercollegiate workshop-"RAKSHAN -16 on the topic of disaster management-12/2/2016-14/02/2016
- 8. One day intercollegiate seminar on organic farming and sustainable agriculture-27/02/2016
- 9. Three day camp on Media-19/08/2016 to 21/08/2016



School of Tourism Studies

The students have undertaken access audit and assessment of Barrier Free Tourism in major destinations of Kerala for three years. The projects have created an awareness of the need for universal design, accessible accommodation, transportation and accessible public amenities in the state.

3.6.5 Does the university have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?

All activites are organized under the guidance of any one of the Schools/Centres/Departments which provides the University a direct means to track involvement of vaious activities of NSS and other extension programmes. Students are encouraged to participate in various essay competitions connected with national interests. The School of Pure and Applied Physics had hosted the Shastrapratibha competition for inculcating scientific temper in school students and 'student' police cadets, conducted by the Swadeshi Science Movement and the research scholars of the department had rendered voluntary service in conducting the competitions. Students of various schools/centres have participated in the blood donation camps. Students and faculties raise funding in different occassions for supporting financially weak students who suffer from varoius chronic ailments.

3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.

School of Behavioural Sciences

The extension activities were designed to promote building of knowledge along with requisite skill to perform adopting a positive attitude. Hence before each programme a participatory planning is done specifying the objectives and requirement of each of the activity. This helps the students to have a realistic perception of the needs of the community and to respond adapting to their situation. The real life situations help in identifying the practical issues in applying theoretical knowledge in the social context. Respect for life, society, social norms are also fostered through this approach. Civic consciousness also is awakened and the student is helped to identify his responsibility as an educated member of the society.

Archeological Museum in School of Social Sciences

School of Social Sciences has an archaeological museum of approximately 850 sq.ft. The theme of the museum collections is based on the history of Kerala. It's a walk through the Paleolithic, Mesolithic, Neolithic, Megalithic periods to the medieval period. The objects are displayed in a chronological sequence along with posters explaining the historical significance. The major collection consists of a variety of artifacts of different periods and form different regions. The collection includes different varieties of pottery (Redware, Blackware, Black and Red Ware, Rouletedware, Chinese and glazed Islamic ware) burial urns, iron implements, beads, coins, Vattezhuttu



inscription and stones sculptures. Students are given a hands on experience in learning archaeology in the museum.

Department of Life Long Learning & Extension

- Socio-economic survey was conducted among the traditional artisans and craftsman in Central Travancore. Later Technical advice was imparted to the artisans and craftsmen to improve their efficiency levels for which workshops were conducted. Hassle –free production processes were chalked out. Later the produce of the artisans were exhibited in the University Campus at THANIMA for exposure and sales. All prominent artisans were honoured by the University.
- Socio Economic Survey is being conducted in the Ward VIII of Athirampuzha (Central) Panchayat, which has been chosen for adoption recently.
- Geriatric Mental Health survey in association with Department of Masters in Hospital Management, SME, before initiating interventions for Alzheimers disease.
- Socio- Economic survey planned in Edamalakkudy, the lone Adivasi Panchayat in South India for appropriate interventions with the active support of the Alumni Association. Proposal for setting up of a Cultural Centre in Edamalakkudi is under progress.

School of Tourism Studies

The activities of students from School of Tourism Sudies include social surveys, data collection, project management and case study done in consultation with local tourism/leisure industry suppliers. The programme is monitored and evaluated and is used to refurnish and acquire knowledge. This is used to acclimatize with the syllabus and distribution of knowledge. These community based academic activities complement the student's holistic academic development as they have to undergo a process of transparency and team work. The students also learn various leadership, communication and problem solving skills.

3.6.7 How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities.

School of Environmental Sciences

The School of Environemntal Sciences has given top priority to research with a focus to benefit the society. The school has identified lack of drinking water and sanitation as the two key issues faced by the rural society of this region. Research finding of this school has narrowed down to installation of rain water harvesting structures in a rural village 'Achinakom' in Vechur Panchayath where acute drinking water scarcity has been noticed due to saline water contamination. The school has started an extension programme 'Rain water for Humanity'in collaboration with Brown University (USA) through which about 25 rainwater harvesting structures (both individual as well as community level structures) have been successfully installed. The highlight of this programe is all these structures were constructed with the society's



participation and the people of this region maintain these structures by themselves. Based on the success of this programme, the school was granted the prestigious Indo- US collaborative project of UGC 'Singh – Obama 21st century Knowledge Initiative (UGC-OSI)'. The funding through this project helped to continue its research on establishing more cost effective rainwater harvesting structures and on sustainable sanitation suitable to this region.

School of Behavioural Sciences

The School of Behavioural Sciences ensures involvement in community activities and contribution to community development in its teaching research and extension activities. Some of the activities are given below:

- The School organised a hearing assessment camp collaborating with National Institute of Speech and Hearing, Thiruvananthapuram. Hearing aids were distributed free of cost for those found to have conductive hearing loss.
- During Onam festival, the NSS volunteers of the School identified eligible persons in the neighbouring Panchayat with help of local leaders and extended help in meeting their basic requirements.
- Organised a series of extension activities in the community to promote awareness regarding disability and rehabilitation under the programme JOTHIRGAMAYA.
- Organised and conducted medical camps to facilitate early identification of developmental disabilities under the scheme PRATHEEKSHA
- Organised and conducted a series of training programmes for ASHA workers, and parents to enhance skill in rehabilitation of persons with disabilities under the project NAIPUNYA.
- Orientation workshop on Braille English and Malayalam to school teachers.
- Seminar on National Trust Act, 1999 and Legal Guardian ship for the parents of individuals with autism, cerebral palsy, mental retardation and multiple disabilities.

Department of Life Long Learning and Extension

Reaching the fruits of the knowledge developed to the common man through appropriate methodologies is the objective of the Department.

- The Department offers Five programme Four certificate programmer of six month duration viz Yogic Science, Counselling, Organic Farming, Learning Disability and an year-long Diploma programme in Yogic Science. All the programmes are well received by the students cutting across the wider cross section of the society representing all age groups. The programmes enable the students to get the desired level of proficiency in the respective area. The students mandatorily attends to filed visits and public interface programmes.
- The students of Yoga under the supervision of the faculty regularly conduct extension activity through **Yoga For Masses**, a **Public Health Initiative**. Basics of yoga is introduced to the public as part of the



initiative, to check growing life style diseases and its impact on the public health, minimizing medicines and its side effects. Healthy disciplined way of living, healthy food habits, positive physical and mental health at moderate cost is imparted through this initiative. Prevention of diseases is the prime concern, ensuring enhanced overall efficiency of the individuals. The initiative has produced amazing results for the participants, students as well as the general public, in checking of unhealthy practices, as well as minimizing of the psychosomatic disorders, stress, depression and anxiety. 480 Yoga professionals who are appropriately skilled to provide training for the public have passed out from the Department during the last four years. More than 250 Yoga training centres have been launched by the MGU Alumni besides reaching the message of Yoga to more than 25,000 people through mass contact programme.

- To meet the acute shortage of qualified counsellors and for the sensitisation of the society, the department launched its certificate programme in counselling. 400 students covering the wider social circle right from farmers to doctors, engineers, police officials, teachers, nurses, advocates and social workers have cleared the program in the last four years. The Department offers **Counsellor on Call** to the students and educational institutions as and when required. More than 5000 students have been counseled through the system so far. Many Alumni have started Counselling Centres while others got employed or are utilizing their acquired skill sets in their area of work.
- The Department launched a certificate programme in learning disability rendering a helping hand to the suffering parents and their family. The students are trained to assess the EQ level of the children with scientific tools and appropriate intervention possibilities are also taught. They conduct field study and are equipped to recommend corrective mechanisms. The students and the faculty conduct regular Learning Disability Early Detection Camps for appropriate remedial measures for assured progression of the children with disability. Sensitisation programs also conducted for the benefit of the teachers.
- The University came up with the Certificate level programme in Organic Farming which has been well received. The students of the Department have been sent to all colleges under the University as brand ambassadors of organic farming. 100 Organic Farming Clubs have been set up in colleges under the university, and the cumulatively all the Clubs have produced vegetables worth Rs 50 lakhs.

School of Pure & Applied Physics

The department had hosted the *Shastrapratibha matsaram* for inculcating scientific temper in school students and 'student' police cadets, conducted by the Swadeshi Science Movement and the research scholars of the department had rendered voluntary service in conducting the competitions which were attended by a large number of students and their parents. Faculty as well as students interacted with the guests to the department in a most effective manner.



3.6.8 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

Awards/recognitions

Obama Singh 21st Century Knowledge Initiative

The School of Environmental Sciences was granted the prestigious Indo-US collaborative project of UGC 'Obama-Singh –21st century Knowledge Initiative (UGC-OSI)'. The funding through this project helped to continue its research on establishing more cost effective rainwater harvesting structures and on sustainable sanitation suitable to 'Achinakom' in Vechur Panchayath region of Kottayam district.

Dr.K.Sabukuttan, Head, Department of Life Long Learning and Extension

- Received Indira Gandhi NSS Award for the year 2013-2014 for the Best NSS Programme Co-ordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee.
- Received Indira Gandhi NSS Award (Certificate of Appreciation) for the year 2012-2013 for the best NSS Programme Co-ordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee.
- Received the IPCAI National Award for the outstanding contributions in the field of Community Organisation through National Service Scheme of Mahatma Gandhi University in November 2016.
- Received Life time Achievement Award in 2014 for promotion of yoga and Naturopathy from the Indian Martial Arts Academy Thrissur, Kerala
- Received Sarojini Damodar Foundation Award twice for the recognition of his service in propagating Organic Farming in 100 affiliated colleges under Mahatma Gandhi University during the year 2016 and also for the academic contributions in spreading the message of Organic Farming by starting Certificate and Diploma Courses at the University.
- Received Certificate of Honour for the incredible contributions in Social Service for the years 2012-13,2013-14 and 2014-15 by Kerala Action Force, Anwar Pain and Palliative Care and IMA Madhya Kerala
- Received the Youth Promotion Award 2014 from the Centre for Research and Action (CIRA) in recognition of Significant Contribution in the field of Youth Development
- Received the Best Programme Co-ordinator Award during the year 2013-14 and 2015-16



3.7 Collaboration

3.7.1 How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?

University promotes high level of collaboration with academia and industires from India and abroad. MoUs and LoAs have been signed with a large number of academic and industrial orgnisations. These collaborations resulted in joint publications, patents and excange of studetns and faculty members. Some of the important collaborations of various schools and Centres are listed below:

School of Computer Science

MNC's / organizations with which School of Computer Science constantly interact includes ISRO, C-DAC, C-DIT, NPOL, BARC, Siemens, Keltron, Microsoft, Oracle, Lucent Technologies, Infosys, Wipro, CMC, IMR, BaaN, HP, BFL Software, Pentasoft, US Software, HBS, Suntec, Polus Software etc. The school also maintains close academic tie-ups with Department of Computational Biology and Bioinformatics, Department of Computer Science, University of Kerala, ISRO Thiruvanathapuram, Cochin University of Science and Technology and Kannur University.

School of Chemical Sciences

School of Chemical Sciences has engaged in research activities in collobaration with the following institutions.

- Rzeszow University of Technology, Poland
- University of Ulster, Northern Ireland
- Institute for Polymer Research Dresden (IPF), Dresden, Germany (Prof. Dr. Manfred Stamm and Dr. Jurgen Pionteck)
- University Technology Mara (UiTM), Malaysia (Dr. Chan Chin Han)
- Vikram Sarabhai Space Centre, (ISRO), Trivandrum
- Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore
- NIIST(CSIR),Trivandrum
- Université Paris-Sud 11, Orsay, France
- Leibniz-institüt für Katalyse e.V (LIKAT), Rostock, Germany,
- NIIST-C Rajiv Gandhi Centre for Biotechnoloy, Thiruvananthapuram
- Kyushu University, Japan SIR, Trivandrum, Indian Institute of Science, Bangalore
- University of California, Santa Cruz, USA
- Vanderbilt University, USA
- University of Texas in Arlington, USA
- Functional Materials Division, Pusan National University, Busan, Korea
- University of Paris Sud, France



- National Chemical Laboratory, Pune
- University of Alberta ,Canada

School of Behavioural Sciences

The School of Behavioural Sciences has engaged in the research and extension activities in collaboration with the following institution and agencies.

- 1. National Institute for Empowerment of Persons with Multiple Disabilities (NIEPMD).
- 2. National Institute for Visually Handicapped (NIVH).
- 3. National Institute for Hearing Handicapps- Mumbai
- 4. Nirmala Sadan College of Special Education, Muvattupuzha
- 5. Vigyan Valley Institute of Learning, Eranakulam
- 6. National Institute for Hearing Handicapped (NISH) Thiruvananthapuram.
- 7. Snehasadan College of Special Education, Angamaly
- 8. Janey College of Allied Health, Eroor, Kochi.
- 9. St. John the Baptist College of Special Education, Nedumkunnam.
- 10. St. John of God College of Special Education, Velloor, Pampady.
- 11. Nirmalasadan Training College for Special Education, Muvattupuzha
- 12. National Institute for Speech and Hearing, Thiruvanthapuram
- 13. Mental Health Centre, Trichur, Calicut and Thiruvananthapuram
- 14. Vigyan valley, Ernakulam
- 15. AYJNIHH, Mumbai
- 16. National Institute for Visually Handicapped, Calicut
- 17. National Institute For Empowerment Of Persons With Multiple Disabilities, Chennai

School of Environmental Sciences

UGC-Obama Singh 21st century knowledge initiative programme: Faculty and student exchange was one among the major highlights of this Indo-US programme operated by the School and ACESSD (Inter-university Advanced Centre for Environmental Studies and Sustainable Development) in collaboration with three US universities; Brown University, Duke University and Plymouth State University.

The School of Environemntal Sciences (SES) has entered into collaborative research with CALTECH, USA. This collaboration is on sustainable sanitation titled "Development of Self contained, PV powered domestic toilet and waste water treatment system". Through this collaboration a team of researchers from CALTECH and SES have worked on the functioning of the toilet by monitoring the efficiency of the system. The major gains include knowledge gain with hands-on-experience and financial support to the scholar.



School of Pure and Applied Physics

International collaboration

- Dr. Indulekha K collaborates with International Science Development Team for Milky Way & nearby Galaxies which is nationally pooled funding by India TMT (Thirty Meter Telescope).
- Dr. Nandakumar Kalarikkal collaborates with UGC-DAE-CSR Kolkata (2014- 2017) on nanoparticle aggregation behavior in polymer nano-composites.
- Dr N V Unnikrishnan collaborates with Sultan Qaboos University for research programs in the field of Self assembly of nanostructures. He also collaborates with CSIR and Central Glass and Ceramic Research Institute.
- Collaboration with University of Leeds in the field of Sol Gel; materials and Characterization.

Other Institutional Collaborations

- 1. Bhabha Atomic Research Centre (BARC), Mumbai
- 2. Centre for Materials for Electronics Technology, Thrissur
- 3. Cochin University of Science & Technology Cochin
- 4. Inter University Centre for Astronomy & Astrophysics -Pune
- 5. Institute of Microbial Technology Chandigarh.
- 6. Raman Research Institute, Bangalore, India
- 7. Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India
- 8. UGC-DAE Consortium for Scientific Research-Kolkata Centre,
- 9. Inter University Accelerator Centre, New Delhi, India
- 10. Instituto de Optika, CSIC, Madrid, Spain.
- 11. City University of Hong Kong, Hong Kong.
- 12. Walter Sisulu University, South Africa
- 13. Jožef Stefan Institute, Ljubjana, Slovenia
- 14. Trent University, Canada

School of Letters

School of letters has conducted a number of programmes in collaboration with Sahithya Akademy, New Delhi, Kerala sahithya Akademy, National Translation Mission, Kerala Folklore academy, Kerala Chalachithra Academy etc.

School of Management and Business Studies

SMBS has collaboration with Management Development Institute, Gurgaon which has benefitted SMBS academically.

School of Tourism Studies

Collaborative research with Indian Institute of Tourism and Travel Management, Ministry of Tourism, ICSSR, District Tourism Promotion



Councils, nongovernmental organizations, rural self help groups etc. has enabled the school to bring excellence in academics by opening up new avenues for co-operation and diversification of activities. Interactions and linkages with faculty members of other institutions have helped the School to develop new innovations in curriculum development, research and consultancy.

International and InterUniversity Centre for Nanoscience and Nanotechnology-IIUCNN

This centre collaborates with the following national institutes / industries:

- 1. Dept of Materials Enginnering, Indian Institue of Science (IISc), Banglore
- 2. Rubber Research Institute of India, Kottayam, Kerala, India 686 009
- 3. NIIST, Trivandrum, Kerala, India 695 012
- 4. Central Power Research Institute, Bangalore, India 56094
- 5. Vikram Sarabhai Space Research Centre, Trivandrum, India
- 6. Rubber Technology Centre, Indian Institute of Technology, Kharagpur, India
- 7. COMPTECH, Indian Institute of Technology, Chennai
- 8. Polymer Chemistry Division, National Chemical Laboratory, Pune, India
- 9. Sree Chitra Thirunal Institute of Medical Sciences and Technology, Trivandrum, Kerala, India
- 10. Central Institute of Plastic Engineering and Technology, Guindy, Madras, India
- 11. Department. of Polymer Science & Rubber Technology, Cochin University of Science & Technology, Cochin 22, Kerala, India
- 12. Indian institute of Chemical Technology, Hyderabad, India
- 13. Laboratory of Condensed Matter Physics, Department of Physics, University of Rajasthan, Jaipur, India
- 14. Reliance Industries Limited, Maker Chambers IV, 3rd Floor, 222, Nariman Point, Bombay
- 15. Elastomers Technical Services, Madurai, India
- 16. High Polymer Engineering Division, Department of Chemical Engineering, Indian Institute of Technology, Madras, India
- 17. Department of Chemistry, Karnatak University, Dharwar, Karnataka, India
- 18. Department of Civil Engineering, Indian Institute of Technology, New Delhi, India
- 19. Common Facility Service Centre, Industrial Estate, Changanacherry, Kottayam, Kerala, India
- 20. Department of Physics, University of Mysore, Mysore



Collaboration with international institutes / industries:

- 1. Macromolecular Science & Engineering Research Centre, Laval University, Quebec, Canada GIK7P4. (Prof. Prud 'homme)
- 2. Abt. Kunststoffee/Verbundwerkstoffe, TU Hamburg-Harburg, AB 5-09, Denickestraβe 15, D-21073 Hamburg, Germany (Prof. V. Alstädt)
- 3. Technische Universitat Chemnitz, Polymerchemiie, Straβe der Nationen 62, 0911 Chemnitz, Germany (Prof. Steffan Spange)
- 4. Directeur de ENSCCF, 24 avenue des Lais, BP 187 63174 Aubiere, Cedex, France (Prof. Jacques Lacoste)
- 5. Laboratory of Macromolecular Structure Chemistry, Department of Chemistry, Katholieke University of Levuen, Belgium (Prof. Gabriel Groninckx)
- 6. Martin-Luther-Universitat Halle Witenberg, FB Physik, Fridemann-Bach Platz 6, 06108, Halle, Germany (Prof. Manfred Knorgen)
- 7. Assoc. Prof. of Polymer Physics, University of Chemical Technology Metallurgy, 8, Kilment Ohridski Blvd., 1756 Sofia, Bulgaria (Dr. Christo Betchev)
- 8. Institute of Material Science & Technology, Martin-Luther-Universitat, Halle-Wittenberg, Postanschrift D-06099 Halle, Haussanschrift Geusaer Straβe, Germany (Prof. (Dr.) Ing. Hans-Joachim Radusch)
- 9. Institute of Composite Materials Ltd., University of Kaiserslautern, Kaiserslautern, Germany (Prof.(Dr.) Jozef Karger Kocsis)
- Institute of Polymer Research, Hohe Strasse 6, D- 01069 Dresden, Germany (Prof. Manfred, Stamm, Dr. Jurgen Pionteck, Dr. Petra Poetschke Dr. Cornelia Bellman)
- 11. CNRS Lab, Laboratoire de Recherche sur les, Polymers, UMR 7581-CNRS, 2-8 rue Henri Dunant, 94320 Thiais, Paris, France (Prof.(Dr.) Francoise Laupretre)
- 12. R&D, Du Pont, Wilmington, Delaware, USA (Dr. Joseph V. Kurian)
- 13. Institut des Matériaux de Rouen, faculté des sciences, BP12, 76801 Saint etienne du rouvray, responsable de LECAP, équipe de l'UMR6522 Polymères-Biopolymères-Membrane, France (Prof. Jean Marc Saiter)
- 14. Laboratoire L2PIC, University of South Brittany, Rue Saint Maude, Lorient Cedex, France (Prof. Yves Grohens)
- 15. Polymers Nanotextures & Nanocomposites, Centre de Recherche sur la Matiere Divisee1B, rue de la Ferollerie, 45071 Orleans Cedex 2, France (Dr. Christophe Sinturel)
- 16. Beijing University of Chemical Technology International Exchanges and Cooperation Dept, Add. No.15 Beisanhuan East Road, Beijing 100029, P.R. China (Dr. Yang Weimin)



Centre for High Perforance Computing-CHPC

1. Research scholars of School Chemical Sciences and School of Pure and Applied Physics are availing the facilities of the Centre.

Institute for Contemporary Chinese Studies - ICCS

- 1. Jinan University, Guangzhou, China.
- 2. Institute for Chindian Studies, Jinan University, Guangdong Province, China.
- 3. Catholic University of Korea (CUK), Seoul.

3.7.2 Mention specific examples of how these linkages promote

a) Curriculum development

In School of Environmental Sciences, the UGC-Obama Singh 21st century knowledge initiative programme has helped to update the curriculum in consultation with the US scientists/ scholars.

b) Internship

• With help of Obama-Singh programme, School of Environmental Sciences has undertaken active student exchange/ internship programme with three Universities in US (Brown, Plymouth, Duke)

School of Tourism studies has linkage with 23 travel and tour companies and 6 major hotels and resorts for internship training (Travel Services Internship and Hospitality Services Internship) of students as part of the PG programme.

The final year students of School of Management and Business Studies are getting an opportunity to attend a one month summer internship at Management Development Institute, Gurgaon

c) On-the-job training

Some of the M.Tech studetns of School of Chemcial Sciences go to Industires to get on the job training

d) Faculty exchange and development

In School of Environmental Science the collaboration with Pohang University of Science and Technology, Korea, facilitated two Ph.D students to have research training for about 1 year during their course period. The collaboration with University of Paris (E) facilitated mutual visit of Senior Professors from both the sides and this resulted in joint publications as well

Linkages established with agencies have made it possible for students of School of Tourism studies to undergo compulsory internship in tour and travel companies as well as hospitality establishments as part of their programme.

e) Research

In School of Environmental Sciences, the Obama-Singh knowledge initiative programme has accelerated many research programmes in specialised areas as well as programmes of societal importance. Research areas initiated: Community rain water harvest systems; Fuel cell development; Ecology and water quality sensors



f) Publication

Has helped to increase the number of publications as well as impact factor of the publications. IIUCNN have many joint high impact publications with many labs abroad

g) Consultancy:

The university has generated a considerable amount of Rs. 66.19 lakhs as a result of its consutancy services in various fields of activity.

h) Extension

The School of Environmental Sciences has started an extension programme 'Rain water for Humanity'in collaboration with Brown University (USA) through which about 25 rainwater harvesting structures (Both individual as well as community level structures) have been successfully installed. The highlight of this programe is all these structures were constructed with the society's participation and the people of this region maintain these structures by themselves. As a result of its extensive extension activites, the school of could bag Obama-Singh 21st century Knowledge Initiative (UGC-OSI)'project and the school received substantial funding through this project. This has helped the school to research more on establishing cost effective rainwater harvesting structures and on sustainable sanitation suitable to this region

i) Student Placement

In the School of Tourism Studies almost all pass out students are placed in reputed travel, tour and hospitality establishments. The School has linkage with twenty travel and tour companies companies for placement.

j) Any other (please specify)

In School of Environmental Sciences, a team of researchers from CALTECH and SES have worked on the functioning of the toilet by monitoring the efficiency of the system. The major gains include knowledge gain with hands-on-experience and financial support to the scholar.

3.7.3 Has the university signed any MoUs with institutions of national/international importance/other universities/ industries/ corporatehouses etc.? If yes, how have they enhanced the research and developmentactivities of the university?

Yes. The School of Environmental Sciences has various MoUs with institutions like: CALTECH, USA, BARC Mumbai, Duke University, USA, Plymouth State University, USA, Brown University, USA, Pohang University of Science and Technology, Korea, University of West of England, UK, National Centre for Antarctic and Ocean Research (NCAOR), Goa (Linkage)

National Remote Sensing Agency, Hyderabad. Under all these programme research in frontier areas of Environemntal Science is being carried out. In addition there is ongoing programme on student exchange with some of these institutions. There are also joint publications with some of these institutions. Under the collaboration with NCAOR, Goa we are now part of the Arctic



expedition programme of India. Researchers from the School have been visiting Arctic under this expedition programme since 2013.

School of Pure and Applied Physics has signed the following MoUs:

- National pooled funds utilized for the promotion of teaching & research in Astronomy & Astrophysics under a MoU with the Inter University Centre for Astronomy & Astrophysics (IUCAA, Pune)-DrIndulekha K
- 2. National pooled funds utilized for science development for the Square Kilometer Array under a MoU with the Square Kilometer Array India Consortium Dr.Indulekha K

School of International Relations and Politics: The School has signed MoUs with the Jinan University, China, Institute of Political Studies, Renn, Institute of Political Studies, Bordeau, France and the University of Jammu.

School of Management and Business Studies

Mahatma Gandhi University has signed an MOU with Management Development Institute, Gurgaon which is benefitting the final year students of School of Management and Business Studies. Students are getting an opportunity to attend a one month summer internship at MDI. These students are selected through a rigorous process by the University management department on the basis of merit and other criteria set by the university department. MDI offers a limited number of courses of study that can be taken up by the students for the purpose of supplementing the course curriculum offered by their home institution. These courses act as a substitution to some of the elective courses that students may have otherwise pursued at the home institution. These will be recognized through grade transfers from MDI and accepted by the home institution/ partner institution, ensuring work-load balance for the student.

School of Behaviuoral Sciences has MoUs with the following institutions

- 1. Snehasadan College of Special Education, Angamaly
- 2. Janey College of Allied Health, Eroor, Kochi.
- 3. St. John the Baptist College of Special Education, Nedumkunnam.
- 4. St. John of God College of Special Education, Velloor, Pampady.
- 5. Nirmalasadan Training College for Special Education, Muvattupuzha

School of Computer Sciences

The University has entered into partnership with the Spoken Tutorial Project Team of IIT Bombay.

Dr. Bindu V R, Head of Department, School of Computer Sciences is the chief co-ordinator of the University. An MoU was signed on 27.08.2014.

The Spoken Tutorial Project is an initiative of the National Mission on Education through ICT, Ministry of Human Resource Development, Government of India. The objective is to conduct Software Training Workshops on FOSS (Free & Open Source Software), absolutely Free of Cost, with the aid of Spoken Tutorials.



International and InterUniversity Centre for Nanoscience and Nanotechnology has the following MoUs:

MoU Signed with National Institutes

- 1. MRF Ltd, Chennai
- 2. Pushpagiri Reserach Centre, Kerala, India
- 3. Department of Mechanical Engineering, Rajiv Gandhi Institute of Technology, Kottayam
- 4. VIT University Velloor, Tamilnadu
- 5. Aalathoor Pharmaceutical Manufactors Association, Kerala, India
- 6. GE India Technology Centre Pvt.Ltd,Banglore

MoU Signed with International Institutes

- 1. King Mongkuts University of Technology North bangok Thailand
- 2. The Ecole Nationale Superieure des Minesd'Albi-Carmaux,France
- 3. Bursa Technical University, Turkey
- 4. University of Technology Faculty of Production Engineering Instistute of Mechanics and Printing Department of Printing Technology, Croatia
- 5. Dekin University, Australia
- 6. University of Le Mans France
- 7. University of Kazakhstan, Kazakhstan
- 8. University of Rouen, France
- 9. Universiti Tecknologi ,MARA,Malesia
- 10. Walter Sisulu University, South Africa
- 11. Kansas State University USA
- 12. Laboratoire Des Sciences Anlytiqes CNRS UMR5280,France
- 13. University of Lorraine, Nancy France
- 14. Deakin UniversityWater front campus,Geelong,Australia
- 15. Changwon National University, Korea
- 16. Almaty Institute of Power Engineering and Telecommunication, Kazakhstan
- 17. Siberian Federal University Russian Federation, Russia
- 18. University of Petoria, South Africa

These MoUs have helped the centre to have many joint high impact publications, patetns and student exchange programme.



3.7.4 Have the university-industry interactions resulted in the establishment /creation of highly specialized laboratories / facilities?

Interactions with industry has resulted in improving the research facilities available in the University department which are involved in University-Industry collaborative research. Atomic Force Microscopy was setup in School of Chemical Science in collaboration with Apollo Tyres, India. The Ingenuity Lab of University of Alberta has signed an MoU with Mahatma Gandhi University to set up Ingenuity lab in the MGU campus.

Any other information regarding Research, Consultancy and Extension, which the University would like to include.

At present Mahatma Gandhi University offers research programmes in over forty disciplines through its own Schools as well as through its approved research centres.

- The University has close collaboration for academic, research and extension programmes with a number of national agencies and institutions including the UGC, DST, DRS, ISRO, COSIST, CSIR, DAAD, STEC, ICMR, BRNS, MoES, ICCR, ICHR, IED, IIFT, Institute of Chinese Studies and the Sahitya Akademi.
- The University is also involved in active collaboration with research institutions of international reputation such as the Max Planck Institute, Germany, Institute of Polymer research, Dresden, Germany, University of Paris 12, France, University of Strasbourg, France, Deakin University, Australia, Brown University, USA, University of Nantes, France, California Institute of Technology, USA, University of Toronto, Canada, Catholic University, Belgium, Heidelberg University, Germany, and the Institute of Political Studies, Rennes, France, POSTECH, South Korea.
- The web-enabled University Library with its large collection of books, journals and e-journals, the online theses digital library that provides open access to its enviable collection of digitized Ph D dissertations, the publishing unit which has brought out hundreds of titles in Malayalam, English and Hindi, the facilities available at the School of Physical Education and Sports Sciences for developing physical culture, the ecologically sensitive extension programmes initiated by the University Departments and the National Service Scheme, the Students' Web Centre that provides round-the-clock web-support to the campus community.
- The Department of Science and Technology identified 30 Universities with H-index ranging from 42-26 for R&D support during 2010- 2011. Mahatma Gandhi University, Kottayam with an H-index of 35 was ranked 8 among the 30 Universities.
- Further a second study was conducted by DST during the second phase
 of the PURSE programme based on research output of the University.
 Based on the h-index value of the publication the second phase of



- PURSE has been sanctioned to 14 Universities in India of which Mahatma Gandhi University was also a receipient.
- Prof. Dr. Sabu Thomas, Professor, School of Chemical Sciences and Hon.Director International and Inter University Centre for Nanoscience and Nanotechnology has the highest h-index (78), highest number of Citations (26,655) and highest number of publication (820) as per Google scholar in the state of Kerala.
- Mahatma Gandhi University Kottayam was one among the four institutions and the only state university in India for having been awarded the "Obama-Singh 21st Century Knowledge Initiative" by UGC for the perid 2012-15.
- The research output of Mahatma Gandhi University was again recognised by DST and was sanctioned funds for establishing the SOPHISTICATED ANALYTICAL INSTRUMENTATION FACILITY (SAIF) 2015-2018.
- Mahatma Gandhi University was the only Universityin Kerala to be awarded the the DBT BUILDER Programme for the period 2012-17.
- Mahatma Gandhi University was part of India's expedition in Polar regions.
 - School of Environmental Sciences has started participating in Indian Arctic Expedition program of ESSO-National Centre for Antarctic and Ocean Research, Ministry of Earth Sciences since 2013 through a project titled "Mercury Geochemistry in the Sediments of Kongsfjorden, Ny-Alesund, Arctic" (PI: Dr. Mahesh Mohan). The project was completed with two expeditions (2013-14 and 2014-15).
- School of Environmental Sciences has actively participated in the Polar (Arctic and Antarctic) environmental research expert committees. Dr. CT Aravindakumar was an expert member of Arctic selection committee 2015 and Antarctic Selection Committee 2016. He was also selected as Group leader in Environmental Science, Polar science policy deduction for Ministry of Earth Science, 2016.
- The linkage between School of Environmental Sciences and ESSO-NCAOR has helped Mahatma Gandhi University to excel in the Polar Research. Both faculty and students (6 nos.) has got opportunity to participate in Arctic Expeditions. Three scholars were doing their research on Arctic Environment.
- Some of the faculty members serve as experts in the working group of the Kerala state planning board, Government of Kerala. Prof. K.M Seethi, SIRP, Prof.Sabu Thomas and Prof.C T Aravindkumar, SES are currently serving the planning board.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES



CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1Physical Facilities

4.1.1 How does the University plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The University has a Planning Board headed by the Vice-Chancellor and consists of nominees of the Chancellor, UGC and State Planning Board followed by Registrar, Finance Officer and members nominated by various teaching departments. University gets financial assistance from the UGC and state government. The Planning Board examines concrete proposals from various departments based on their actual requirements and takes appropriate decisions. The Syndicate of the University has constituted a Works Monitoring Committee which consists of Syndicate members amply supported by the University Engineer and an external technical expert who monitors and supervises all the ongoing construction projects of the University.

The Planning and Development wing of the University deals with the submission of proposals related to infrastructure, asset management, and space management. It includes mobilization and administration of plan funds from the State, UGC, sponsoring bodies like Department of Science and Technology, Department of Bio-technology, Indian Council of Medical Research, Indian Council of Social Science Research, Council of Scientific and Industrial Research, Kerala State Council for Science, Technology and Environment (KSCSTE) etc.

University ensures optimal utilization of the common facilities by making it available to all Schools/Centres. A common Assembly Hall provides facilities for the conduct of conferences, seminars, symposia, workshops etc. The University Library is a central point of dissemination of knowledge and is utilized by the University community and the general public. This is in addition to the department level facilities like conference/ seminar halls, smart class rooms, department libraries, laboratories etc available in the various Schools. The decentralised administrative structure enables Schools/Centres concerned to address the issue of laboratory space, class-room facilities etc. The Faculty Council of the Schools/Centres effectively deals with space management issues in their respective Schools/Centres.

4.1.2 Does the University have a policy for the creation and enhancement of infrastructure in order to promote a good teaching learning environment? If yes, mention a few recent initiatives.

Yes. The University has a policy for the creation and enhancement of infrastructure in order to promote a good teaching/learning environment. The policy for infrastructure development is based on inputs received from Schools and Centres along with general requirements. The University utilizes plan



funds (non-recurring) for creation of assets and non-plan funds (recurring) for its maintenance. The E-payment and e-tender facilities are major initiatives in reducing the time delay in a transparent manner in inviting and processing tenders for various works related to the University as well as speedy delivery of financial transactions including salary disbursement.

Most of the plan and non-plan funds are obtained from the State Government and also through own sources. The built infrastructure of the University is as follows:

BUILT UP AREA AS ON 31st MAY, 2010

SI.No	Campus	Total Built up Area (till may 2016)(m²)
1	Priyadarsini Hills Main Campus	82080 m ²
2	School of Social Sciences, Pullarikkunnu	5372 m ²
3	School of Indian Legal Thought, Suryakaladi Hills	3560 m ²
4	University College of Engineering, Thodupuzha	4200 m ²
5	School of Medical Education (SME),Puthuppally	5717 m ²
6	SME, Cheruvandoor	1331 m ²
7	SME, Pathanamthitta	2300 m ²
8	SME,Manimalakunnu	3800 m ²
9	SME,Pala	3600 m ²
10	SME,Gandhinagar	8365 m ²
11	STAS Pullarikkunnu	3100 m ²
11	STAS, Edapally	2038 m ²
12	STAS, Pathanamthitta	2600 m ²
	TOTAL	1,28,063 m ²

NEWLY BUILT UP AREA FROM JUNE2010 - MAY 2016

SI.No	Campus	New Construction Project After June 2010	Total Built up Area(till may 2016)(m ²)
1	Main Campus	Library Extension	500.4 m ²
2	Main Campus	Hostel for OBC Women	1048 m ²
3	Main Campus	School of Behavioural Sciences	2217 m ²
4	Main Campus	New Men's hostel	1261 m ²
5	Main Campus	I.I.R.B.S	3717 m ²
6	Main Campus	SMBS 1 st and 2 nd floors	5449 m ²
7	Main Campus	Animal House, SOBS	217 m ²
8	Main Campus	Creche	187 m ²
9	Main Campus	School of Pedagogical Sciences-First Floor	2060 m ²
10	Main Campus	Sports Hostel	1800 m ²
11	Main Campus	Quarters for VC and PVC	480 m^2
12	Main Campus	Computer Sciences-Extension	554 m ²
13	Main Campus	Living Quarters for Staff (64 nos)	6031.6 m ²
14	Main Campus	Seminar Hall (SPAP)	322 m^2
15	Main Campus	Construction of Synthetic Acrylic Court	
16	SME, Puthuppally	SME, Puthuppally	3346 m ²
17	SME, Nedumkandom	SME, Nedumkandom	2602 m ²
18	UCTE, Thottakkad	UCTE, Thottakkad	581 m ²
19	UCTE, Kudamaloor	UCTE, Kudamaloor	636 m ²
20	UCTE, Thodupuzha	UCTE, Thodupuzha	672 m ²
21	STAS, Pullarikkunnu	STAS, Pullarikkunnu	3100 m ²
		TOTAL	36781 m ²

ONGOING CONSTRUCTION -BUILT UP AREA

SI.No	Campus	Ongoing Construction Project	Total Built up area (m²)
1	Main Campus	Convergence Academia Complex	9945 m ²
2	Main Campus	Pareeksha Bhavan Annexe	900 m ²
3	Main Campus	New Ladies Hostel	1261 m ²
4	SME, Manimalakunnu	SME, Manimalakunnu	2814.5 m ²
5	Main Campus	Seminar Hall, Library and Reading Room(School of International Relations & Politics)	535 m ²
6	Main Campus	(SOCS)Horizontal Extension	516 m ²
7	Main Campus	Two additional floors over SJPB	900 m ²
8	Main Campus	Research Studio for IUCSSM	650.56M ²
9	Main Campus	School of Tourism Studies	
		TOTAL	17522.06 m ²

The University received a fund of Rs. 20 Crores from Rashtriya Uchathar Shiksha Abhiyan (RUSA) infrastructure fund in 2016 for the development of infrastructure, renovation and purchase of equipment, computers and books etc.

RUSA Infrastructure Fund

Sl.No.	Item	Amount (Rs in Lakhs)
	Proposal -I Infrastructure Development	
1.	Student amenity and Incubation Centre for student entrepreneurship, support and career development a. Construction of the Centre b. Procurement of equipment c. Establishment of e-library d. Facility for video conferencing with worldwide	350
	entrepreneurs	
2.	 e. Online Career development training Wi-Fi enabled e-campus to enable online access to all statutory departments, inter university and inter school centres and affiliated colleges to facilitate online academic programmes a. Procurement of 10 TB server and other computer hardware and software. b. Establishment of Wi-Fi facility in the campus c. Establishment of e learning and support centre d. Establishment of a digital content management system 	250
3.	Campus beautification including ramp construction for the disabled a. Construction of ramps and disabled friendly toilets in all multi-storeyed buildings of the University b. Development of an eco-friendly landscape c. Development of a sacred grove including construction of a pond etc. d. Renovation of all basic amenities in the campus	100
	Proposal -II Renovation	
4.	Repair and maintenance of various buildings of the University	200
5.	Installation of Solar Power Plant System	350
6.	Establishment of digitising facility in the University library a. Construction of Library annexe for digitising facility	150



	b. Procurement of hardware and software for the digitisationc. Procurement of other furniture	
P	roposal -III Equipment, Computers and Books	
7.	Purchasing of lab equipment for the four Science Departments	260
8.	Setting up of Digital Content Creation Lab	85
9.	Setting up of Music Research Centre at Inter University Centre For Studies in Science of Music(IUCSSM)	115
10.	Purchasing of books for the statutory departments of the University	16
11.	Purchase of computers for the ongoing e-governance programme and the CETEX	124
	Total	2000

Expenditure for Infrastructure Development (Plan Expenditure)

Year	Amount (Rs in lakhs)
2011-2012	2384.68
2012-2013	2299.72
2013-2014	1500.43
2014-2015	2994.40
2015-2016	2182.96

Based on national rankings (*h*-index 66, as obtained from WEB of Sciences, the highest index achieved by any University in Kerala), the University was able to receive 9 crore rupees under the PURSE programme of DST in 2016 demonstrating the higher academic standing of the University in the nation.

The University has provided video conferencing/smart classrooms in various Schools with the purpose of promoting interactive learning among the students. The University has equipped the smart classrooms with state of the art infrastructure like smart boards, LCD projectors, multimedia devices etc.



In pursuance of the University's quest to groom entrepreneurial skills among staff and students through student start-ups, the Government of Kerala has sanctioned Rs.1 crore to create a Business Innovation and Incubation Centre (BIIC), which is the first of its kind in the state. The main aim of BIIC is to kindle the entrepreneurial spirit of youth and provide customized support to early stage business ideas with high growth potential. BIIC is aimed to become a hub for innovation activities with the development of ideas into innovative applications through patenting process that can benefit the society. Funds so procured are meant to enhance teaching/learning environment.

The University has also started construction of a 9–floor Convergence Academia Complex, where the emerging interdisciplinary centres of the University will be housed with state of the art laboratory and infrastructure facilities. An amount of Rs. 28 crores is allotted for its construction and almost half of the allotted amount is utilized and is nearing completion.

University also received a central funding of Rs. 10 crores for the setting up of an Inter University -Instrumentation Centre (IUIC) which houses sophisticated instrumentation facilities for characterizing materials. This facility is being effectively utilized by academic institutes and industries.

4.1.3 How does the University create conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

Continued funding through plan and non-plan grants to the various Schools/Centers is done for augmenting research facilities. Over the years, the University has established common computing facilities, high performance computing, establishment of work stations and DST funded Sophisticated Advanced Instrumentation Facility (SAIF), state-of-the-art-facility for microscopy (optical, SEM, TEM, and AFM), X-Ray and spectroscopy (NMR)techniques. For the improvement of laboratory infrastructure with high-end equipment, the university has received a grant of Rs. 9 crores from DST PURSE, Rs.2 crores from DST-SAIF and Rs.1 crore from State Government for incubation/innovation facilities. In addition to the above, research laboratories are established and further strengthened by utilizing the funds received through a number of externally funded projects (which has been detailed in Criterion III). All Schools in the science stream are equipped with state-of-the-art instruments in their research laboratories as shown below.

List of major scientific instruments (above 5 Lakhs) Procured during 2010-16

Schools/Departments/Centers	Sl.no.	Name of Instrument	Cost in lakhs
School of Biosciences	1.	State-of-the-art Labs for Teaching including Minor equipment's for Post graduate laboratories	16.00
	2.	Installation of Online UPS and Stabilizers in animal cell culture and Instrumentation room	8.00
	3.	Inverted Microscope with Phase contrast and Fluorescence attachments	14.00
	4.	Langendroff perfusion system with accessories	15.00
	5.	HPTLC (DST-PURSE)	31.00
	6.	HPLC Preparative	22.00
	7.	UV-VIS Spectrophotometer Model UV-2600 ISR -2600 plus	15.00
	8.	FT-IR with ATR	15.00
	9.	-80° C Freezer	6.00
	10.	Elisa Reader with washer	13.00
	11.	Tali Image based Cytometer	6.50
	12.	Dynamic Contact angle meter	11.50
	13.	PCR (RT)	12.00
	14.	HPLC with MS Detector	40.00
International & Interuniversity Centre for	1.	High Resolution Transmission Electron Microscope (HR-TEM)	500.00
Nano science & Nano Technology	2.	Atomic Force Microscope	50.00
recimology	3.	Autoclave	5.00
	4.	Brabender	60.00
	5.	Compression Moulder	10.00
	6.	Dielectric Measurement System	30.00
	7.	Differential Scanning Calorimeter	30.00
	8.	Dynamic Contact Angle Meter	20.00
	9.	Electrospinning Unit	10.00
	10.	Lyophilizer	5.00
	11.	ME Coupling Set up	5.00

	12.	Nd:YAG Laser	20.00
	13.	Pulsed Laser Deposition	15.00
	14.	Z-Scan	5.00
	15.	Ultrasonicators	5.00
	16.	UV-Visible-NIR Spectroscope	50.00
	17.	Vector Network Analyzer	20.00
	18.	DLS	30.00
	19.	Autoclave	5.00
Institute of Intensive	1.	400MHz BRUKER NMR	155.00
Research in Basic Sciences	2.	Nitrogen Gas Generator	10.00
	3.	Semi preparative HPLC with ELS Detector	30.00
	4.	Atomic Absorption Spectrophotometer	10.00
	5.	FT - IR	15.00
	6.	Microwave Digester	5.00
	7.	UV-Visible Spectrophotometer	8.00
	8.	High Speed Refrigerated Centrifuge	5.00
	9.	Lyophilizer	5.00
School of Chemical Sciences	1.	BET Surface Area Analyzer	31.00
	2.	Differential Scanning Calorimetry	45.00
	3.	TG-GCMS	65.00
	4.	UV-vis. Spectrophotometer	15.00
	5.	Optical Microscope	15.00
	6.	Raman Spectrophotometer	41.00
	7.	Electrochemical Work Station	8 .00
	8.	FT-IR	23.00
	9.	Rheometer	30.00
	10.	SEM/ EDAX	40.00
	11.	UTM	10.00
	12.	TORQUE RHEOMETER	53.00
	13.	Permeability meter	5.00
	14.	Microwave Reactor	11.00
	15.	TMA	18.00



16.	ELSD	5.98
17.	Evaporative Light Scattering detector	7.00
18.	Powder XRD	55.00
19.	Atomic force Microscope	50.00
20.	Gas permeability tester	15.00
21.	Porosity Meter	30.00
22.	CHN Analyzer	20.00
23.	Electrospinning Unit	10.00
24.	Microwave irradiator	10.00
25.	Thermo Mechanical Analyzer	15.00
26.	Photochemical Reactor	10.00

School of Environmental Sciences	1.	Remote sensing and GIS facility with all latest computing facility and software	25.00
	2.	LCMS (DST-PURSE)	162.00
	3.	LC QTOF (DST-PURSE)	163.00
	4.	GC MS – TCD	38.00
	5.	Gas Chromatograph	15.00
	6.	ICP-MS	80.00
	7.	Total and methyl mercury analyzer – CVAFS	20.00
	8.	Microwave digester	8.00
	9.	Trace metal analyzer	5.00
	10.	Ion chromatograph	12.00
	11.	Ultra-pure water system	5.5
	12.	Direct Mercury Analyzer	16.00
	13.	Class 100 clean room facility	10.00
	14.	Microwave Digester (Anton Par)	9.4
	15.	Freeze dryer	6.39
	16.	GC-ECD-FID-TCD	25.00
	17.	Accelerated Solvent Extractor	15.72
	18.	Petrological Microscope	5.00
	19.	Spectro radiometer	5.00



	20	Confocal Micro Raman – AFM (DST SAIF)	145.0
	21	Fluorescence Spectrometer with Life Detector (DST SAIF)	54.00
	1.	Powder X-ray Diffractometer	48.00
	2.	LCR meter	15.00
	3.	Micro hardness Tester	6.00
	4.	Spectrophotometer	10.00
	5.	Spectrofluorophotometer	10.00
	6.	Advanced fluorescence Microscope	10.00
	7.	Spin Coater	5 .00
	8.	Single Crystal X-RAY Diffractometer (DST-PURSE)	150.00
Calaada e Daara	9.	Spectroscopic Ellipsometer (DST-PURSE)	42.00
School of Pure and Applied Physics	10.	Time resolved FluoromaxFluorimeter	32.00
	11.	Differential Scanning Calorimeter	33.00
	12.	UV VIS N1R Spectrophotometer	21.00
	13.	UV vis spectrophotometer	5.00
	14.	High Tem Programmable furnace	5.00
	15.	TGA DTA (ThermogravimetrcAnalyzer)	20.00
	16.	AC DC conductivity measurement set up	15 .00
	17.	Computer server and Networking	15.00
	18.	High Computing Facility	5.00
Inter University	1.	HPLC	15.35
Instrumentation Center	2.	FTIR	12.15
	3.	Trinocular Microscope	12.80
	4.	Layer by Layer Dipping Device	13.15
	5.	TGA/DTA/DSC	36.17
	6.	iCAP QC Quadruple ICP-Mass Spectrometer (DST-PURSE)	67.74
	7.	UV- VIS Spectrometer	13.96
Total value of major procured during 2010-		tific instruments (above 5 Lakhs)	Rs. 3232.31 lakhs



Computing, Library and Allied Facilities:

All Schools have independent library and other facilities. Most of the Schools have well maintained computer labs. Some schools have fully furnished language labs. In short, the university has ensured the following facilities to enhance the physical ambience which include:

- Well-furnished faculty room for each staff member with personal computers having internet connectivity
- Wi-Fi connectivity in all the Schools
- Research laboratories in each science department
- Computer lab facilities in all Schools
- Subject specific libraries in Schools
- Quarters for teaching staff in the campus itself
- Gymnasium, indoor and outdoor stadiums in the campus
- University bus services
- Post office
- Bank and ATMs in the campus
- Co-operative stores
- Cafeteria and snack counters
- University Health Centre
- Crèche
- Internet cafe and DTP workstations

4.1.4 Has the University provided all departments with facilities like office room, common room and separate rest rooms for women students 'and staff?

Yes. All Schools/Centres of the university have separate office room, common room and separate rest rooms for women staff and students. Women friendly toilets with additional facilities like sanitary napkin disposer are provided to promote hygiene and sanitation.

4.1.5 How does the University ensure that the infrastructure facilities are disabled-friendly?

The university has conducted a comprehensive access audit to evaluate the state of accessibility in the campus. All the Schools and offices in the University are connected with well-maintained roads. Ramps are provided to help the differently-abled and the wheel chair bound people to access various facilities. The university has availed Rs. 1 crore under the RUSA scheme for



the construction of ramps and disabled-friendly toilets in all buildings of the University. The classes for differently-abled students are arranged in the ground floor to the maximum extent possible. The university has decided to provide wheel chairs in all the buildings. University has also initiated steps to procure an eco-friendly battery operated vehicle with wheel chair access along with preferential parking facilities to ensure barrier free transportation in the campus. Electronic Lab for Visually Challenged has been set up in the library during October 2015 with an objective to provide reading facilities to blind and low vision library users.

As per U.O No. 4308/P&D -1/3/2016/Admn dated 01/08/2016, the University has issued an order formulating a comprehensive policy for addressing disability issues. The main components of the order are as follows:

- To engage the service of a barrier free design expert and architect to audit the disabled-friendliness of all physical segments of the University.
- To ensure disabled-friendly features like ramp (of a gradient not greater than 18-20 degrees), lifts (wide enough for wheel chair, and with Braille control switch panel and audition), special assistive fixtures and fittings (like handrails and grab bars alongside the side walk of steps and staircases), and disabled friendly washrooms in all future construction projects.
- To allow a grace period of three months for M.Phil and six months for Ph.D. students who are physically challenged in the submission of dissertations.
- To ensure at least one terminal in the computer workstation (of all departments, centres) with special assistive technologies, preferably open source, for physically challenged students.
- To ensure the websites of Mahatma Gandhi University and its statutory teaching departments and the affiliating colleges to incorporate features friendly to the visually challenged (including colour contrast, variable font size and audition).
- To create a special fund to handle all income and expenditure relating to addressing disability issues of Mahatma Gandhi University including constituent colleges. Besides central and state funding and UGC special assistance, funds are also received from MP/MLA development plan assistance for constituencies, and rules permitting, from the private sector companies (who may fulfil it as part of Corporate Social Responsibility).
- To highlight the aspect of disabled friendliness in all notifications for admission and appointment released by the University statement "MGU is proactive to the needs of the physically challenged" is inserted.



4.1.6 How does the University cater to the requirements of residential students? Give details of:

* Capacity of the hostels and occupancy (to be given separately for men and women)

Name of Hostel	Capacity	Established During the Assessment Period
Pallana Men's Hostel	117	-
Pallana Annex Men's Hostel	81 ^J 198	2014-15
Syrandhri Women's Hostel	84	-
Nila Women's Hostel	$\begin{bmatrix} 71 & \int 226 & \\ 71 & \end{bmatrix}$	2012-13
Kabani Women's Hostel	71	2013-14

All the University hostels are fully occupied.

* Recreational facilities in hostel/s like gymnasium, yoga centre, etc.

Yes. Gymnasium and facilities for yoga are provided separately for Men and Women on the campus itself. The working hours of the centres are 7 am to 9 am and 4 pm to 7 pm on all days. Since the hostels are nearby, students can make use of these with ease. The campus has a good playground for outdoor games apart from the facilities for indoor games like chess and carom board.

* Broadband connectivity / Wi-Fi facility in hostels.

Free Wi-Fi is available in the Campus and Hostels. The University has finished installing high speed wireless networking in the campus. These facilities are meant for the upcoming e-governance programme being planned in the University.

4.1.7 Does the University offer medical facilities for its students and teaching and non-teaching staff living on campus?

Yes. There is a full-fledged health centre functioning in the university. Two doctors are working on shift basis. Necessary medicines, health laboratory services etc. are also provided free of cost. The University Health Centre imparts health care services through outpatient consultation, laboratory diagnosis and dispensing of prescribed medicines to students and employees. In addition to this, in the year 2013, Mahatma Gandhi University issued health cards after proper medical check-up to its employees. The budget allocation for the purchase of medicines is being enhanced steadily every financial year as part of the social commitment of University in the health care of its employees.



School of Behavioural Sciences has a counselling centre where the services of a qualified clinical psychologist is available from 9.00am to 5.00pm.

4.1.8 What special facilities are available on campus to promote students 'interest in sports and cultural events/activities?

The Department of Physical Education has been providing various facilities to the students of the University with the intent of promoting interest among students in sports and games. For instance:

- i) The campus has a full-fledged basketball court, volley ball court, synthetic tennis court and a badminton court along with a big football ground, which are open to all students of the campus.
- ii) UGC has sanctioned a 50 m Olympic standard swimming pool at a budget outlay of Rs.2.25crore.
- iii) The physical education department also has a fitness centre to cater to the needs of the students of the campus.
- iv) The construction of a 100-bedded modern sports hostel was completed recently.

Apart from this, University also encourages the students with sports interest by providing incentives in terms of providing grace marks and scholarships.

The University has instituted Sports Scholarship for 150 meritorious Sportspersons annually to recognise the achievement of the Sportsmen/women of the university. This acted as a motivating factor and the university has been able to produce ten Olympians, fifteen Asian games athletes' and more than two hundred internationals, some of them Arjuna awardees, since its inception. The university has also instituted Sports Merit cash Award to the winners of All India Inter University Championships annually. The Sports Merit Cash Award was instituted by the School to encourage the University teams to perform well at Inter University Competitions. An amount of Rs 10,000/-, Rs 7,500/- and Rs 5,000/- respectively is given to athletes for winning gold, silver and bronze medals.

Recently university gave a reception to two of its students who participated in 2016 Olympics. Also, university celebrated its foundation day by organising a mass race with the participation of the university community.

University department students union conducts arts and cultural festival every year by conducting programs and competitions for the students of the campus as a means of promoting and rewarding the cultural talents of the student community. This is besides the Onam, Christmas and New Year celebrations being organised by the individual schools and centres which is aimed at encouraging the cultural talents of the student community.



4.2 Library as a Learning Resource

Mahatma Gandhi University Library and Information System consists of University Library, libraries of the Schools and 4 study centre Libraries. The University Library was established in 1989. The University Library which is situated in the main campus occupies purpose-built accommodation, and provides a variety of facilities and has a user-friendly environment. These include individual work spaces, room for group study and teaching, audiovisual access and online information retrieval system. The building of the University Library is 2000 sq.m in area consisting of the cellar, the ground floor and the first floor.

Academic as well as public users are given the facility to use the library. Special category membership is provided to journalists. The library is providing service from 8 am to 8 pm in three shift timings for its staff. Reading space is provided in all the three floors housing the various sections of the library. The library provides reading facility to the visually impaired users too. For this, an electronic lab custom made for visually challenged users has been set up during 2016.

The library has a collection of 59,000 books, 232 journals, 2,135 Ph.D. theses and has access to 15000+ e-journals under E-Shodh Sindhu. The activities of the Library are comprehensively automated using open source library management software KOHA.

The library is a member of the INFLIBNET Centre, Ahmedabad as well as DELNET (Developing Library Network). As a member of these networks, the library provides access to the resources of other major libraries in the country. In addition to the access to UGC INFONET consortium, it has access to major online databases, such as EBSCO, ProQuest dissertations and theses, Oxford Scholarship Online, IEEE All Society Periodicals Package etc. Mahatma Gandhi University had won the State IT Award during the year 2009 in the elearning category for its university online theses digital library. The various department libraries have a good collection of subject specific books and journals.

4.2.1 Does the library have an Advisory Committee? Specify the composition of the Committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

University Library has a Library Advisory Committee. It is an 18 member committee with Vice-Chancellor as Chairman and University Librarian as Convener. The other members include Pro-Vice Chancellor, Registrar, Faculty members of Science, Social Science, Arts & Humanities departments, Principals of various Colleges, Syndicate Members and Chairman of Department Students Union. It is on the recommendations of the committee



that various innovative services are introduced in the library for the student/library user's community.

4.2.2 Provide details of the following:

- i. Total area of the library (in Sq.Mts.) 2000 sq.m
- ii. Total seating capacity 150 seats

iii. Working hours:

- 8 am to 8 pm on all working days.
- 10 am to 2 pm on Second Saturdays and Sundays.
- The library remains closed on public holidays.
- Library functions on an average of 345 days in a year.
- The libraries of teaching departments are open during working hours of the Schools.

iv. Layout of the Library

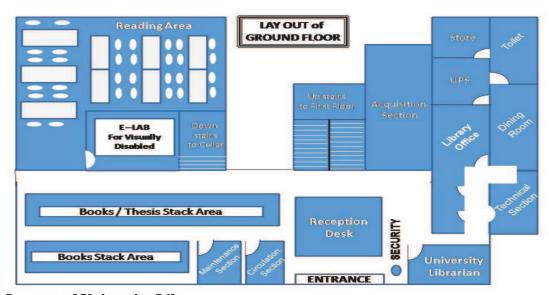
(Individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources):

150 seats are provided to the readers to comfortably use the resources of the library. The University Library is divided into 8 sections and their activities are given below:

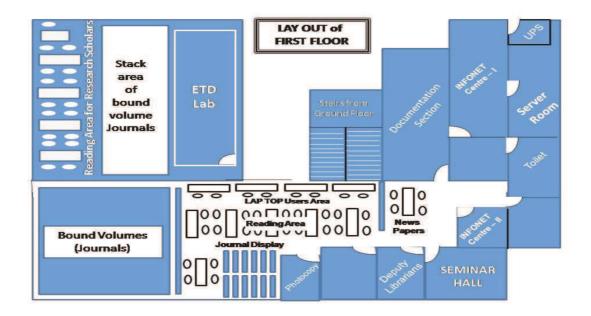
- Acquisition Section purchase of printed and electronic books, accessioning, payment processing, physical processing including RFID tag creation.
- Technical Section physical and technical processing of items (books, theses, audio visual materials etc.) and preparation of list of new additions.
- Maintenance Section maintaining books and theses in stacks, reference service, display of books on special occasions and stock verification.
- Circulation Section membership of library users, issue/return/renewal of books.
- Periodicals Section subscription & renewal of journals including online journal databases, online bibliographic databases, archives of online journals, newspapers, popular magazines etc., and binding of back volumes of journals.
- Documentation Section online information services, document delivery service & inter-library loan through DELNET, reprographic services, maintenance of library management package KOHA and



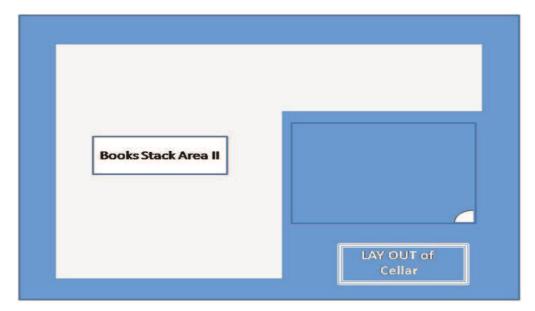
- design, development and maintenance of library web portal (www.library.mgu.ac.in).
- Union Catalogue Section accessioning of Ph.D. theses/ M.Phil dissertations, digitization and archiving of Ph.D. theses, uploading Ph.D. theses to Shodh Ganga (online repository of the INFLIBNET Centre) and MGU online theses library and archiving of M.Phil dissertations.
- Administration Section establishment work.



Lay out of University Library







Clear and prominent display of floor plan; adequate sign boards; fire alarm, access to differently abled users and mode of access to collection:

Adequate sign boards have been given to identify the layout of the library. The stack room is provided with self-guiding instructions with which any reader can locate the books of his/her choice in a hazzle–free way. Classification of books and its coding has been done with the help of software/computerisation of library.

Facilities for Visually and Physically Challenged:

Electronic Lab for visually challenged persons has been set up in the library with an objective to provide reading facilities to blind and low vision library users. The lab has the following equipment and software for catering to the specific requirements of the visually challenged users. The library undertakes audio recording of books as per request from users who are visually challenged.

A reading library for blind and low vision:

- a. JAWS Talking software for the blind
- b. MAGic screen magnification software without speech
- c. MAGic large print keyboard
- d. ZoomEx instant reader
- e. Ruby hand held video magnifier
- f. Flash desk top print magnifier

Talking book library:

Angel pro talking Daisy Player-E book for the blind



Braille Book Library:

- a. Index Basic V-4 Braille Printer
- b. Duxbury Braille Translation Software

4.2.3Give details of the library holdings:

Category	No.
Books	59000
Journals	232
Bound Journals	7500
Ph.D Theses	2135
E-Journals (in UGC-Infonet, renamed as E-ShodhSindhu)	15000
Online databases (in UGC Infonet)	11
Online Archives subscribed	185 Titles
Online databases subscribed	4
E-books	7338
DVDs: Educational Videos	293

a) Print (books, back volumes and theses)

Sl. No.	Name of School/Centre	Total No. of books	Books added during the last three years
1.	University Library	59000	4548
2.	School of Behavioural Sciences	3347	200
3.	School of Bio Sciences	2540	80
4.	School of Chemical Sciences	4100	190
5.	School of Computer Sciences	4130	100
6.	School of Environmental Sciences	5607	66
7.	School of Gandhian Thought and Development Studies	8695	200
8.	School of Indian Legal Thought	10518	650
9.	School of International Relations and Politics	7732	475
10.	School of Letters	18233	1707
11.	School of Management and Business Studies	7549	500
12.	School of Physical Education and Sports Sciences	790	24
13.	School of Pure and Applied Physics	4785	457
14.	School of Pedagogical Sciences	6109	91



15.	School of Social Sciences	12398	174
16.	School of Tourism Studies	1464	202
17.	International and Inter University	268	150
	Centre for Nanoscience and		
	Nanotechnology		
18.	Advanced Centre for	393	103
	Environmental and Sustainable		
	Development		
19.	Inter University Centre for	250	123
	Disability Studies		
20.	Inter University -Instrumentation	70	-
	Centre		
21.	Inter University Centre for Social	1474	-
	Science Research and Extension		
22.	Advanced Molecular Materials	25	-
	Research Centre		
23.	Centre for English Language and	1209	-
	Communication Skills		
24.	Institute for Intensive Research in	535	300
	Basic Sciences		
25.	KN Raj Centre for Planning and	1146	513
	Centre		
	Total	162367	10853

b) Average number of books added during the last three years: 10853

c) Non Print (Microfiche, AV): Nil

d) Electronic e-books : 7338

e-Journals:15,000

Databases: 16

e) Special Collections (text books, reference books, standards, patents etc):

Reference books: 6390

- f) Book Banks Subject specific book banks are maintained in some department libraries.
- g) Question Banks-question papers of a few early years are available. Question banks pertaining to subjects are being maintained in the respective department libraries.

4.2.4 What tools does the library deploy to provide access to the collection?

- Provides information services on demand to the users.
- Union catalogue-conventional and computerized (OPAC).



- Library has developed special tools such as Journal Article index (Index of journal articles which cannot be traced through internet but available as hard copy in the Periodicals Section of the Library).
- Database on Kerala Studies for the promotion of information services.
- These special databases are searchable on open access mode in the library website.
- These services are supplemented with full text document delivery.
- University Library has created a website hosted in the domain of IT
 Mission for showcasing the important activities and events of the
 library. Various online journal archives/e-books purchased on
 perpetual access, e-resources including e-journals, e-books and
 databases purchased/subscribed and INFONET e-Journal consortium
 can be made available for access through library's website
 www.library.mgu.ac.in

4.2.5 To what extent is ICT deployed in the Library? Give details with regard to

Library Automation:

The University Library has sufficient ICT infrastructure as detailed below:

S1. No.	Item	Floor area / Quantity
1	Building	2000 sq. m
2	IT Infrastructure- Desktop Computer System	49
	Server Class System	3
	Heavy Duty Printers/ Copiers	4
	Desktop Printers	7
	Scanners	3
	LCD Projector	1
	Wi-Fi Access Terminals	3
3	Special Equipment for Visually Challenged: An Electronic Lab for Visually Challenged has been set up with following hardware(s) & Software(s) Computers	3
	Other Equipment	7
	Software(s)	3

Total number of computers for general access: The Library provides access to the electronic resources by providing 49 computer terminals.

Total numbers of printers for general access: Seven printers.

Internet band width speed: 1 GB

Institutional Repository:

The Ph.D theses awarded by the University are digitized and made available over the Internet on open access mode. MGU online theses in the library can be accessed at www.mgutheses.in. The project won the e-Governance award of the Government of Kerala in 2010. Digital repository of Ph.D theses of the university was launched by the former President of India H.E. Dr. A.P.J. Abdul Kalam on 8th November, 2008. The University continued with this pioneering effort in the country and till date, a total number of 2135 Ph.D. theses have been uploaded.

Participation in resource sharing networks/consortia: Yes, INFLIBNET and DELNET.

4.2.6 Provide details (per month) with regard to

- Average number of walk-ins: 2830 per month
- Average number of books issued/returned:830 transactions per month
- Ratio of library books to students enrolled: 108:1 approximately
- Average number of books added during the last four years: 2460
- Average number of login to e-resources :1500 per month
- Average number of e-resources downloaded/printed :17050 per month
- Number of IT (Information Technology) literacy trainings organized: 1.66 per month

4.2.7 Give details of Specialised Services provided by the library with regard to

Manuscript: Nil

Reference

- Provides information services on demand from users.
- Library has developed special tools such as Journal Article index
- Database on Kerala Studies for the promotion of Information services.
- Above special databases are searchable on open access mode in the library website.
- These services are supplemented with full text document delivery.
- The access to the facility has been extended to remote departments and Study centres of the University.
- Literature search service to research scholars.



• Reprography/Scanning

Two heavy duty printers and three scanners are used for reprography/scanning. Reprographic services are provided to the students by way of photocopies and digital copying on CDs and DVDs.

• Inter Library loan Service:

The Library collects and issues journal articles and books on inter library loan which are not available in its collection to the users based on demand, mainly from DELNET and other resourceful R&D institutions at national level.

- **Information Deployment and Notification:** Email notifications for book transactions.
- Online Public Access Catalogue (OPAC)Web OPAC of the university is available over the internet through which the collection of university library and some department libraries are searchable. This Web OPAC is created using library management software KOHA.

URL of the web OPAC is http://mgucat.mgu.ac.in

• Online Book suggestions facility

All library users can suggest books on their subject area concerned via online through **KOHA-OPAC** for purchase in University Library, subject to the approval of Book purchase committee

• Internet access:

Facility is available in the library through campus area network having a bandwidth of 1 GB under National Knowledge Network (NKN) for students and teachers to access full texts of articles in the INFONET service of the UGC, e-books and other digital resources available.

Downloads

Sl.	Name of Journal Database		y Mahatma o. of articles		•
No.		Year 2012	Year 2013	Year 2014	Year 2015
1	Science Direct	79476	75376	87957	90196
2	JSTOR	21250	28833	27809	20641
3	American Chemical Society	18662	18437	26728	24511
4	Wiley-Blackwell	13886	1313	19383	17361
5	Springer Link	10788	18064	17230	20216
6	Royal Society of Chemistry	5670	8517	9946	9980
7	Taylor and Francis	4771	6168	6822	5659
8	Institute of Physics	2990	3014	3480	2753
9	American Institute of Physics	1696	1749	3062	3563



199	NK of M G University out of universities under the sortium	NA	29	27	29
	Total	165048	166743	212304	204665
17	Project Euclid	4	2	4	1
16	Oxford University Press	152	229	8	2836
15	Portland Press	187	135	661	0
14	Annual Reviews	513	562	909	527
13	Project Muse	814	1197	972	809
12	Cambridge University Press	911	1012	1375	874
11	APS	1598	953	2958	884
10	Nature	1680	1182	3000	3854

- **Print outs:** Users are encouraged to download full text articles of their interest and permitted to take printouts.
- Reading List/Bibliography Compilation: The library brings out a bimonthly publication showing list of new additions to make the users aware of the latest books in different subjects which are available in the library along with their position on the shelf. The list is sent to all teaching departments, study centres of the university and libraries of other universities. It is also sent to five patrons each with the most checkouts in different categories (research scholars, the faculty, teachers of affiliated teachers, P G students and non-teaching staff of the University) by e-mail. A digital version of this publication is made available in the library website too.
- In-house/remote access to e-resources: The Local Area Network (LAN) in the campus provides remote access to the digital resources available with the INFONET programme of the INFLIBNET. All the teaching departments are covered in the LAN. The teaching departments are interconnected through optical cables. Hence INFONET can be accessed at the university teaching departments also.Wi-Fi facility is also provided for users of mobile phones and laptops. The Schools/Centres located outside the campus can also access the e-resources of the library through virtual private network/IP authentication.

• User Orientation

Library orientation programmes and library familiarization tours are conducted in the library for the benefit of new users.



Assistance in searching Databases

The Librarian is providing sufficient orientation and support to the student/research scholars to search and collect relevant data. Awareness regarding appropriate database, key terms for creating search statements etc. are given for the needy.

• INFLIBNET/IUC Facilities

UGC INFONET centre is available within the library for the users.

School of Computer Sciences library has subscribed to 'All Society Periodicals Package' with 169 highly research oriented e-journals published by IEEE. This provides the users with unlimited in-house access by the students and researchers of the school and remote access by those from other schools using multiple logins over the campus based on IP

4.2.8 Details of the annual library budget and the amount spent for purchasing new books and journals

Statement of Expenditure of Books 2011-16

. S. S. ω 2 Type of Document E-Books (English) Books No. of 209 2239 5129 **Document Procured** Year 2011-2012 **Amount** 56,88,308 1,39,990 56,50,746 **Spent** 1,79,000,00 60,00,000 (including Amount 2,00,000 (UGC XI State Fund of allotted Plan Fund) 1,45,000,00) No. of 1033 **Document** Year 2012-2013 procured **Amount** 3,49,254 75,96,267 **Spent** UGC XI **Amount** Plan Fund 79,000,00 allotted for 2011-No. of 1794 **Document** Year 2013-2014 procured **Amount** 17,66,923 **Spent** Amount 40,000,00 allotted No. of 1632 **Document** Year 2014-2015 procured **Amount** 47,88525 **Spent** Amount 50,000,00 allotted 4200+ No.of (Malayala 1131 **Document** m.e-books) procured Year 2015-2016 **Amount** 5,00,000 27,26,559 **Spent**

500000.00

(UGC XII

Plan fund)

50,000,00

Amount

allotted

295

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	SI. No.		2	<u> </u>
	Type of Document 5	Print Journals	Online Journal Archives	Online Databases
۔	Subscrib	270	79	2
Year 2011-2012	Amount Allotted	44,00,000.00	70,00,000.00 (UGC Fund)	10,00,000.00
012	Amount spent	4197725	5194363	712575
Yea	No. subscribe d	285	-	3
Year 2012-2013	Amount Allotted	44,500,00.00	-	
2013	Amount spent	4399198	-	1277195
Year	No. Subscrib			
Year 2013-2014	Amount Allotted		Fund Not Allotted	I
2014	Amount spent No.			
×	subscribe	256	107	4
Year 2014-2015	Amount Allotted	64,00,000.00	15,00,000	
2015	Amount spent	4847580.00	1362026.00	1433035.00
Year 2015-2016	Documen t	232	134	6
	Amount Spent	8000000	-	
.2016	Amount allotted	45,42,754.00	15,67,350.00	1809272.00

Journals, Online Journal Archives and Online Databases 2011-16



4.2.9 What initiatives has the University taken to make the library a 'happening place' on campus?

Online reading facility is provided in the Infonet Lab setup in two rooms. Besides, Wi-Fi facility is provided for users with laptop.

Electronic Theses and Dissertations (ETD) Lab: A Laboratory for electronic theses and dissertations was setup in the Library with the financial assistance provided by the INFLIBNET Centre. Digitization and archiving of theses are carried out at this centre.

Electronic Lab for Visually Challenged: Electronic Lab for visually challenged has been set up in the library with the objective of providing reading facilities to blind and low vision library users. The lab has equipment and software for catering to the specific requirements of the visually challenged persons. As part of providing service, the library started audio recording of books as per request from users who are sight denied.

Materials for career and personality development: The University Library has a collection of books and periodicals in areas of career guidance and personality development. Materials in the areas of study, leisure too are procured and displayed prominently in the library. Several newspapers and popular magazines in English and local languages is another attraction of the library.

Training in software and other such activities: Regular training is given to students and faculty in the use of programmes and software in the areas of research and use of library materials. This includes software Glike Mendley, Zotero, Urkund etc and programmes like Shodh Ganga, J Gate, INFONET etc.

International Book Fair (INBOFA 2012): Mahatma Gandhi University organized an International Book Fair (INBOFA from 13 to 23 January 2012) at the sports pavilion of the university campus. Fifty two major national and international publishers, distributors and online information service providers participated. A variety of programmes such as theme-specific talks, seminars, discussions, book-launches, face-to-face with authors and cultural programmes were also conducted. University library had alone purchased 2571 books at a total cost of Rs.69, 42,706/-.Various department libraries and libraries of affiliated colleges also have purchased books from INBOFA stalls. Overall, sales crossed Rs.2 Crores during the event.

4.2.10 What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?

The library collects the feedback from its users on a regular basis. The feedback collected are analysed on individual and group basis for identifying the requirements and expectations of the users. This forms the basis for devising strategies to improve the quality of services provided by the library.



4.2.11 List the efforts made towards the infrastructural development of the library in the last six years.

Many innovative services have been introduced in the library during the past five years.

Facilities for Visually and Physically Challenged:

Electronic Lab for Visually Challenged persons has been set up in the library with an objective to provide reading facilities to blind and low vision library users. The lab has the following equipment and software for catering to the specific requirements of the visually challenged users. As part of providing service, the library started audio recording of books as per request from users who are visually challenged.

A reading library for blind and low vision

- a. JAWS Talking software for the blind
- b. MAGic screen magnification software without speech
- c. MAGic large print keyboard
- d. ZoomEx instant reader
- e. Ruby hand held video magnifier
- f. Flash desk top print magnifier

Talking book library

Angel pro talking Daisy Player-e book for the blind

Braille Book Library

- a. Index Basic V-4 Braille Printer
- b. Duxbury Braille Translation Software

RFID/CCTV system implementation

University Library has implemented RFID/CCTV system using annual state plan fund 2015-16 at a total cost of Rs. 40 Lakhs approximately. The project aims at modernization of in-house operations of the library using RFID technology. As part of its implementation, all books available in the library have been tagged with RFID tags. The project is useful with regard to its accuracy and speed in issue/return of books using RFID Readers, enables anti-theft control of books and time-saver in stock-verification of books. The system also enables self-check-in/ check-out of books by the library users themselves using kiosk and drop box installed, at rush hours due to integration with KOHA-the integrated library management software used for library automation. As an additional security facility, CCTVs have also been installed with proper monitoring and recording facilities.

International Book Fair (INBOFA 2012)

Mahatma Gandhi University organized an International Book Fair (INBOFA from 13 to 23 January 2012) at the sports pavilion of the university campus. Conceived primarily as an academic carnival rather than a mere exhibition of books, the fair provided opportunities for serious readers, writers, researchers, teachers, students, publishers and the general public to meet and interact on issues concerned with reading and writing. Fifty two major national and international publishers, distributors and online information service providers participated. A variety of programmes such as theme-specific talks, seminars, discussions. book-launches. face-to-face with authors programmes were also conducted. University library had alone purchased 2571 books at a total cost of Rs.69, 42,706/-. Various department libraries and libraries of affiliated colleges also have purchased books from INBOFA stalls. Overall, sales crossed Rs.2 Crores during the event.

Other initiatives

- KOHA implementation for library automation and union catalogue development.
- Introduction of library membership for public (for graduates only).
- Extended remote access of e-resources subscribed in the library including UGC-INFONET facility to university schools/centres located outside the campus.
- Web portal creation exclusively for the library.
- Online plagiarism check system has been introduced in the university.
 The University Library houses a large collection of digital resources
 that include INFLIBNET, international journals of national/
 international reputation and plagiarism checking.

4.3 IT Infrastructure

4.3.1Does the university have a comprehensive IT policy with regard to:

- IT Service Management: The entire academic life cycle (from admission to issuance of degree certificate) of a student in the university is handled with the help of ICT.
- Information Security: University has Campus Area Network (CAN) which includes a tightly secured gateway. Internal network security is ensured through firewalls, antivirus software etc.
- Risk Management: The university has implemented a TIER III Standard Data Centre with all professional industry leading security features (CISCO ASA series firewall plus NMS and Radius implementation) in place. The university has initiated a comprehensive disaster recovery plan.



- Software Asset Management: The university has developed its own ERP based core business processing software to handle its operations. Constant updating and change management is followed to improve productivity.
- Open Source Resources: The data centre of the university is operating fully under open source platform.
- Green Computing: The University has initiated steps to upgrade the data centre with green computing compliance. For instance, upgrading of servers with energy efficient processors and allied equipments is done. All future acquisitions into the client sides are planned to be energy efficient rugged thin clients. Steps to reduce e-waste generation and accumulation, promote recycling/reuse etc are also part of the policy.
- The university has initiated steps to prevent the accumulation of e-waste in the campus through a concerted effort whereby physical verification, certification and administrative approval of the ineffectual electronic gadgets and appliances is done by competent authority. An agreement with Clean Kerala Company, a Kerala Government undertaking for safe disposal of e-waste was also made.

4.3.2 Give details of the University's computing facilities i.e., hardware and software.

- Number of systems with individual configurations:800 Nos
- Computer Student ratio:0.55:1
- Dedicated Computing Facilities available (Most of the Schools have their own software like SPSS)
- LAN facility: All teaching departments have LAN connected computer labs.

Internet facility: All computers of the faculty, various research labs, university library and the department libraries are connected to the university system administration with internet facility. Wi-Fi connectivity is available to students, research scholars, faculty members and non-teaching communities.

- Proprietary software: Microsoft Windows 8.1, Windows 7, Matlab, Visual studio, SQL Server, Adobe licence, antivirus licence etc.
- Number of nodes/ with internet facility: 1500 NODES

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

IT Infrastructure

The University strives to provide its services ensuring transparency and efficiency by minimising paper work and computerising most of the



administrative and academic correspondence. The University Computer Centre and CETEX have been instituted to take lead in the in-house development of software systems.

The facilities in the Centre for High Performance Computing of the University is as follows:

HARD WARE:

- (1) HPC Cluster- I: Comprising of 10 numbers of HCL Global Line dual Intel Xeon 3.0Ghz processor Servers with 2GB DDR2 RAM, 73GB SCSI HDD works on Redhat Enterprise Linux OS and Redhat Linux Clustering enablement, that uses MPICH Library for distributed computing.
- (2) HPC Cluster- II: Comprising of 2 numbers of HCL Global Line 4 x Xeon Ten core Servers and one Xeon Eight core Server (total 88 processors) with 4x8GB DDR3 RAM 3x300 GB SAS HDD works on Redhat Enterprise Linux OS and Redhat Linux Clustering enablement, that uses MPICH Library for distributed computing.
- (3) GPU Server-I: Wipro Z2245 with 2 x Xeon Hexacore E5645 processor, 4x8GB DDR3 RAM, 500GB SATA HDD, Tesla M2090 GPU, DVD RW works on Redhat Linux
- (4) GPU Server-II: Dell PowerEdge T630 with 2 x Xeon E5-2620 processor, 4x8GB RDIMM RAM, 1TB SATA HDD, NVDIA Tesla K20C GPU, DVD RW works on Redhat Linux.
- (5) PC Cluster-I: Comprising of 18 numbers of PCs with Pentium Core2Duo E8400, 2GB DDR3 RAM, 320GB HDD, DVD RW, 18.5" TFT monitor works on Linux Ubuntu 10.04.
- (6) PC Cluster-II: Comprising of 40 numbers of PCs with Pentium D processor, 4GB RAM, 80GB HDD, DVD, 17" TFT monitor works on Linux Ubuntu 14.04.
- (7) HP BL360 Blade enclosure with 2 full blades and 2 half blades with E series Xeon processors
- (8) IBM Rack servers Xeon processor 5 numbers
- (9) Wipro tower servers 2 numbers
- (10) Sonicwall 4000 series Universal threat management system (UTM)



SOFTWARE:

- (1) MPICH Message Passing Interface Chameleon used in distributed computing, used by Research scholars
- (2) MATHLAB + Fuzzy Logic & Parallel Computing Mathematical Manipulation Programme, used by M.Tech Computer Science students.
- (3) CUDA Compute Unified Device Architecture used in GPU Programming, used by Research scholars.
- (4) AMBER
 - University Data Centre: Infrastructure development for Tier-III standard data centre is completed. The work of migrating from Tier I to Tier III is progressing. The blade servers of HP are used in the university for the management of all services offered. There are four blade servers and five rack servers.
 - Campus Wi-Fi connectivity
 - Staff Training Centre and Web Centre
 - NKN Connectivity
 - Campus wide OFC Network
 - Dual leased Line Internet connectivity (BSNL)

The following major software systems have been implemented based on the above IT infrastructure facilities:

I. Introduced Biometric punching system for attendance: Biometric punching has been introduced to teachers and non-teaching staff, to ensure punctuality of attendance and also to provide electronic access to each staff member/researcher to the attendance marking system.

Π. Finance

The Finance branch of the University has been completely automated with the following facilities:

- **a. CUFIN:** Developed and implemented in 2007 for salary preparation. Python and glade are used as front end and python and postgre SQL database is used as back end.
- **b. e-Payment Gateway integration:** Introduced the payment gateway system to collect various fees in collaboration with State Bank of Travancore.
- **III. Examination Applications Student Life Cycle Management System:** Developed applications to handle the entire life cycle of a student. (From admission till issuing of degree certificate). All activities of examination wing have already been computerized which include the following functions;



- Online examination notifications
- Online examination registrations
- Online hall ticket issuing
- Online examination results
- Online revaluation application processing
- Degree certificates
- **IV. Admission:** Centralised Allotment Process (Single Window Admission System) has been developed for UG and PG admissions. The university is the pioneer in developing an in-house application for this process.
- **V. Research:** Research portal has been started in connection with research admissions and progress.

Recent Advancements in the area:

- **1. M-Governance:** The university is extensively using SMS gateways of Kerala Government and Central Government (esms.kerala.gov.in andesms.mgov.gov.in) for giving SMS to the students while using various online applications like e-payment etc.
- **2. Moving to Cloud environment:** Planning to migrate to virtualisation and cloud infrastructure.
- **3. E-Procurement using state e-procurement facility:** Already started using e-tendering facility for tendering process.
- 4.3.4 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching, learning and research.

The following measures were taken to promote access to online teaching and learning resources

- Digital Library is available in the campus
- Learning Management System–Moodle is available (an open source software developed in accordance with the principles of pedagogy).
- Through INFLIBNET and DELNET connection, an exhaustive quantity of online teaching materials is made available to all faculty and students. Smart class rooms equipped with online teaching and webinar facilities are available in various schools.
- Most of the classrooms have facility for internet access through LAN.
- The university library conducts training programmes for teachers and students whenever new software is introduced. Every new member of



the library is oriented with the services available in the library and the mode of utilisation of various services.

4.3.5 What are the new technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new/future challenges?

- Implemented Moodle, a learning management system.
- Smart class rooms are established in all the Schools facilitating the conduct of seminars, discussions and demonstrations utilising e learning materials.
- Edmodo, an open-source software is implemented in some Schools of the University which acts as an online teaching-learning platform and as an online evaluating mechanism ensuring transparency.
- Infonet is available in all the Schools of the University.
- School of Behavioural Sciences uses Rorschach interpretative assistance programme which is a software designed to promote skill and knowledge in assessment to facilitate learning.

4.3.6 What are the IT facilities available to individual teachers for effective teaching and quality research?

- A personal computer with LAN connection is provided to all teachers
- Digital library facility
- Library Management System- KOHA is available in all schools and the library of each school is connected to main library also.
- Class rooms are ICT enabled.
- Access to e-learning materials is provided.
- Digitalized PhD theses are available in the library.

4.3.7 Give details of ICT-enabled classrooms/learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?

• As part of introducing smart class room facility, the following items were supplied to various Departments:

Sl. No.	Name of the Item	Number Supplied
1	DLP/LCD Projector	68
2	Laptop	68
3	Visual Presenter	17
4	Interactive Board	68



5	Photocopier	26
6	PA System	35
7	Scanner	10
8	Printer	20
9	5 KVA UPS	6
10	High Speed Scanner	1
11	Desktop Computer	95
12	Desk top Computer with special software for blind teachers	1
13	Lecture Stand	10
14	Wireless Mouse	68
15	Video Camera	10

- For training teachers/faculty, one smart classroom is arranged at the Conference Hall/Syndicate Room in the administrative block.
- Sufficient training is given to faculty for using smart class room facility.
- Smart class room introduction is done as a part of career guidance programme.

4.3.8 How are the faculty assisted in preparing computer-aided teaching-learning materials? What are the facilities available in the university for such initiatives?

- All teachers are provided with personal computers with unlimited internet connectivity
- Schools/Centres are equipped with smart class rooms.
- Modern multimedia teaching aids like LCD projectors, smart boards etc. are available.
- Virtual programmes, teaching learning software and video conferencing facilities are also available.
- The university encourages blended learning by using online teaching learning platforms and e-learning resources.
- Orientation programmes and hands on training for familiarising faculty members with the use of various software for teachinglearning are conducted regularly.



4.3.9 How are the computers and their accessories maintained?

Warranty/Annual Maintenance Contract (AMC) system is maintained for the upkeep of computers. Computers and accessories that are not under the warranty period are maintained by the University System Administration team. It has qualified and skilled staff to repair and maintain computers and accessories.

Highly sophisticated gadgets that cannot be repaired by the team are maintained by inviting quotations from competent firms and work is assigned to firms that quote the lowest amount. Faulty components are repaired depending on the fault/damage.

4.3.10 Does the University avail of the National Knowledge Network connectivity? If so, what are the services availed of?

Yes. The university avails the National Knowledge Network connectivity for accessing the digital scholarly resources provided by the UGC Inflibnet Centre. Services provided by the National Knowledge Network are high speed internet and the same connection is being used for e-governance and Wi-Fi connectivity in the university. National Knowledge Network is also provided in other centres of the university.

4.3.11 Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Yes. These tools are used for general information gathering. Deeper and more authentic knowledge discovery is done through the utilization of the web resources of reputed journals and research publications. The libraries have INFLIBNET and DELNET connection which makes access to e —learning sources easy.

4.3.12 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the University.

The following table shows the expenditure on the update, deployment and maintenance of computers.

Amount in rupees (Lakhs):

2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
6.15	63	64.5	64.5	71.09	78.99



4.3.13 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?

- 1) The University is planning for developing MOOC programme and online courses in various departments and Inter University Centres as part of the "Swayam" project of the MHRD.
- 2) e-seminars, e-workshops, e-conferences etc. were organized in many of the Schools/Centres.
- 3) e- content development is included in many of the student projects.

4.4 Maintenance of Campus Facilities

4.4.1 Does the University have an estate office/designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Yes. The University has an Estate Officer in the rank of Assistant Registrar to look after the maintenance of buildings, class rooms, etc. The University has a total area of 163.4819 acres of land. The office of Estate Officer was established for developing the university campuses with a view to creating a learning ambience in the campus. It also aims at development of suitable plans and projects for the entire campus area by co-ordinating the various construction and plantation activities taking place in the campus. The administrative aspects pertaining to maintenance and repair of university buildings are taken care of by the office of the Estate Officer and those of the major repairs by the Planning and Development section. The repairs and maintenance of university buildings are carried out by the University Engineering Unit.

Some of the campus specific initiatives taken by the office are given below

- 8. Being a drought prone area, thrust was given for water conservation initiatives like construction of rain water harvesting structures. A 24 hour uninterrupted water supply is ensured by the university through a captive water supply scheme to the campus. A quarry in the campus is utilised for rain water harvesting. Rain water harvesting has been done in a big scale in most of the existing buildings and the university has one of the biggest water conservation ponds in the country with a size of 53 m x 40 m x 22 m. It holds approximately 4.5 crores litres of water which meets the water needs of the university.
- 9. University has also initiated measures to recharge seven wells and one more quarry with rain water collected from roof top of buildings through an innovative well charging mechanism. Water is sourced from 8 wells and 3 bore wells located in different locations in the campus. The water consumption per day is 1.5 lakhs litres. As part of its environmental



- sustainability measures, the University added waste management systems by installing biogas plants too in the campus.
- 10. Teak, mango, tamarind, jackfruit and a number of fruit bearing plants and trees are also planted in the campus as part of greening the campus every year.
- 11. The cutting of trees is restricted in the campus to minimise environmental damage and to keep it a haven of biodiversity.
- 12. The office in collaboration with School of Environmental Sciences has conducted a survey for analysing the biodiversity of the campus resulting in the naming of trees in 2012.

4.4.2 How are the infrastructure facilities, services and equipment maintained? Give details.

The various administrative responsibilities/ maintenance of infrastructure facilities (repairs, plumbing, and electricity) are carried out through the Engineering department. The instruments are maintained through university Instrumentation Centre, AMC and departmental allocation of funds. Other maintenance work is done through the Estate officer and the security wing.

CRITERION - V: STUDENT SUPPORT AND PROGRESSION



CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the university have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes, The university has an effective transparent system for student support and mentoring. According to the guidelines of CSS, Faculty Advisors are appointed for the welfare of the students of each PG Programme. Students are helped to choose appropriate electives. Each student is allotted a guide to prepare their dissertation as per the curriculum.

The Schools/Centres ensure smooth induction of fresh batches at the beginning of the academic session through an orientation programme. This orientation programme includes a welcome to the newcomers by the senior batches in which they are also introduced to the programmes, the courses and the curriculum. The new comers are guided by the teaching and non-teaching staff to familiarize with the formalities after admission and help them adapt to the new environment. The senior students also render all possible support whenever required. The students are provided with necessary guidance and counselling by the counsellors, teachers and wardens. The students are under the guidance of a faculty member who takes care of all aspects of mentoring including counseling which takes care of emotional, intellectual, moral and personal support.

All the Schools/Departments have Faculty Advisors for each semester to address academic and personal issues of students. The mentors take up the needs/relevant issues of the students in the Faculty Council and necessary remedial measures put in place.

A three-day workshop to improve the mentoring skills of faculty was organized by the School of Behavioral Sciences in March 2016. Experts from various institutions of national repute took part in the workshop.

Students belonging to SC and ST categories are supported by the financial schemes of the Government and other welfare agencies. Remedial coaching and other support as and when necessary are given, individually or collectively.

The Department of Student Services takes care of the overall development and welfare of the students and coordinates socio-literary and cultural activities among them. Prevention of ragging is ensured by DSS through various awareness/orientation programmes. National Service Scheme and University Employment and Guidance Bureau also render valuable services for the support mechanism and mentoring of the students. Special programmes are conducted to impart soft skills, leadership qualities, personality traits, communication skills, essential life skills, internet ethics, and etiquette among



the students. The university helps and encourages the students to avail various scholarships and grants like e-Grants, ASPIRE, INSPIRE, KSCSTE, KVPY etc.

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

The University offers various facilities for the academic mentoring. Major provisions are as follows.

- Erudite Scholar-in-Residence programme
- Seminar/conferences in frontier areas
- Workshops and summer schools.
- Extension lectures
- Library
- Web Centre
- e- Journals
- Talking Library for the blind
- NSS Camps
- Field Visits
- Industry Familiarisation trips
- Flipped Class rooms
- Online Interaction with Industry
- Internship Programmes
- Wi-fi Campus

The students can meet the Faculty Advisors for various academic activities like the preparation of research papers, selection of topics for seminars etc. The Faculty Advisors motivate the students to present papers in the national and international seminars. The Faculty gives special lectures to the academically weaker sections of the students in each school.

The students are encouraged to establish one-to-one linkage with the scholars visiting the university for future academic endeavors. These include several scholars, scientists, industrialists, management exponents, Nobel laureates and men and women of letters that the University periodically invite for academic deliberations which provide ample opportunities to the students to redefine and fine tune their vision about their scholastic pursuit.

To give a few specific examples from individual schools, the School of Computer Science has a healthy practice of encouraging student initiated academic and technical activities. The School has been organizing an annual technical meet - "Interface" since 1996. The publishing of an annual technical



publication since 1999 titled *IT Glimpse* is another major facet. The event aims at bringing together computer science students from various universities and institutions and to provide a common platform to share their talents by means of a series of technically challenging competitions like paper presentations, technical quiz, programming and troubleshooting. Event management of this magnitude enriches the technical/academic knowledge of the students in addition to the enhancing of soft skills like organizing capacity, peer group management skills, communication skills etc. It also helps to establish academic interactions among students and between students and alumni of the school.

The School of Indian Legal Thought conducts legal aid programmes and training is given to students for attending various national as well as International Moot Courts. The school of International Relation conducted a summer school on public policy and governance in collaboration with ISDG.

Special refresher classes are also conducted for the benefit of the students to appear for various competitive examinations like PSC, Staff Selection Commission, UPSC, IBPS, CSIR, UGC NET, GATE etc.

5.1.3 Does the university have any personal enhancement and development schemes such as career counselling, soft skill development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

The students are motivated to attend the programmes conducted by the University Employment Information and Guidance Bureau for personal enhancement, career identification, and soft skill development, besides special programmes organized by the schools, NSS and DSS.

One of the major identified drawbacks among the students is the lack of appropriate communication skills for which the university provides special attention. In order to empower students with English speaking skills, Thursday Club has been formed under the aegis of School of Environmental Sciences, where the students gather every Thursday and discuss general topics of their interest in English coordinated by a faculty member.

The School of Management and Business Studies, conducts a week-long Finishing School programme in the last semester of MBA programme. Thrust is being given to identifying and rectifying skill/competence gaps to enhance employability of the students. Skill training sessions are also conducted in every four months for a period of three days to enhance their skills.

The School of Indian Legal Thought has a scheme for improving professional skills of the students. Eminent lawyers are invited to the campus for interaction and guidance. The School has introduced mock trials, court visits, public interest lawyering and para legal services like legal awareness campaigns. The broad objectives of the initiatives are:



✓ Mock Trial

- For improving the practical professional skill of law students.
- ➤ Imaginary legal issues which have close connection with the current society are selected for mock trials to enhance the sensitivity of the students to socially relevant legal matters.

✓ Court Visit

- > Students are sent to courts for observation of court proceedings and to keep a record of the proceedings.
- ➤ The institution has assigned one law firm each for a group of four students. The students are sent to law firms to improving their drafting skills.

✓ Public Interest Lawyering, Legal and Para Legal Services (Legal Aid Clinic)

- ➤ The School organizes regular legal aid camps at selected areas under the auspices of the Legal Aid Clinic for the benefit of the common people. Legal awareness/literacy programmes are conducted in which the students play the lead role to fine tune their skill sets as a professional lawyer. Support of legal service authorities is also sought in this connection.
- An important activity of the Department of Life Long Learning and Extension is the 'Counsellor on Call' facility. It is functioning as part of the personality development centre of the department. Students from any department can avail the service of a Counsellor on prior appointment. The department will provide the service of the Counsellor and the students can discuss the matter with the Counsellor.
 - The students of the master's programme are exposed to research by linking them with the research scholars for assisting in various projects. Similarly the students and research scholars are trained in organizing international and national seminars/conferences by delegating them in various committees. This will enhance the leadership skills of the students and scholars.
- School of Computer Sciences has been organizing an annual technical meet "Interface" since 1996 and publishing an annual technical publication "IT Glimpse" since 1999. The event provides a common platform to students to share their talents by means of a series of technically challenging competitions like paper presentations, technical quiz, programming, N/W gaming, troubleshooting enriching their technical/academic knowledge.



5.1.4 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes. All Schools and Centres provide the students with the necessary help in obtaining educational loan from banks and other institutions, as and when necessary. Schools make the documentation and certification process easy and accessible to students who need financial help.

5.1.5 Does the university publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?

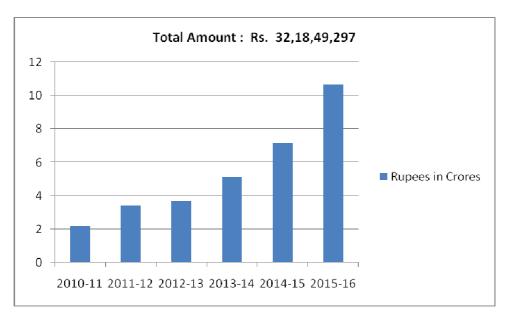
Yes. Admission prospectus is published online every year. All details regarding the programmes, fee structure, admission procedure, entrance examination details and reservation criteria are included in the prospectus. All admission procedures are done online. All the schools have their own brochures.

5.1.6 Specify the type and number of university scholarships/free ships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/PG/M.Phil/ Ph.D/Diploma/Others (please specify)

G1	TD		2010-11	2	2011-12	:	2012-13	:	2013-14	:	2014-15		2015-16
Sl. No	Type of Fellowship	No *	Amount	No*	Amount								
1	University JRF for Ph.D	120	99,99,641	160	99,95,129	106	51,03,975	257	1,49,99,083	200	1,39,30,238	230	2,75,01,702
2	University PDF			2	80,266	3	1,44,266	3	3,20,958	2	2,73,858	2	1,13,077
3	CSIR JRF /SRF	1	1	4	7,19,183	9	15,10,915	12	25,23,619	14	17,30,195	12	29,41,338
4	UGC/JRF/SRF	44	60,19,410	40	89,94,419	123	1,49,78,805	165	1,79,59,835	188	3,94,91,785	164	6,06,91,129
5	DST INSPIRE			1	2,50,400	2	5,00,800	7	21,19,800	12	30,28,123	09	38,98,282
6	ICSSR Senior Fellowship			1		1	2,40,000	1	2,25,679				
7	ICSSR Doctoral Fellowship	1	1	- 1	1			1	1,00,000	1	92,000	01	92,000
8	RFSMS	15	14,68,000	16	31,78,829	21	40,02,473	22	28,83,971	19	31,78,603	11	10,83,255
9	RGNF	21	34,91,199	26	63,10,434	22	34,56,679	13	20,96,868	09	14,26,110	04	80,500
10	ASPIRE	7	56,000	69	8,74,000	91	12,25,000	7	1,04,000	99	14,33,091	98	26,94,708
11	KSCSTE	05	6,72,849	05	6,69,000	08	14,01,827	12	31,00,937	12	27,54,891	09	18,41,801
12	E-GRANTS			149	2925687	136	4091086	116	4774065	144	4178136	92	5825388
	Total	212	2,17,07,099	472	3,39,97,347	522	3,66,55,826	616	5,1208,815	700	7,15,17,030	632	10,67,63,180

^{*}Number of Students





5.1.7 What percentage of students receive financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?

During the last five years students belonging to different categories including Ph.D scholars have received 65% of their financial assistance from the Central Government and 35% from the state government.

5.1.8 Does the university have an International Student Cell to attract foreign students and cater to their needs?

The University has an explicit policy and strategy for attracting foreign students. The University has a Centre for International Cooperation (UCIC), established in 2011, which is exclusively for coordinating the enrolment of international students and cater to their needs, with the support of the Indian Council of Cultural Relations (ICCR).

The procedure and instructions for foreign students who wish to apply for the University programmes are in the public domain (University web site www.mgu.ac.in).



List of Foreign Students Currently Studying/ Admitted to Mahatma Gandhi University through the ICCR Sponsored Cultural Exchange Schemes / Exchange Scholars /MoU/Self-Financing Scheme during 2010-16

2010 - 2011

Sl. No.	Name of the Students	Country	Course and Scheme	College/School
1.	Ms.Louise Pageot	France	M.A Politics and International Relations (MoU)	SIRP, MG University
2.	Ms.Marie Houdin	France	M.A Politics and International Relations (MoU)	SIRP, MG University
3.	Ms.Pauline Calvez	France	M.A Politics and International Relations (MoU)	SIRP, MG University
4.	Mr.Antoine De Seigneurens	France	M.A Politics and International Relations (MoU)	SIRP, MG University
5.	Mr.Vincent Sacau	France	M.A Politics and International Relations (MoU)	SIRP, MG University
6.	Ms.Gao Wenjing	China	M.A Politics and International Relations (Exchange)	SIRP, MG University
7.	Mr.Tran Minh Nhan	Vietnam	M.A Politics and International Relations (ICCR/CE)	SIRP, MG University
8.	Ms.Elif Bali	Turkey	M.Phil Politics and International Relations (ICCR/CE)	SIRP, MG University
9.	Mr.Tito R Mhagama	Tanzania	MBA (ICCR/CE)	SMBS, MG University

2011 - 2012

Sl. No.	Name of the Students	Country	Course and Scheme	College/School
1	Ms.Oceng Frede Amito	Uganda	M.Sc Food Service Management (ICCR/CE)	Assumption College, Changanacherry
2	Ms.Lwamusai Marsha	Uganda	MBA (ICCR/CE)	Girideepam Institute of Advanced Learning, Kottayam
3	Mr.Kamya Joseph	Uganda	B.Com (ICCR/CE)	FCMS, Chry
4	Mr.Mwanje Ssenono Aloysius	Uganda	M.Sc. (IT) (ICCR/CE)	UCAS, Pathanamthitta
5	DrHanna Barbara Urbanska	Poland	PDF (ICCR/CE)	School of Letters , MG University
6	Ms.Mallet Oriane	France	M.A Politics and International Relations (MoU)	SIRP, MG University
7	Ms.Caillon Marine	France	M.A Politics and International Relations (MoU)	SIRP, MG University



2012 - 2013

Sl. No.	Name of the Students	Country	Course and Scheme	College/School
1	Mr. El. Hadji Mamour Sakho	Senegal	Ph.D. (ICCR/ ASS)	SPAP, MG University
2	Mr. Zhussip Zhumagaliyev	Kazakhstan	M.A. Politics and International Relations (ICCR/GCSS)	SIRP, MG University
3	Mr. Imanirarora Lote	Rwanda	Master in Comp.Sc./IT (ICCR/ASS)	School of Computer Sciences, MG University
4	Mr. Sho Tanaka	Japan	M.A. Politics and International Relations (ICCR/CEP)	SIRP, MG University
5	Ms. Céline Di Mantova	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
6	Ms. Alma Laplace	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
7	Ms.Chloé Delpierre	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
8	Mr. Simon Cannone	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
9	Mr. Derouault Jean-Baptiste	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
10	Ms. Jessica K. Haven	United States	M.A. (Development Studies) Independent	SGTDS, M.G. University

2013 - 2014

Sl. No.	Name of the Students	Country	Course and Scheme	College/School
1	Mr. Tigran Ghazaryan	Armenia	MBA (GCSS)	Girideepam, Kottayam
2	Mr. Ravneel Prakash Mani	Fiji	B.Sc. (Comp. Sc.) (GCSS)	UCAS, Pullarikunnu
3	Mr. Kwasi Mensah Nyarko	Ghana	M.A. Politics and International Relations (ASS)	SIRP, MG University
4	Ms. Ni Luh Hindy Citra Satyawati Inggas	Indonesia	B.A. Economics (GCSS)	K.E. College, Mannanam
5	Mr. Adoum Idriss Adoum	Chad	M.A. Politics and International Relations (ASS)	SIRP, MG University
6	Mr. Joseph Phillipo	Tanzania	M.Sc. (Comp. Sc.) (ASS)	School of Computer Sciences, M.G. University
7	Mr Lucas Pardal	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
8	Mr Hugo Chene	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
9	Mr. Feyisa Rita Melaku	Ethiopia	Ph.D. in Social Work (ASS)	SGTDS, MG University



2014 - 2015

Sl. No.	Name of the Students	Country	Course and Scheme	College/School
1	Mr. Corentin Maurice Daniel Mercier	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
2	Ms.Fanny Jeanette Marie Josephe Ragot	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
3	Ms.Julie Marie Rousseau	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
4	Mr. Hay Sambo	Cambodia	M.Sc. (Comp. Sc.) (Mekon Ganga Scholarship Scheme)	School of Computer Sciences, M.G. University
5	Mr. You Vanndy	Cambodia	M.Sc. (Comp. Sc.) (Mekon Ganga Scholarship Scheme)	School of Computer Sciences, M.G. University
6	Ms. Ellen Twamanguluka Nghikembua	Namibia	M.Sc. Psychology (ASS)	SBS, M.G. University

2015 - 2016

Sl. No.	Name of the Students	Country	Course and Scheme	College/School
1	Ms. Camille Nelly Madeleine	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
2	Mr. William Emilien	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
3	Ms. Nwabugwu Amarachi Augusta	Nigeria	M.A International Relations	SIRP, MG University
4	Mr. Mayiek Aldrine Kimtai	Kenya	M.A. Economics	K.N. Raj Centre, M.G University
5	Ms. Sushma Khaiju	Nepal	M.Sc (Disability Studies and Rehabilitation Sciences	School of Behavioural Sciences, M.G University
6	Ms. Nyaribo Nyangara Knight	Kenya	M.Sc. Computer Science,	School of Computer Sciences, M.G. University



The schools and centres of the university also receive international students as part of their bachelor, master and Ph.D programmes. The university also receives international post doctoral fellows under prestigious programmes like Raman-Charpark fellowship.

5.1.9 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes. The various Schools provide the students with the necessary help in obtaining educational loan from banks and other institutions, as and when necessary. Schools make the documentation and certification process easy and accessible to students who approach for financial help.

5.1.10 What types of support services are available for?

Overseas students

- University has rented two buildings with all infrastructure for the accommodation of international students located close to the campus.
- The university has initiated measures to construct an international hostel.
- University Centre for International Co-operation (UCIC) is working towards enhancing the induction of foreign students and to take care of the special welfare requirements of the international students in association with ICCR.
- The UCIC organizes cultural programmes to make the stay of the overseas students more meaningful. Cultural exchange programmes and student familiarization sessions are also organized with the help of faculty members.
- The UCIC regularly organizes programmes in association with the Kerala State Higher Education Council of Kerala for the overseas students.

Physically challenged / differently-abled students

The university follows the reservation norms for admissions to students joining the various programmes. Upholding the spirit of inclusive education, for the benefit of the physically-challenged, aids like ramps and wheel chairs are provided in all schools for the free mobility of the physically-challenged. New buildings are mandated to be physically challenged-friendly. The university has availed Rs. 1 Crore under the RUSA scheme for the construction of ramps and disabled friendly toilets in all buildings of the University. The classes for differently-abled students are arranged in the ground floor to the maximum extent possible. The University has also provided wheel chairs in all the buildings.

University has conducted a comprehensive access audit to evaluate the state of accessibility in the campus. All the schools and offices in the university are connected with well-maintained roads. University has also initiated steps to



procure an eco-friendly battery operated vehicle with wheel chair access along with preferential parking facilities to ensure barrier free transportation in the campus. Electronic Lab for visually challenged has been set up in the library during October 2015 with an objective to provide reading facilities to blind and low vision library users.

As per U.O No. 4308/P&D -1/3/2016/Admn dated 01/08/2016, the University has issued an order formulating a comprehensive policy for addressing disability issues. The main components of the order are as follows:

- To engage the service of a barrier free design expert and architect to audit the disabled-friendliness of all physical segments of the university.
- To ensure disabled-friendly features like ramp (of a gradient not greater than 18-20 degrees), lifts (wide enough for wheel chair, and with Braille control switch panel and audition), special assistive fixtures and fitting (like handrails and grab bars alongside the side walk of steps and staircases), and disabled friendly washrooms in all future construction projects.
- To allow a grace period of three months for M.Phil and six months for Ph.D students who are physically challenged in the submission of dissertations.
- To ensure at least one terminal in the computer workstation (of all departments, centres) with special assistive technologies, preferably open source, for physically challenged students.
- To ensure the websites of Mahatma Gandhi University and its statutory teaching departments and the affiliating colleges incorporate features friendly to the visually challenged (including colour contrast, variable font size and audition).
- To create a special fund to handle all income and expenditure relating to addressing disability issues of Mahatma Gandhi University including constituent colleges. Besides central and state funding and UGC special assistance, funds are also received from MP/MLA development plan assistance for constituencies, and rules permitting, from the private sector companies (who may fulfil it as part of corporate social responsibility).
- To highlight the aspect of disabled friendliness in all notifications for admission and appointment released by the university with the statement "MGU is proactive to the needs of the physically challenged" is inserted.
- The university has a unique School-School of Behavioural Sciences to impart training and to coordinate research activities in disability, rehabilitation and mental health. The Department of Indian Sign Language was started in the year 2015 to train young professionals who can interpret and communicate in Indian Sign Language. The students



undergoing this course participate in various official programmes and translate the programme in Indian Sign Language.

• The University took the lead to establish an Inter University Centre for Disability Studies as well as an Institute of Research in Learning Disability which are pioneering centres of advanced learning and intervention in the area of disability studies. The main focus of the initiatives is to provide individualized and holistic educational support mechanisms for managing disabilities including learning disability.

The objectives of the initiatives include:

- To develop higher level professionals in the field of disability studies.
- To develop a holistic approach for the total rehabilitation of the disabled.
- To establish advanced facilities and promote research and extension activities in major areas of disabilities.
- To impart training to personnel of NGOs, parent groups, students, teachers, special educators and rehabilitation professionals.
- To address the physical, psychological and socio-cultural issues related to disability based on interdisciplinary studies for evolving sustainable solutions.
- To strengthen the regular school system to facilitate inclusive education.
- The University also took the lead to establish DREAMS (Disability Rehabilitation Early Assessment and Management Services), an extension activity with the objective of providing early identification and intervention services to all types of disabilities under one roof. The initiative provided support services to 764 referral child clients, from medical institutions through DREAMS, during the assessment period.

> SC/ST, OBC and economically weaker sections

Mandatory reservation for the SC, ST, OBC and economically weaker sections are ensured as per government guidelines. Special allotment drive for admissions for the above sections is another major facet. Education is provided free of cost to all SC, ST and non creamy layer OBC students. The faculty helps students in the SC, ST and OBC non creamy layer and other disadvantaged groups to identify and avail various schemes and scholarships. The university has an SC/ST Cell for the welfare of the weaker sections. University offers academic, financial and moral support to the needy. Most of the departments conduct remedial coaching classes to uplift them academically. Volunteer support mechanism prevails in all Schools for the needy.



Students participating in various competitions/conferences in India and abroad

Students are encouraged to participate in international and national conferences, workshops, seminars, and the university provides all possible support to ensure their participations. They are encouraged to participate, present papers and compete for the best paper awards in annual events like Indian Science Congress, Kerala Science Congress, Indian History Congress, South Indian History Congress, Association for Third World Studies and other national and international seminars and workshops within the country. The applications submitted by the students for foreign travel are forwarded to funding agencies on a fast track basis. Many PhD students of the university go abroad by making use of travel grants provided by DST and CSIR. Students of the University very actively participate in the Inter University; inter state and national level sports required competitions. University provides them the Scholarships are given to 130 students for their excellence in sports and games.

Health Centre, Health Insurance etc.

University has a well equipped Health Centre in the campus. A resident medical officer's service is available to the students and staff members. It also conducts regular health checkups to diagnose and prevent life style diseases. Free medical aid, observation facilities, health awareness camps and counseling, preventive medical camps, blood group identification, eye check up etc are conducted on a regular basis. Health insurance is offered to the students. Gymnasium for men and women and also a stadium are available for the students. Yoga classes are conducted for encouraging a healthy life style of the student community by the university.

> Skill development (spoken English, computer literacy, etc.)

For the soft skill development of the students, the university is providing classes in computer literacy and spoken English. All schools have well equipped computer lab with internet connection to cater to the needs of the students. Training programmes are organised in specialized software. University facilitated the service of a Language Lab to enhance the skill in English and French. Centre for English Language and Communication Skills (CELCS) offers short term courses in Communicative English.

A course on 'Communication and Academic Writing' has been made part of the core course of the MA Programme in the School of International Relations and Politics. Also, the School of Management and Business Studies offers a short term skill training programme every four months, for a period of three days to boost the confidence level among students.



➤ Additional Skill Acquisition Program (ASAP)

Courses like 3D animation and computer accounting are offered to under graduate students. Twenty five colleges have registered with the university for ASAP integration.

> Performance enhancement for slow learners

For the performance enhancement of slow learners the following measures were taken:

- Short review at the beginning of each class.
- Extra coaching classes twice a week.
- Clearly articulating the conceptual content of each topic.
- Bilingual teaching efforts.

> Exposure of students to other institutions of higher learning/corporates/business houses, etc.

Collaboration with National Institutes

- Vikram Sarabhai Space Centre (VSSC), Trivandrum, India
- ➤ Rubber Technology Centre, Indian Institute of Technology, Kharagpur, India 721 302
- ➤ Indian Institute of Technology, Chennai
- ➤ Polymer Chemistry Division, National Chemical Laboratory, Pune, India
- Indian Institute of Chemical Technology, Hyderabad, India
- > BARC, Mumbai
- Laboratory of Condensed Matter Physics, University of Rajasthan, Jaipur, India
- Department of Civil Engineering, Indian Institute of Technology, New Delhi, India
- > Department of Physics, University of Mysore, Mysore
- > Jawaharlal Nehru University, New Delhi.
- > Indian Institute of Science, Bangalore
- > IICT, Hyderabad
- > Central Leather Research Institute, Chennai.
- > Centre for Development Studies, Thiruvananthapuram.
- ➤ Indian Institute of Technology (IIT), Jodhpur.
- ➤ Kerala Institute of Local Administration (KILA), Thiruvananthapuram.



State Institute of Rural Development (SIRD), Thiruvananthapuram.

Collaboration with International Institutes

- Macromolecular Science & Engineering Research Centre, Laval University, Quebec, Canada GIK7P4. (Prof. Prud 'homme)
- Abt. Kunststoffee/Verbundwerkstoffe, TU Hamburg-Harburg, AB 5-09, Denickestraβe 15, D-21073 Hamburg, Germany (Prof. V. Alstädt)
- ➤ Technische Universitat Chemnitz, Polymerchemiie, Straβe der Nationen 62, 0911 Chemnitz, Germany (Prof. Steffan Spange)
- Directeur de ENSCCF, 24 avenue des Lais, BP 187 63174 Aubiere, Cedex, France (Prof. Jacques Lacoste)
- Laboratory of Macromolecular Structure Chemistry, Department of Chemistry, Katholieke University of Levuen, Belgium (Prof. Gabriel Groninckx)
- Martin-Luther-Universitat Halle Witenberg, FB Physik, Fridemann-Bach Platz 6, 06108, Halle, Germany (Prof. Manfred Knorgen)
- Assoc. Prof. of Polymer Physics, University of Chemical Technology Metallurgy, 8, Kilment Ohridski Blvd., 1756 Sofia, Bulgaria (Dr. Christo Betchev)
- Institute of Material Science & Technology, Martin-Luther-Universitat, Halle-Wittenberg, Postanschrift D-06099 Halle, Haussanschrift Geusaer Straβe, Germany (Prof. (Dr.) Ing. Hans-Joachim Radusch)
- Institute of Composite Materials Ltd., University of Kaiserslautern, Kaiserslautern, Germany (Prof.(Dr.) Jozef Karger Kocsis)
- ➤ Institute of Polymer Research, Hohe Strasse 6, D- 01069 Dresden, Germany (Prof. Manfred, Stamm, Dr. Jurgen Pionteck, Dr. Petra Poetschke Dr. Cornelia Bellman)
- CNRS Lab, Laboratoire de Recherche sur les, Polymers, UMR 7581-CNRS, 2-8 rue Henri Dunant, 94320 Thiais, Paris, France (Prof.(Dr.) Francoise Laupretre)
- Institut des Matériaux de Rouen, faculté des sciences, BP12, 76801 Saint etienne du rouvray, responsable de LECAP, équipe de l'UMR6522 Polymères-Biopolymères-Membrane, France (Prof. Jean Marc Saiter)
- Laboratoire L2PIC, University of South Brittany, Rue Saint Maude, Lorient Cedex, France (Prof. Yves Grohens)



- ➤ Polymers Nanotextures & Nanocomposites, Centre de Recherche sur la Matiere Divisee1B, rue de la Ferollerie, 45071 Orleans Cedex 2, France (Dr. Christophe Sinturel)
- ➤ Beijing University of Chemical Technology International Exchanges and Cooperation Dept, Add. No.15 Beisanhuan East Road, Beijing 100029,P.R.China (Dr. Yang Weimin)
- > Thermal lab, UIT, University of Paris 12, Creteil Campus, France(Prof. Dr. Yves Candau and Prof. Dr. Abdel Boudenne)
- ➤ Department of Chemical Engineering, CIT, Katholieke University of Levuen, Belgium (Prof. Paula Mouldnaers)
- CNRS, Strasbourg, France, (Prof. Dr. Rene Muller)
- ➤ Department of Chemsitry, Walter Sisulu University, Mthatha, South Africa. (Dr Oluwatobi S Oluwafemi).
- ➤ Department of Chemical Engineering, Katholieke University of Leuven, Belgium (Prof.Dr. Paula Moldnaers)
- > Jozef Stefan institute, Ljubljana, Slovenia (Prof. Dr. Uros Celvar)
- University Technology Mara (UiTM), Malaysia (Dr. Chan Chin Han)
- Institute for Polymer Research Dresden (IPF), Dresden, Germany (Prof. Dr. Manfred Stamm and Dr. Jurgen Pionteck)
- > The Institute of Chindian studies, Jinan University, China
- Caltech University, USA
- > POSTECH, South Korea
- Frankfurt University, Germany
- > Brown, Duke and Plymouth State Universities of USA under Obama Singh Programme
- the Institute of Political Studies (IEP) of Rennes, France
- Sciences Po Bordeaux, France.
- > The Technical University of Denmark.
- ➤ Ben-Gurion University of the Negev, Israel.

The University has academic collaboration with research institutions of international reputation such as the Max Planck Institute of Technology, Germany, Brown University, USA, University of Nantes, University of Strasbourg, University of Nancy, University of Paris Twelve, University of South Brittany of France, California Institute of Technology, USA, University of Toronto, Canada, Catholic University, Belgium, Heidelberg University, Germany, and the Institute of Political Studies, Rennes, France, University of Wisconsin-Parkside, Duke University and Plymouth State University of USA.



Students are encouraged to participate in events conducted by such institutions. They are also allowed to conduct a part of their work for M Sc and M.Phil dissertations in these institutions. Moreover, Ph.D students are also allowed to carry out their experiments in collaboration with the above mentioned institutions. Many Ph.D students have joint publications coauthored by experts from other institutes in India and abroad.

Mahatma Gandhi University has many forms of relationships with different types of organizations, for a variety of reasons that includes:

- The joint development of courses
- Joint research proposals
- Exchange of Faculty members
- Exchange of Students
- Joint Publications in refereed journals
- Joint organising of conferences and workshops
- Joint editing of books by international publishers
- Joint PhD programmes
- To create sustainable strategic alliances

MoU Signed with external organisations and effectively implemented: 46

School	No. of MoUs	Organisation with which MoU is signed
School of Chemical Sciences	8	 University of Alberta Deakin University, Australia Almaty Institute of Power Engineering and Telecommunications, Kazakhstan Louisiana Tech University Universiti Technologi Mara, Malaysia Siberian federal University Russian federation KANSAS STATE University, USA (Proposed) Alathur Pharmaceutical Manufacturers Association, Kancheepuram
School of Behavioural Sciences	5	 St. John the Baptist College of Special Education, Changanacherry Nirmala Sadan Training College for Special Education, Muvattupuzha Snehasadan College of Special



		 Education, Angamaly Janey College of Allied Health, Ernakulam St.John of God College Special Education, Pampady
School of Environmental Sciences	2	 Bhabha Atomic Research Centre, Mumbai Brown University, USA.
Advanced Centre of Environmental Studies and Sustainable Development	5	 Technical University, Denmark. Ben-Gurion University of the Negev, Israel. Plymouth State University, USA. Duke University, USA. IIT, Jodhpur.
School of International Relations & Politics	3	 Institute of Political Studies, Rennes, France The Sciences Bordeaux(IEP), France Institute of Chindian Studies, Jinan University, China
School of Management & Business Studies	1	Management Development Institute, Gurgaon (International Summer University Programmes 2016)
School of Pure and Applied Physics	2	 Inter-University Centre for Astronomy and Astrophysics, Pune SKA-India Consortium comprising of NCRA-TIFR; RRI, Bangalore; IUCAA, Pune; IISC, Bangalore; IIT, Kanpur; IISER, Mohali; SINP, Kolkata; Presidency University, Kolkata, St. Thomas College, Kozhencherry, Jamia Millia Islamia, New Delhi; PRL Ahmedabad; IIT, Indore; IIAp, Bangalore; IIST, Thiruvananthapuram; ISI Kolkata.
	20	 Kingmongkuts University of Technology, Thailand University of Lorrane, France The Ecole National Superior des Minesed Albi-Carmaux Iran National Institute of Materials and Energy The Center for nanocellulose future composite, INHA University, South



1	Korea
	Brusa University, Turkey
	Warsaw University of Technology, Poland
	MRF LTD.Chennai
International and Inter	VIT University Vellore, Tamilnadu
University Center for Nano Science and	Walter Sisulu University, South Africa
Nanotechnology (IUCNN)	 Department of mechanical Engineering, Rajiv Gandhi Institute of Technology, Kottayam
	University of Rouen
	University of Pretoria, South Africa
	 Indian Institute of Tropical Meteorology, Pune
	 Almaty Institute of Power Engineering and Telecommunication, Kazakhstan
	Chagwon National University, Korea
	Deakin University, Geolong, Australia
	 Laboratoire des Sciences Analytiques CNRS, Universite Claude Bernard, Lyon, France
	Alathur Pharmaceutical
	Manufacturers Association, Alathur
	Universiti Teknologi MARA,
	Malaysia

> Publication of student magazines

- University Student's magazine is published every year by the Department Student's Union (DSU). Apart from that, most of the schools have their own magazines and newsletters. For example, *Manasu and Kunchika* published by the Department of Lifelong Learning and Extension. *Hue* is the magazine of the School of Tourism Studies.
- School of Computer Sciences has been publishing an annual technical publication titled "IT Glimpse" with technical articles and papers compiled from students, research scholars, faculty and alumni since 1999. The "IT Glimpse" is released in both printed and online versions during interface meetings.



5.1.11. Does the university provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defence Services, NET/SET and any other competitive examinations? If yes, what is the outcome?

Yes. Various departments of the university conduct coaching classes for NET/SET etc. Apart from that, university has an Employment Information and Guidance Bureau which is providing coaching for the above mentioned courses as and when required. The Bureau offers special programs to students from the under privileged sections of the society. The Department of Life Long Learning and Extension has arranged a series of coaching classes for students appearing for various competitive examinations. The University also conducts UGC sponsored coaching programme named 'Entry into service'.

5.1.12 Mention the policies of the University for enhancing student participation in sports and extracurricular activities through strategies / schemes such as

Additional academic support and academic flexibility in examinations:

University has specific strategies for the overall welfare of the students.

The university has taken innovative measures for supporting students to participate in sports and other extra-curricular activities. Flexibility is shown in computing credit of attendance and scheduling examinations, to the extent possible within the limit of existing norms for participation in sports and games. Grace marks are awarded to students for their achievement in sports to a maximum of 25%. Apart from this, special examinations are conducted for students who miss the university examinations while representing the university team and state team in the AIIU/national competitions.

The School of Physical Education and sports Science provides additional scholarships to the meritorious students, viz: Annual Sports Scholarship of Rs 3, 50, 000/- is distributed annually to the top150 sportspersons and Merit Award of Rs 7, 00,000/- is distributed annually as Merit Award for the Medal Winners in AIIU competitions at the rate of Rs. 10, 000 for Gold, Rs. 7,500 for Silver and Rs. 5,000/- for Bronze.

> Special dietary requirements, sports uniform and materials:

The university through School of Physical Education provides sports uniform and materials to all sports team members. Special dietary requirements are also provided to the students following a scientifically customized menu of the mess periodically and by giving an additional amount of Rs. 150/- per diem for students attending the university coaching camps.

Mahatma Gandhi University has a Stadium, situated on the campus, and is catering to the requirements of its sports persons. The Physical Education Department has setup a Fitness Center equipped with modern facilities. The



Basketball Court, Badminton Court, Football Court and Cricket pitch are the facilities available in the stadium.

➤ Any other (Please specify):

Mahatma Gandhi University Union organizes Youth festival annually to promote art and cultural talents among the students. It also aims at encouraging camaraderie and fellowship among young artists by giving them an opportunity to display their talents on a common platform. The date and venue of the festival are fixed by the Union in consultation with the Vice-Chancellor. There is a Steering cum Appellate Committee (SAC) to supervise and control the conduct of the programme.

Mahatma Gandhi University awards Grace Marks to the winners of Inter collegiate Youth Festival to encourage students who are proficient in cultural activities. Later, University extended the benefit to the winners of South Zone and National Inter University Youth Festivals too.

The Department of Life Long Learning and Extension is offering Yoga sessions and counseling for the students. The Department also organizes workshops/orientation programmes for teachers and students on various topics such as women counseling, campaign against ragging, career guidance, student magazine editing, ill effects of alcoholism etc.

The university also encourages the students' participation in NSS, NCC as well as those interested in business incubation and entrepreneurship, through grace marks, attendance make over and certification. Mahatma Gandhi University National Service Scheme has 205 units and more than 20,000 volunteers from the Arts and Science colleges of Kottayam, Ernakulam, Pathanamthitta, Idukki, Alappuzha Districts and from Mahatma Gandhi University Campus. The contributions by NSS include:

- Socio economic progress in 205 adopted villages under Unnat Bharat Abhiyan Campus Community partnership.
- Swachh Bharat Abhiyan programme covering all public utilities including municipalities, panchayats, railway stations, bus stations, Medical College, Kottayam, and Government hospitals in Kottayam, Ernakulam, Pathanamthitta and Idukki.
- E-Jalakam Training -Training to all first year undergraduate students of the university and orientation on social service named 'Vivaranidhi'.
- Digital India -National e-governance Division (NEGD) selected MG University NSS unit as the pilot university NSS to implement the scheme by empowering the needy.
- Organic farming was familiarised in 100 colleges and 50 model farms were established which resulted in large scale organic agricultural production. The beneficiaries include 2 lakh students and families.



• **Home for the Homeless Project-** Mahatma Gandhi University National Service Scheme constructed and donated 241 houses for the marginalized by mobilizing approximately Rs.3 crores.

Many educational and personality development programmes in the areas of environment conservation, health, nutrition and family welfare, skill development, Home for the Homeless, formation of village libraries, monsoon umbrella manufacturing, E-Gramam projects, manufacturing of Nirmal Soap, lotions, eco-friendly bags, promotion of computer literacy etc. were undertaken by the NSS.

The National Service Scheme of Mahatma Gandhi University has received many laurels from the central and state governments. The university has emerged as the lone Centre of higher learning in India to receive the coveted Indira Gandhi National Awards (twice for Programme Coordinator and once for the Best University NSS), twice in a row for the outstanding performance. In 2012-2013, the University NSS secured Indira Gandhi National appreciation award and in 2013-14 it secured Indira Gandhi National Award for the Best University and Best NSS Co-ordinator. During the year 2014-15, two NSS volunteers - Manoj George and Aishwarya Lakshmi bagged the Indira Gandhi National Service Scheme award for the best volunteers. All the four awards were presented by the Honourable President of India at a formal function held at the Durbar Hall of the Rashtrapathibhavan, New Delhi.



The percentage of Grace Marks for enhancing student's participation in sports and extracurricular activities are given below.

Sl. No.	Items to which Grace Marks shall be awarded	Percentage of Grace Marks
1.	State level events in all Sports/Games/ Relay events (Inter- Districts competition – Individual/team/games event. Certificates from the State/District Association concerned)	
	I Place	5%
	II Place	4%
	III Place	3%
2.	Inter Collegiate events (Individual/team events)	
	I Place	7%
	II Place	5%
	III Place	3%
3.	Representing the State and Winning in Approved National Competition (Inter-State)	
	I Place	12%
	II Place	10%
	III Place	7%
	Representation	5%
4.	Inter University South Zone/South West Zone	
	I Place	10%
	II Place	9%
	III Place	8%
	Participation	7%
	Non participation	6%
5.	All India Inter-University Competition (Indian Universities/ Combined University team	
	I Place	17%
	II Place	14%
	III Place	12%
	Representation/participation in Indian Combined University Team	10%

Mahatma Gandhi University

	Non-Participation	6%
6.	Representing India in approved World competitions (Asian Games/Afro-Asian/Common Wealth/World University Games/Pre-Olympics/Olympics/ Universiad –Junior, Youth, Senior tournaments)	25%
7.	Blind students securing I/II/III places in Sports/Cultural/Youth Festival activities conducted by Kerala Federation of the Blind at College/University/Inter-University level	5%
8.	Inter Collegiate Youth Festival	
	(Individual & Group events)	
	I Place/A Grade/Best Actor/Actress	5%
	II Place	4%
	III Place	3%
	(Limited to 5%)	
9.	South Zone Inter University Youth Festival conducted by AIU (Individual and Team events)	
	I Place	6%
	II Place	5%
	III Place	4%
	(Limited to 6%)	
10.	National Level Youth Festival	
	(Individual and Team events)	
	I Place	10%
	II Place	7%
	III Place	5%
	Limited to 10 %)	
	Accompanists of artists in Youth Festivals (Zonal and National Level only) will be given grace marks as stipulated under UO read as paper (4) above.	
11.	Deaf and Dumb candidates with disability of 40% or above / Hearing impaired candidate with disability of 70% or above / Mentally Retarded candidates (Irrespective of the degree of disability) (Medical Certificates from Medical Board is required)	25%



12.	NSS volunteers		
	NSS certificate holders	2%	
	Attending National Camp with attendance co (NIC, National Youth Festival, Mega Summer Adventure Camp, Pre-RD Camp etc. with at led duration)	3%	
	NSS State awardees and National Awardees		
	Republic Day Camp (This camp should be of a month duration)	at least one	3% 5%
	NSS Volunteers nominated by State		370
	NSS Cell who have attended International Pro	grammes	
	(An NSS Volunteer is eligible to claim grace rany one of the above 5 categories)	nark only from	8%
13.	NCC cadets		
	Attending National Integration Camp		3%
	Attending Republic Day Camp / Parade		7%
	Basic Leadership Camp (TSC) / NS camp / Va		
	Independence Day Camp (Sports and Gar	5%	
	Certificate holders 'C' Certificate	4%	
	'B' Certificate	3%	
	NCC Weightage/Equivalency Certificate issue	3%	
	National level and other Centrally organized camps/YEP (Limited to 10%)		8%
14	Entrepreneurship and Business Incubation		
	Stages	Grace Marks	Attendance (Max.20%)
1	Ideation Stage	1%	5%
2	Teaming and Company Formation	1%	5%
3A or 3B	Prototype (Working Model) for Technology based firms	2%	10%
JD	Business Service of service based firms	2%	10%
_			-



5.1.13 Does the university have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare them for interview, and develop entrepreneurship skills?

Yes. The University has an Employment Information and Guidance Bureau functioning on the campus.

The objectives of the bureau are:

- > To collect and disseminate career information.
- > To highlight opportunities for higher studies.
- > To disseminate information on scholarship, fellowships and financial assistance available in India and abroad.
- > To render vocational guidance to students.
- > To assist students for securing employment.
- > To give information on various competitive examinations.
- > To conduct career guidance classes, seminars and career talks and give guidance on group discussions to equip students for better performance and personality development.
- > To register post graduate degree holders in the general stream and professional degree holders for employment assistance.
- > To prepare employment information bulletin to help students in their educational and vocational planning.

The Bureau imparts training to students in communication skills and soft skill development besides providing information on job opportunities. The functions of the Guidance Bureau are monitored by an Advisory Committee under the Chairmanship of the Vice Chancellor. The Bureau is publishing a fortnightly Bulletin on job opportunities. It contains information about the various vacancies reported by the Staff Selection Commission, Union Public Service Commission, Kerala Public Service Commission and other recruitments boards.

The Guidance Bureau is giving individual guidance to candidates to choose professional courses and jobs by assessing the talents, interest, skill, aptitude, family background etc. Another objective of the Bureau is to equip the candidates to face interviews, group discussions. The Bureau also conducts coaching classes for the competitive examinations at the state and national levels which include UGC/CSIR NET examinations, various competitive examinations conducted by the Public Service Commission, bank tests, Staff Selection Commission tests, State Eligibility Test etc. Coaching classes are rendered to prepare the students belonging to minority, SC & ST communities for the UGC/CSIR NET examinations (with the financial assistance of the



UGC). The Bureau conducts one day career seminar in colleges to create awareness among the students on career opportunities and soft skill development. Seminars focus mainly on career trends in India and abroad, opportunities for higher studies, how to face an interview and also on personality development.

The university is committed to instilling entrepreneurship among students for which it has adopted a unique strategy to provide impetus to the scheme of Government of Kerala. The university has decided to award grace marks and attendance leverage to the students engaged in entrepreneurial tasks while studying. The student opting for the incentives under the scheme has to register in a Technology Business Incubator (TBI) concerned and the certification of the TBI in-charge along with the HOD/Director/Principal/Head of the institution shall forward to the Registrar of the university for Grace marks/attendance.

▶ Placement and Training Cell:

With a view to improving the employability of the students of Mahatma Gandhi University and also to provide an opportunity for placements, a Placement and Training Cell is instituted in Mahatma Gandhi University. The main objective of the Placement Cell at the University level is to work towards reducing the skill gap in students thus enabling them for immediate placements after their respective courses. The major objectives of this Placement and Training Cell are:

- ✓ Guiding students for placement in credible organizations.
- ✓ Conducting seminars, group discussions, and mock interviews as a part of career guidance and personality development.
- ✓ Coordinating the efforts of the students of the various colleges and departments in arranging domain specific training for them.
- ✓ Acting as an information centre for students in job opportunities and competitive examinations.

The major tasks thus enlisted to be performed by this Cell include:

- 1. Providing training to students (EMPLOYMENT READINESS FOUNDATION PROGRAMME)
- 2. Organising Recruitment drives in the campus.



5.1.14 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last six years).

Name of the department	Name of Company (2010-2016)	Number of students recruited
School of Computer Sciences	Infosys(off-campus selection), Bangalore Polus Software, Pvt. Ltd. Technopark ,Trivandrum Suntech Solutions, Technopark, Trivandrum Hages Business Solutions, Technopark, Trivandrum	17
School of Letters	Doordarsan, Malayala Manorama, Mathrubhumi, Deshabhimani and Mangalam	15
School of Management and Business Studies	H R Johnson Inc.,Ernst & Young., KPMG MRF Tyres, Invest Net., Flytext. South Indian Bank, Muthoot Finance. Ltd WIPRO, ITC Ltd., XEROX, BILT R M Education,, Catholic Syrian Bank, Williams Lea., Encare Pharmaceuticals, pvt. Ltd., Sundaram Fastners Ltd., Eureka Forbes, Deloitte.,E & Y	221
School of Tourism Studies	Marvel Tours, Thomas Cook (I) Pvt Ltd.Southern Trails India Pvt. Ltd, Concord Exotic Voyages, TUI Travel PLC, Keralatravels.com, Yoko Tours, Kerala Holidays.com, Le Passage To India, PVR Cinemas, Phoenix Holidays, Kochi, Gradiaso Events & Entertainments Pvt. Ltd, Fair Mount Holidays.	77
School of Communication & Journalism	Mathrubhumi, Manorama, Aisanet, Reporter TV, Kairali Times Of India, Deccan chronicle, Surya TV	198

5.1.15 Does the university have a registered Alumni Association? If yes, what are its activities and contributions to the development of the university?

Yes. All Schools have their own alumni association. They have contributed to the development of the Schools and continue to be part of the academic stream. Contributions of Alumni Associations are varied viz: academic support, updating syllabi, enabling to keep abreast of the latest technologies, student mentoring, general body meetings, distribution of prizes to students for outstanding contribution in the departments, family get-togethers, honoring of teachers, technical seminars, special talks, cultural meets, placement support, internship support and philanthropy.

For example, the alumni of Computer Science organizes INTERFACE, an annual tech-fest, which will invariably include a technical seminar, All India Computing Competitions, cultural shows, publication of technical magazine as well as honouring of bright students. The School of Bioscience Alumni Association



conducts P.C. Raveendran Memorial Lecture to commemorate the late Dr. P. C. Raveendran, former faculty of the school. School of Environmental Sciences Alumni association conducts annual Dr. R. Satheesh Memorial Seminar to commemorate the late Dr. R. Satheesh, faculty of the school. The alumni of School of Letters actively contribute to the lectures in memory of Prof. G. Sankara Pillai, Prof. R Narendra Prasad and D. Vinayachandran, who were not only former faculty members of the School but also prominent men of letters.

The alumni of Department of Lifelong Learning and Extension have started several counselling and yoga centers for the benefit of the students as well as the general public. The alumni have also served as brand ambassadors to propagate organic farming and Yoga in campuses and in adopted villages. The alumni Association of the Yogic Sciences have adopted Idamalakkudy tribal panchayat for enhancing the awareness level of the 3000 odd inhabitants in 26 remote deep forest hamlets by setting up a Library there. Department of Life Long Learning and Extension, depends on the support of the Alumni for the conduct of programmes like Swachh Bharat Abhiyan and Unnat Bharat Abhiyan.

Prominent Alumni of Mahatma Gandhi University:

School of Behavioural Sciences			
Sl No.	Name	Current Position	
1.	Dr. Babu George	Director, Child Development Centre,	
		Thiruvananthapuram	
2.	Dr.Elsheba Mathew	Associate Professor, Pushpagiri Medical	
		college, Thiruvalla	
3.	Sr.Gilbert	Secretary, Trained Nurses Association of	
		India,	
4.	Dr.Roshan Bijlee	Director, Composite Regional Centre,	
		National Institute of Empowerment of	
		Persons with Multiple Disabilities,	
		Kozhikode	
5.	Dr. Sr. Glory	Principal, Nirmala Sadan College of	
		Special Education, Muvattupuzha.	
6.	Dr. T. U. Sukumaran	Professor, Pushpagiri Medical college,	
		Thiruvalla	
7.	Dr. Savida	Superintendent, Institute of Child	
		Health, Govt. Medical College,	
		Kottayam.	
8.	Dr. Valsamma Joseph	Principal, Govt. College of Nursing,	
		Kottayam	
9.	Dr. Sreedevi T. R	Associate Professor, Govt. College of	
		Nursing, Kottayam	
School of Biosciences			
10.	Dr. Sunilkumar	Institute of Biophysics and Physical	
	Puthenpurackal	Biochemistry and Centre of Magnetic	
	Narayanan	Resonance in Chemistry and	
		Biomedicine (CMRCB), University of	



		Regensburg, 93040 Regensburg,
		Germany
11.	Dr. C. Kesavachandran	· · · · · · · · · · · · · · · · · · ·
11.	Dr. C. Resavachandran	Principal Scientist, Indian Institute of
		Toxicology Research, Lucknow-226001, India
10	D C 1 11C	ckchandran@iitr.res.in
12.	Dr. Sudarslal S.	Associate Professor at the School of
		Biotechnology, AmrithaVidhyapeedum
		University Amrithapuri, Kollam,
10	D. W. I. W.	sudarsla@am.amrita.edu
13.	Dr. Krishnan, Manoj	Assistant Professor, Nus and Duke
		center, Singapore,
		: manoj.krishnan@duke-nus.edu.sg
14.	Dr Jacob Biboy	The Centre for Bacterial Cell Biology,
		Newcastle University, United Kingdom
		jacob.biboy@ncl.ac.uk
15.	Aneeshkumar. A.G	Faculty, Molecular Genetics Laboratory,
		National Institute of Immunology,
		New Delhi, aneesh@nii.ac.in
16.	Dr. Srejith	Post-doctoral fellow, Diabetes Research
		Unit
		New York university medical center,
		New York city- New York 10016
17.	Dr. Rajendran	Associate Professor, Division of
		biochemistry and molecular
		biology, Central university of Kerala,
		Kasargod, Mobile No. 9061877113
		rasargou, Woone 100. 2001077113
18.	Dr. Jolly Paul	Regulatory Affairs Specialist, Vifore
		Phrma
		Zurich, Switzerland
19.	Dr.Arun A Rauf	Assistant Professor, University of
		Kerala, Dept. of Biochemistry,
		Trivandrum Mobile 9447290954
		111vandrum Woone 9447290934
School of	 Chemical Sciences	
SCHOOL OL	Chemical Belefices	
20.	PK Biju	Member of Parliament
21.	Dr Suresh C Pillai	Senior R&D Manager in CREST and is
		responsible for managing the
		semiconductor nanotechnology group.
22.	Prof. Dr. Aji P Mathew	Associate Professor in Materials
		Chemistry, Stockholm University,
		Sweden, aji.mathew@mmk.su.se
23.	Prof. Dr. Z. Oommen,	Professor, Dept of Criminal Justice,
23.	Tion. Dr. Z. Commen,	Albany State University, Albany, USA.
24.	Dr. Kuruvilla Joseph	Professor of Chemistry and Dean, IIST,
۷٦.	Di. Kuruvina Joseph	Trivandrum
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25.	Dr. Jyothi T Varkey	Senior Scientist, BASF, USA
26.	Dr. Jayamol George	Chief Patent Officer, SABIC Bangalore
27.	Prof. Dr. Unnikrishnan G	Department of Chemistry, NIT Calicut
28.	Dr. Jacob John	Director, Laboratories, University of
26.	Di. Jacob John	Massachusetts, USA
29.	Dr. Maya John	Senior Scientist, CSIR, Port Elizabeth,
29.	Di. Maya John	South Africa
30.	Dr .K.Sreekumar	Professor, CUSAT
31.	Dr Benny K George	Group Director, USSC
	•	•
32.	Dr Roy Joseph	Scientist-G,SCTIMST Scientist-E,SCTIMST
	Dr Lissy Mol	
34.	Dr C.P Vinod	Scientist F, NCL, PUNE
35.	Dr Subin Jacob	Professor, JNCSR
36.	Dr Suresh C H	Principal Scientist and Head, Inorganic
		and Theoretical Chemistry NIIST,
27	D 0'1 W 1	Trivandrum
37.	Dr. Siby Varghese	Joint Director, RRII, Kottayam, Kerala
38.	Dr. Lizy Mol PP	Senior Scientist, SCTIMST, Trivandrum
39.	Dr. Aby Santhosh Aprem	Deputy Vice president-HLL Trivandrum
40.	Dr. Rani Mol Stephen	Assistant Professor, Department of
4.1	D 11	Chemistry, Devagiri College, Kozhikode
41.	Dr. Johnson	Kodak, Senior Scientist, Rochester,
12		USA
42.	Dr. Jyotishkumar P	Expert Researcher, King Mongkut's
12	D 1 1/	University, Bangkok, Thailand
43.	Pradeep Kumar	Department of chemistry, IIT Bombay.
44.	Dr. Alex Koshy	Department of Chemistry and Physics
		Chicago State University, Chicago,
4.7	D. D. M. d.	Illinois, United States.
45.	Dr. Beena Mathew	Director, School of Chemical Science
4.6	D. D. E.	Mahatma Gandhi University, Kottayam
46.	Dr. Raju Francis	School of Chemical Science
		Mahatma Gandhi University, Kottayam
	Computer Sciences	Domitis Commissions Of D. I.
47.	Rema Rajeshwarti I.P.S.	Deputy Commissioner Of Police,
		Malkajgiri zone, Cyberabad(Hyd),
		Head-Cyb SHE TEAMS Malkajgiri,
48.	Santhosh Pillai	Hyderabad Tachnical Program Managar Microsoft
40.	Sanulosh Filial	Technical Program Manager, Microsoft, USA
49.	Sunil Chakkannan	Consulting Member of Technical Staff,
49.	Sunil Chakkappen	1
50.	Suresh Babu	Oracle, San Francisco Bay Area, USA
30.	Sulesii Babu	Director, R &D Engineering, V M Ware,
£ 1	Dr. Lokshmi C	Bangalore Scientist E. Novel Physical and
51.	Dr Lekshmi S	Scientist E, Naval Physical and
		Oceanographic Laboratory, DRDO,
		Ministry of Defence, Thrikkakara,,
		Kochi



USA Senior Project Manager, Infosys Ltd. Trivandrum	50	Y 1	
Infosys Ltd. Trivandrum Senior Software Design Engineer, Microsoft, USA	52.	Jeesmon Jacob	
School of Environmental Sciences	53.	Vipin Das R	Senior Project Manager,
Microsoft, USA			Infosys Ltd. Trivandrum
School of Environmental Sciences	54.	Vipins Gopinath	Senior Software Design Engineer,
S5. Dr. PC Abhilash Assistant Professor, BHU			Microsoft, USA
Scientist E, KFRI	School of I	Environmental Sciences	
Scientist E, KFRI	55.	Dr. PC Abhilash	Assistant Professor, BHU
S7. Dr. Rakesh PS Scientist, NIO, Mumbai	56.	Dr. Shijo Joseph	
S8. Dr. B. Ajayakumar Geologist, Department of Mining and Geology, Kerala	57.		Scientist, NIO, Mumbai
Geology, Kerala		Dr. B. Ajayakumar	
59. Dr. Jayasooryan KK 60. Dr. Joshy George, 61. Mr. Sreekandan Nair 62. Prof. Dr. Thomas Mathew 63. Dr. P M Koshy 64. Dr. P M Koshy 65. Dr. Aby George 66. Dr. Siby K Joseph 67. Mr. Stephen George 68. Dr. Mr. Stephen George 69. Venu Nair 69. Venu Nair 69. Venu Nair 69. Venu Nair 70. Jayashankar Bhaskaran 60. Dr. Jayashankar Bhaskaran 60. Dr. Jayashankar Bhaskaran 60. Dr. Aby George 60. Dr. OK Narayanan 60. Dr. OK Narayanan 60. Dr. Aby George 60. Dr. Mr. Stephen George 61. Dr. Mr. Stephen George 62. Dr. Mr. Stephen George 63. Dr. Mr. Stephen George 64. Dr. Mr. Stephen George 65. Dr. Abraham P George 65. Dr. Mr. Stephen George 66. Dr. Mr. Stephen George 67. Mr. Stephen George 87. Greital Income Tax Appellate 87. Dr. Anitha Anoop 88. Dr. Anitha Anoop 89. Greital Mr. Stephen George 89. Venu Nair 89. Dr. Anitha Anoop 89. Greital Income Tax Appellate 8		3 3	
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Thought and Development Studies, MG University & Visiting Professor, Gujarat Vidyapeet, Ahmadabad. 69. Venu Nair National Award winner and Film Maker 70. Jayashankar Bhaskaran Cataloging Officer in US Embassy, New Delhi School of Indian Legal Thought 71. Dr. O K Narayanan Member, Central Income Tax Appellate Tribunal 72. Abraham P George Member, Central Income Tax Appellate Tribunal 73. Dr. Anitha Anoop General Manager, Securities and Exchange Board of India, Bombay			
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University & Visiting Professor, Gujarat Vidyapeet, Ahmadabad. 69. Venu Nair National Award winner and Film Maker 70. Jayashankar Bhaskaran Cataloging Officer in US Embassy, New Delhi School of Indian Legal Thought 71. Dr. O K Narayanan Member, Central Income Tax Appellate Tribunal 72. Abraham P George Member, Central Income Tax Appellate Tribunal 73. Dr. Anitha Anoop General Manager, Securities and Exchange Board of India, Bombay			
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Delhi	70.	Jayashankar Bhaskaran	Cataloging Officer in US Embassy, New
71. Dr. O K Narayanan Member, Central Income Tax Appellate Tribunal 72. Abraham P George Member, Central Income Tax Appellate Tribunal 73. Dr. Anitha Anoop General Manager, Securities and Exchange Board of India, Bombay			
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Tribunal 73. Dr. Anitha Anoop General Manager, Securities and Exchange Board of India, Bombay			
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73. Dr. Anitha Anoop General Manager, Securities and Exchange Board of India, Bombay			* *
Exchange Board of India, Bombay	73.	Dr. Anitha Anoop	General Manager, Securities and
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74. Prof. Dr. Liza P Lukose Professor, Indraprastha University. New	74.	Prof. Dr. Liza P Lukose	Professor, Indraprastha University, New
Delhi		1	
75. Prof. James J Nedumpara Executive Director, Dept. of	75.	Prof. James J Nedumpara	
International Trade Laws, Jindal Global		r	_

		University, Haryana
76.	Dr. Unni VR	Associate Professor & Head, IIT,
70.	Di. Olili VK	Kharagpur
77.	Dr. V Arya	Associate Professor, Indian Law
/ / .	Di. V Aiya	Institute, New Delhi
78.	Prof. Dr. Sanurani Paul	Professor, ICFAI University, Hyderabad
79.	Dr. Sunil Gladson	Associate Professor, Dr. Ambedkar State
19.	Dr. Suilli Glausoli	Law University, Chennai
80.	Dr. Anish V Pillai	Assistant Professor, Department of Law,
		Cochin university of Science and
		Technology
School of 1	International Relations and	
81.	B.S. Tirumeni IAS	District Collector, Wayanad, Kerala
82.	Dr. A.K. Ramakrishnan	Professor, School of International
		Studies, JNU, New Delhi.
83.	T. Rajah Balaji IPS	Central Bureau of Investigation (CBI),
		New Delhi
84.	M.H. Ilias Hussein	Professor, Jamia Milia Islamia, New
		Delhi
85.	Dr. Happymon Jacob	Associate Professor, JNU, New Delhi
86.	M.S. Sreerekha	Assistant Professor of Women's Studies,
		University of Virginia, USA
87.	Dr.Mathew Joseph	Associate Professor, Jamia Milia
		Islamia, New Delhi
88.	Stanly Johny	Editor, Foreign Affairs, The Hindu
89.	Dr. T.G. Suresh	Associate Professor, Centre for Political
		Studies, JNU, New Delhi.
90.	Sebastian.N	School of Global Studies, Sikkim
		Central University, Sikkim
91.	Dr. K.B. Usha	Associate Professor, Centre for Russian
		Studies, JNU, New Delhi
92.	Anil G. Nair	Executive Editor, Rajya Sabha TV, New
		Delhi.
93.	Dr.Binitha Thampi	Assistant Professor, IIT, Chennai
94.	Dr. Thomas Joseph	Associate Professor, University of
		Baroda
95.	Roopa Rachel Kuruvilla	Senior Chief Editor, Khaleej Times,
		Dubai
96.	V M. Satheesh	Freelance Journalist, Dubai
97.	Dean Kuriakose	Political Activist
98.	Dr. Shahul Hameed	Chief of China Desk, Confederation of
		Indian Industry (CII)
99.	Dr. Alice Jose	Principal, Alphonsa College, Palai
100.	Dr. A.M Thomas	Director, School of International
		Relations and Politics, MG University
101.	P T Chacko	Press Secretary to Former Kerala Chief
		Minister
102.	Rekha Raj	Programme Manager- Women's Rights,



		Amnesty International India, Bangalore	
103.	Ta Minh Tuan	Direct General and Assistant to the	
		Deputy Prime Minister, Government of	
		Vietnam, Hanoi.	
School of 1			
104.	Sidhartha Siva	National award winning film maker	
105.	Dr. Sreenath Nair	Academic, Lincoln University, UK	
106.	Anwar Ali	Prominent poet	
107.	Dr. Manoj M B	Poet, academician	
108.	Dr. Manoj Kurur	Poet, academician	
109.	Dr. Ajay Sekher	Academician, translator and critic.	
110.	Ettumannur Kannan	Academic and Kathakali Artist	
111.	Dileesh Pothen	Theatre activist and film maker.	
112.	Unnikrishnan B.	Critic, film maker and activist.	
School of I	Management and Business		
113.	Dr Roshna Varghese	Assistant Professor, Rajagiri Institute of	
		Management, Cochin	
114.	Sarita K P	LIC Divisions Officer, Ernakulum	
115.	Dileep K H	Deputy Manager, Axis Bank	
116.	Eby Elias	Manager, South Indian Bank	
117.	Shanavas	Deputy Collector, Kollam District	
118.	Dr Biju M K	Assistant Professor, M G University.	
School of I	Pedagogical Sciences		
119.	Dr.Minimol Srambickal	Director, College Development Council,	
		University of Kerala.	
120.	Dr.Amruth G. Kumar	Associate Professor, Central University,	
		Kasaragod.	
121.	Dr.Anu G. S	Assistant Professor, Central University,	
		Himachel Pradesh.	
122.	Dr.Subash,	Associate Professor, NCERT, New	
100		Delhi.	
123.	Dr.AncyVarughese	Project Officer, SCERT, Trivandrum	
School of I	Physical Education & Sport	ts	
124.	Anilda Thomas	Senior Superintendent, Forest	
127.	7 mida Tilomas	Headquarters, Thiruvananthapuram (
		Olympian, Athletics)	
125.	O.P Jaisha	Senior Clerk, South Central Railway, (
123.	O.I Juisha	Olympian, Athletics)	
126.	Jinson Johnson	Havildar, Indian Army, (Olympian,	
120.		Athletics)	
127.	Gopi T	Havildar, Indian Army, (Olympian,	
12/.		Athletics)	
128.	Sri. Deepu S	PET in Physical Education, Kendriya	
120.		Vidyalaya	
School of Pure and Applied Physics			
129.	Prof. Ajith	Associate Professor, International Centre	
	Parameshwaran	for Theoretical Sciences TIFR.	



		(Detection of gravitational waves. Breakthrough 1million US\$ Prize in Fundamental Physics awarded to the LIGO Team for detection of gravitational waves)
130.	Dr Rahul R Nair	Reader, Condensed Matter Physics Group, University of Manchester and a Royal Society University Research Fellow. (Member in the Research team of Prof Andre Geim who won the Nobel Prize in Physics for work with Graphene. He has been awarded the Moseley Medal & Prize for Early Career Researchers by the Institute of Physics)
131.	Dr Vinu Vikram	Kavli Institute for Cosmological Physics as KICP Associate Fellow (Leader of the team at the Argonne National Laboratory which generated the Dark Matter Map of the Universe.)
132.	Dr Gin Jose	Chair in Functional Materials at the University of Leeds (Developed a small device with low-powered lasers to measure blood glucose levels without penetrating the skin. It could give people a simpler, pain-free alternative to finger pricking.)
133.	Dr Naslim Neelamkodan	EACOA Fellow at Academia Sinica Institute of Astronomy and Astrophysics (ASIAA) (Discovery of the most Zirconium rich Star till date.)
134.	Dr Harsha S Kumar	Manitoba University, Canada
135.	Dr G Ajith Kumar	Recipient of SPIE Green Photonics Award for work on "Infrared excited Yb: Er: Y2O2S phosphors with intense emission for lighting applications", Post-doctoral fellow, University of Texas, San Antonio, USA
136.	Dr Pramod Gopinath	Director, International School of Photonics, Cochin University of Science & Technology
137.	Joji Joykutty	Intellectual Property (IP) Analyst at General Electric Global Research Centre in Bangalore
138.	Dr K N Narayanan Unni	Director, Photochemistry Laboratory NIIST (CSIR) Trivandrum



School of S	Social Sciences	
139.	Dr. P. K. Michel	Former Vice-Chancellor of Kannur
	Tharakan	University
140.	Dr. Sujith Kumar Parayil	Assistant Professor, Centre for Media
1.0.		Studies, Jawaharlal Nehru University
141.	Dr. Bindu Menon	Associate Professor, Lady Sriram
171.	Di. Binda Menon	College, New Delhi
142.	Dr. Justin Mathew	Assistant Professor, Hansraj College,
172.	Di. Justini Wattie W	University of Delhi
143.	Dr.Susan Thomas	Assistant Professor, Sree
143.	Dr.Susun Thomas	Shankaracharya Sanskrit University
144.	Dr. Amruth M.	Scientist, Kerala Forest Research
144.	Di. Ailitutii Wi.	Institute, Peechi
145.	Dr. Suresh M.	Assistant Professor, Tata Institute of
143.	Di. Sulesii M.	
146.	Saii M Vadavil	Social Sciences, Bombay
140.	Saji M Kadavil,	International Consultant, CSR and
147.	Dr. J Devika	Business Development, New Delhi
147.	Dr. J Devika	Associate Fellow, Centre for
		Development Studies,
1.40	D. Di'i' M. d	Thiruvananthapuram
148.	Dr. Philip Mathew	Associate Professor, International
		School
	Fourism Studies	The state of the s
149.	Dr. Sindhu Joseph	Assistant Professor, GPM Government
		College, Manjeswar, Kasargode (Dist)
150.	Anita T.A	School of Tourism Studies, MG
		University
151.	Lijesh Jose	Emirates, Dubai
152.	Yatheeshkumar	Branch Manager, Thomas Cook,
		Thrissur
153.	Akhil K.S	Intersight Holidays, Bangalore
154.	Rakhi C.R	Dolphin Line – Cargo and Freight
		Company, Dubai
Departmen	nt of Lifelong Learning and	Extension
155.	Sri.M.R. Unni	Registrar, M.G. University
156.	G.Sreekumar,	Former P.R.O, M .G.University
157.	T.M. Varghese,	Recipient of National award for the best
137.	1.171. Turgitese,	teacher
158.	Prof. Thomas Joseph	Former Secretary, Higher Education
130.	1101. Thomas Joseph	Council, Kerala
International and Interuniversity Centre for Nanoscience and		
Nanotechn	ology	
159.	Dr. Robin Augustine	National Postdoctoral Fellow, NIT Calicut
160.	Aruni Shaji	Doctoral Fellow, IPF Dresden, Germany
161.	Chithira Kartha	Frieveurg, Germany
162.	Dr. Prasenjit Saha	IIEST, Shibpur
	j ,	7 ' T T T



Advanced (ACESSD)		Studies and Sustainable Development
163.	Dr, T.U. Sukumaran	Prof. of pediatrics, Pushpagiri Medical College, Thiruvalla.
164.	Dr. Johntkutty J.	Head of the Department of Physics,
	Ozhukayil	MES College, Nedumkadam
165.	Dr. Koshy P.M	Associate Professor, St Stephens
		College, Pathanapuram
166.	Dr. Shijo Joseph	Scientist, Kerala Forest Research
		Institute, Thrissur
	or Intensive Research in B	
167.	Dellamol Sebastian	Ph.D Programme - USA (CUNY
		Fellowship, USA).
168.	Anumol S	Ph.D Programme -Indian Institute of
		Science, Bangalore
169.	AshnaShaji	Ph.D Programme - Indian Institute of
		Technology, Madras
170.	Surya K	Ph.D Programme -Indian Institute of
		Technology, Mumbai
171.	Sudheesh T. S	Ph.D Programme - Indian Institute of
		Technology, Mumbai
172.	Manish Kumar	Ph.D Programme – Indian Institute of
TT • •4	C II CE : :	Science Education and Research, Mohali
	College of Engineering Dr.Greeshma Nair	Associate Dublisher Chamistan Flourier
173.	Dr.Greesiilia Nair	Associate Publisher-Chemistry Elsevier
		B.V., Radarweg 29, Amsterdam 1043 NX, Netherlands
174.	Dr.Gijo Raj	Prof. Pance Naumov Group
1/4.	Dr.Oijo Kaj	1 Tot. I ance Ivaumov Group
		New York University Abu Dhabi
		(NYUAD)
		(2.12.22)
		P.O. Box 129188, Saadiyat Island, Abu
		Dhabi, UAE
175.	Mr. Prasanth R	Head - Rubber Division
		LanXess India Ltd
176.	Mr.Jaison Jose	Huntsman International Pvt Ltd, Mumbai
177.	Mrs. Jayalakshmi C.G	Scientist –G, DRDO, Pune
177.	Mr. Job Antony	Assistant Manager, Renault-Nissan India
170.	IVII. JOU AIRORY	Pvt Ltd, Chennai
179.	Dr. Bini Varghese	Scientist- ISRO
180.	Dr. Arjun Namboothiri	Scientist-ISRO
100.		



School of Te	chnology & Applied Sciences		
181.	Dittin Andrews	Senior Scientist, CDAC, Bangalore.	
182.	Mahesh Balakrishnan	Project Manager, UST Global, California.	
183.	Sankaran Bhatathiripad	Lead Software engineer Thomson Reuturs, New York.	
184.	Parameswaran Namboothiri	Scientist C, CDAC, Trivandrum	
185.	Mahesh Mahadevan	Cyber Security Consultant, Sultanate of Oman.	
186.	Jyothi Mavila	Senior Project Manager, Microsoft Corporation, Vancouver, British Colombia	
187.	Dr. Sreethara Sharma	Scientist (R&D), Tata chemicals Ltd., UK	
188.	Dr. Abhilash Kumar K.R.	Rubber Technologist, Dunlop Aircraft Tyres, UK	
189.	Prasad P.	Team Leader, Infosys, Bangalore.	
190.	Jojan V.L	Senior Manager (Technical) Alliance Tyres Ltd., Israel	
School of A	Applied Life Sciences	,	
191.	Dr.T.G.Manojkumar,	Asst. Director, Marine Products Export Development Authority, Kochi	
192.	Dr. P.S.Sivaprasad,	Society for Assistance to fisher women Dept. of Fisheries, Govt. of Kerala	
193.	Dr.K.Jayalekshmi	Asst.Professor, Kerala University of Fisheries and Oceans, Kochi	
194.	Dr.J.Jean Jose	Asst.Professor,Dept.Zoology, S.G.College, Kottarakkara, Kerala	
195.	Dr.Eapen Jacob	Asst.Professor, Dept.Zoology, Women's College ,Trivandrum	
196.	Dr.B.O.Prasad	Asst.Professor, Dept. of Zoology. ,Kannur University	
197.	Dr.Shilly Elizabeth David	Asst.Professor, Dept of Zoology, Mar Thoma College, Tiruvalla	
School of Medical Education			
198.	Sudhish Manilal	Medical Record Officer, KIMS Alshifa Hospital	
199.	Mahesh Madhavan	Head of Biomedical Engineering (Health Technology Management), Aster MIMS Hospital, Calicut	

	Т.	
200.	Arunkumar	Quality and Process improvement
		Associate, Access Health International,
		Vijayawada
201.	Lincy Margaret	Quality Assurance Officer, National
		Health Mission, Kerala
202.	Shilpa Raju	Medical Record Technician, Muthoot
		Medical Centre, Kozhencherry
203.	Mobin Mathew	Medical Records Executive at Rajagiri
		Hospital Kochi
Mahatma	Gandhi University Colleg	
204.	Sundaran Konadan	Assistant Manager, Life Insurance
		Corporation of India, Kalpetta
205.	Shine	Deputy Director of Education, Govt. of
		Kerala
206.	Saju Varghese	Circle Inspector of Police, Pampady
207.	Arshad A	Circle Inspector of Police,
		Mullapperiyar
208.	Arun Zachariah	Assistant Director, IT department, Govt.
		of Kerala
Departmen	nt of Library and Inform	ation Sciences
209.	Santhosh K N	Assistant Professor, St. Peters College,
		Kolencherry
		Holehenerry
210.	Ajesh E S	Assistant Librarian, Marian International
		Institute of Management
		institute of Management
211.	Gayathri Mohan	Library Assistant VSSC,
	Guyumii wonan	Thiruvanathapuram
		Timuvanaurapuram
212.	Pooja Lakshmi K K	Pushpagiri Institute of Medical Sciences
212.	1 00ja Laksiiiii K K	
		& Research Centre, Thiruvalla
Sobool of 4		moliam
School of	Communication and Jour	114112111
213.	Dr. Priyamol	IIS
213.	T G Biju	Times of India
214.	Biju Govind	The Hindu
		The Hindu The Hindu
216.	Soyesh H	
217.	Prasanth Menon	Times of India
218.	Shailesh Viswanath	Times of India
210	Menon	(T) (T)
219.	Anto T	Times of India
220	NI' 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T 1' T 1
220.	Nishad VH	India Today



5.1.16 Does the university have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

Yes. A Student Grievance Redressal Cell is functioning in the university with the Vice-chancellor as the chairperson. All the schools have units of the grievance redress mechanism supervised by the Heads of Departments. Decisions on grievances and complaints are taken in the meeting of Board of Adjudication of Students Grievances (BASG) headed by the Vice Chancellor.

The grievances of the students are normally settled amicably, without the academic routines of the School or University being affected. Power failure, voltage fluctuation, connectivity, mosquito and stray dog menace are some of the grievances reported.

5.1.17 Does the university promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing cell and mechanism to deal with issues related to sexual harassment? Give details.

Gender sensitization programs are being conducted in all departments to avoid sexual harassment. The curriculum of the PG Programme of the School of Pedagogical Sciences has areas like women empowerment and women issues. School of Letters offers an elective course titled "Women, Society and Literature." All the Schools observe gender sensitization programmes like the International Women's Day (8th March) International Day of Girl Child (11th October) and Malala Day etc. The University has instituted a permanent Cell to combat sexual harassment.

5.1.18 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

Yes. There is an anti-ragging committee in the university with the Vice Chancellor as Chairman. There are school wise anti-ragging committees functioning apart from the university level one. At the school level, the Head of the Department/Director is in charge and the faculty members and student representatives are part of the committee. The first year students are informed about the committee and they can report any ragging issues directly to the committee or through the faculty in charge. No cases have been reported so far from the schools or from affiliated institutions. In compliance with the directions of the Hon'ble Supreme Court of India, anti-ragging campaign was conducted in the campus and in affiliated institutions.

5.1.19 How does the university elicit the cooperation of all its stakeholders to ensure the overall development of its students?

University ensures the cooperation of all stakeholders to ensure overall development of its students. The Syndicate and Senate have student representatives. The faculty members contribute to the overall development of



the university through their academic contributions and their participation in the various academic bodies. The alumni of the departments contribute to the welfare of the present students by their constant interaction through alumni meetings. The feedback from parents is also sought in Schools/Centres. All these enable the university to plan and reformulate its academic objectives and activities. The university also has active industrial linkage to ensure holistic development.

5.1.20 How does the university ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

Women students are encouraged to take part in sports competitions and cultural activities. The School of Physical Education and Sports Sciences takes care of the participation of women students in intra- and inter-institutional sports competitions. Department of Students Services and National Service Scheme take care of the cultural activities.

The details of the achievements of Women students in co-curricular, extracurricular and cultural activities at different levels are as follows

	WOMEN ARJUNA AWARDEES OF MAHATMA GANDHI UNIVERSITY				
1	Smt. Preeja Sreedharan - Athletics 2011				
2	2 Smt. Geethu Anna Jose - Basketball 2014				

OLYMPIANS OF MAHATMA GANDHI UNIVERSITY			
1	Smt. Anilda Thomas - Athletics	2016	
2	Smt. O.P. Jaisha - Athletics	2016	



	INTERNATIONAL WOMEN SPORTS PERSONS OF THE UNIVERSITY				
1	Smt. Anu R	Athletics	2015		
2	Smt. Saneesha E P	Athletics	2015		
3	Smt. Poojamol K S	Basketball	2014		
4	Smt. Vinaya Joseph	Basketball	2014		
5	Smt. Rekha S	Volleyball	2013		
6	Smt. Renjini C.A	Handball	2013		
7	Smt. Aswathy E	Volleyball	2012		
8	Smt. Thanu Mathew	Handball	2012		
9	Smt. Maria Ronny	Table Tennis	2011		
10	Smt. Reshmi Bose	Athletics	2010		
11	Smt. Megha Merin Mathew	Badminton	2010		
12	Smt. Fathima Ruksana	Volleyball	2010		
13	Smt. Smisha K.S.	Volleyball	2010		

PARTICIPATION AT WORLD UNIVERSITY CHAMPIONSHIP					
1	1 Smt. Megah Merin Mathew Badminton 2013				
2	Smt. Arathy Sara Sunil	Badminton	2013		
3	3 Smt. Sheena P.V Athletics 2013				



The Indira Gandhi National Service Scheme award for the Best Volunteer for the year 2014-15 was achieved by Aishwarya Lekshmi .R.

According to the norms of Mahatma Gandhi University Arts festivals, there are about 65 cultural events in which students compete. Out of these items, 4 events are exclusively meant for participation of girls (Mohiniyattam, Thiruvathirakali, Oppana and Margam kali).

5.2 Student Progression

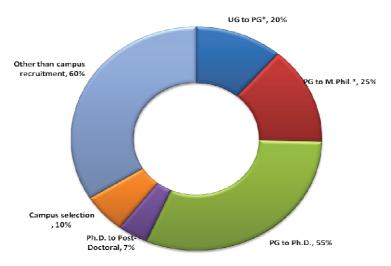
5.2.1 What is the student strength of the university for the current academic year? Analyse the Programme-wise data and provide the trends for the last six years.

Student Strength 1443

Programme	% progression
UG to PG*	20%
PG to M.Phil *	25%
PG to Ph.D	55 %
Ph.D to Post-Doctoral	7%
Employed	
Campus selection	10%
Other than campus recruitment	60%

About 60% of the students of the Science Schools are opting for Ph.D after their PG programme. Students of the Schools like Management and Business Studies, Computer Sciences, Tourism Studies etc. are opting for employment after their studies.





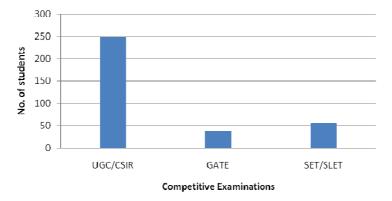
Student Progression – Programme wise data

5.2.2 What is the programme-wise completion rate during the time span stipulated by the university?

More than 97% of students admitted to the PG and M.Phil complete their course successfully. The completion rate of Ph.D programme is 99%.

5.2.3 What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.?

About 24% of the PG students have cleared the National competitive tests successfully. For the last five years, a total of 249 students have cleared the UGC-CSIR NET, 38 students have scored the GATE, 55 students have cleared the SLET/SET tests.



Number of students who have cleared the National level tests during the last five years.



5.2.4. Provide category-wise details regarding the number of Ph.D/ D.Litt. /D.Sc. theses submitted/ accepted/ resubmitted/ rejected in the last four years.

Grand Total of PhD during the past five years

Submitted - 869
Accepted - 860
Resubmitted - 09
Rejected - Nil

G.14.477.14	Number of PhD Theses			
Behavioral Sceinces Biochemistry Biotechnology Botany Chemistry Commerce Computer Science Economics Education English Environmental Sciences Fine Arts Fishery Science Gandhian Studies Hindi	Awarded/Submitted	Resubmitted	Rejected	
Arabic	6			
Behavioral Sceinces	15			
Biochemistry	37	1		
Biotechnology	16			
Botany	28			
Chemistry	63	2		
Commerce	79			
Computer Science	14	1		
Economics	48			
Education	65			
English	32			
Environmental Sciences	34	2		
Fine Arts	2			
Fishery Science	2			
Gandhian Studies	14	1		
Hindi	40			
History	7			
Home Science	7			
Immunology	3			
International Relations	16			
Journalism	1			
Law	9			
Malayalam	60			
Management Studies	18			

Mathematics	26		
Microbiology	9		
Nano Science and Nanotechnology	1		
Nursing	1		
Pharmacy	3		
Physical Education	14		
Physics	51	2	
Psychology	5		
Philosophy	3		
Physiology	1		
Political Science	5		
Public Health	1		
Sanskrit	9		
Social Science	59		
Sociology	4		
Social Work	14		
Special Education	4		
Statistics	15		
Syriac	3		
Theatre Arts	1		
Zoology	24		
Total	869	9	-

List of recipients of Honorary Degree 2010-2016 (conferred by Mahatma Gandhi University)

Mahatma Gandhi University honored the following eminent personalities by conferring D.Litt and D.Sc during the last five years.

Sl No.	Name	Area of Excellence	Degree Conferred	Date of Award
1	A. Ramachandran	Art	D.Litt	20 th November 2013
2	N. Ram	Journalism	D.Litt	20 th November 2013
3	Late V. Dakshinamoorthy	Music	D.Litt	20 th November 2013
4	C.N.R Rao	Science	D.Sc.	20 th November 2013
5	K. Radhakrishnan	Science	D.Sc.	21st April 2015



5.3. Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.

The following is the list of sports items available for students of the University

Athletics	Ball Badminton		
Badminton	Basketball	Basketball	
Chess	Cross country Rac	e	
Cycling	Football		
Half Marathon & walking	Handball		
Hockey	Judo		
Kabaddi	Kho Kho		
Softball	Swimming/Water polo		
Table Tennis	Tennis		
Volleyball	Weight Lifting		
Best Physique	Wrestling		
Cricket	Power lifting		
Baseball	Netball		
Yoga	Taekwondo		
Other facilities include:			
Indoor Badminton Court		Yoga	
Fitness Centers for Men and Women			



Programme Calendar of the School of Physical Education and Sports Science 2011-12

Sl. No	EVENT	DATE OF I.C TOURNAMENTS	VENUE	No of Students Participated
1	Power Lifting(M&W)	Sep 7	U. C. College, Aluva	85
2	Volleyball(M&W)	Sep 10-12	S.H.College, Thevara	300
3	Basket Ball(M&W)	Sep 14,15	BPC College,Piravom	350
4	Wrestling (M&W)	Sep 16	Maharajas College, Ernakulam	60
5	Handball(W& M)	Sep19,20	Maharajas College, Ernakulam	175
6	Hockey (M&W)	Sep 21,22	CMS College, Kottayam	400
7	Tennis (M&W)	Oct 8	MA, Kothamangalam	65
8	Kabaddi(M&W)	Oct15,16	K.G.Pampady	116
9	Kho-Kho (M&W)	Oct 19,20	MA, Kothamangalam	200
10	Badminton(M&W)	Oct 22,23	MA, Kothamangalam	110
11	Chess(M&W)	Oct 28,29	K.G.Pampady	75
12	Cross Country(M&W)	Nov 3	MA, Kothamangalam	300
13	Swimming and WaterPolo	Nov 8,9	MA, Kothamangalam	250
14	Judo(M&W)	15 Nov	S. S. College Kalady	110
15	Baseball (M&W)	Dec. 1, 2,3	K.E.College, Mannanam	180
16	Cycling (M&W)	Dec, 4	Assumption Changanachery	50
17	Weightlifting/ Best Physique	Dec 16	SVRNSS College, Vazhoor	115
18	Ball Badminton (M&W)	Dec 20 ,21	Marthoma.College, Tiruvalla	220
19	Softball(M&W)	Jan 2 - 4	Marthoma College, Tiruvalla	350
20	Yoga (M&W)	Jan 7	University Stadium	90
21	Netball (M&W)	Jan 9 - 10	Alphonsa Colege.Pala	280
22	Taekwondo(M&W)	Jan13, 14	U.C.College , Aluva	90
23	Half Marathon(M&W)	Jan 27	MA, Kothamangalam	90
24	Athletics(M&W)	Jan 28,29	S. S. College Kalady	870
25	Cricket (M&W)	Feb 3 - 7	Baselius College, Kottayam	600
26	Table Tennis(M&W)	Feb 9	Chinmaya Vidyapeet Ernakulam	100
27	Football (M&W)	Feb 10 - 11	Newman College, Thodupuzha	825
28	Fencing(M&W)	Feb 13	University Stadium	110



SPORTS CALENDAR, 2012-2013

Sl. No	EVENT	DATE OF I.C TOURNAMENTS	VENUE	No of Students Participated
1	Wrestling (M&W)	Sep 16	Maharajas College, Ernakulam	75
2	Handball(W& M)	Sep 19,20	Maharajas College, Ernakulam	200
3	Hockey (M&W)	S 21,22	CMS College, Kottayam	420
4	Tennis (M&W)	Oct 8	MA, Kothamangalam	90
5	Kabaddi(M&W)	Oct15,16	K. G. Pampady	175
6	Kho-Kho (M&W)	Oct 19,20	MA, Kothamangalam	240
7	Half Marathon(M&W)	Oct 27	MA, Kothamangalam	95
8	Athletics(M&W)	Oct 28,29	S. S. College, Kalady	900
9	Cricket (M&W)	Nov 3 - 7	Baselius College, Kottayam	750
10	Table Tennis(M&W)	Nov 9	Chinmaya Vidyapeet Ernakulam	120
11	Football (M&W)	Nov 9 - 11	Newman College, Thodupuzha	900
12	Fencing(M&W)	Nov13	University Stadium	115
13	Weightlifting/ Best Physique	Nov 16	SVRNSS College, Vazhoor	130
14	Ball Badminton (M&W)	Nov 20 ,21	Marthoma College, Tiruvalla	260
15	Softball(M&W)	Dec 2 - 4	Marthoma College, Tiruvalla	400
16	Yoga (M&W)	Dec 7	University Stadium	95
17	Netball (M&W)	Dec 9 - 10	Alphonsa College, Pala	300
18	Taekwondo(M&W)	Dec13, 14	U. C. College, Aluva	90
19	Badminton(M&W)	Dec 17,18	MA College, Kothamangalam	120
20	Chess(M&W)	Dec 19,20	K. G. College, Pampady	95
21	Cross Country(M&W)	Jan 3	MA College, Kothamangalam	300
22	Swimming and WaterPolo	Jan 8,9	MA College, Kothamangalam	300
23	Judo(M&W)	Jan 10	S. S. College Kalady	120
24	Baseball (M&W)	Jan 15,16	K. E. College, Mannanam	190
25	Cycling (M&W)	Jan 22,23	Assumption College, Changanachery	70
26	Power Lifting(M&W)	Jan 30	U. C. College, Aluva	110
27	Volleyball(M&W)	Feb10-12	S. H. College, Thevara	300
28	Basket Ball(M&W)	Feb 14,15	BPC College, Piravom	400



SPORTS CALENDAR, 2013-2014

Sl. No	EVENT	DATE OF I.C TOURNAMENTS	VENUE	No of Students Participated
1	Ball Badminton (M&W)	Sep 20, 21	Marthoma College, Tiruvalla	280
2	Softball(M&W)	Oct 2 - 4	Marthoma College, Tiruvalla	420
3	Yoga (M&W)	Oct 7	University Stadium	100
4	Netball (M&W)	Oct 9 - 10	Alphonsa College, Pala	330
5	Taekwondo(M&W)	Nov 1 ,2	U. C. College, Aluva	105
6	Badminton(M&W)	Nov 8,9	MA College, Kothamangalam	135
7	Chess(M&W)	Nov 19,20	K. G. College, Pampady.	105
8	Cross Country(M&W)	Nov 22	M. A. College, Kothamangalam	310
9	Swimming and Water Polo	Nov 25,26	MA College, Kothamangalam	350
10	Judo(M&W)	Nov 29,30	S. S. College Kalady	130
11	Baseball (M&W)	Dec 1,2	K. E. College, Mannanam	220
12	Cycling (M&W)	Dec 3	Assumption College Changanachery	95
13	Power Lifting(M&W)	Dec 8, 9	U. C. College, Aluva	130
14	Volleyball(M&W)	Dec 10	S.H.College, Thevara	350
15	Basket Ball(M&W)	Dec 15,16	BPC College, Piravom	450
16	Weightlifting/ Best Physique	Dec 17,18	SVRNSS College, Vazhoor	150
17	Kho-Kho (M&W)	Dec 19,20	MA College, Kothamangalam	260
18	Half Marathon(M&W)	Dec 21	MA College, Kothamangalam	105
19	Athletics(M&W)	Dec 22,23	S. S. College, Kalady	950
20	Cricket (M&W)	Jan 3	Baselius College, Kottayam	810
21	Table Tennis(M&W)	Jan 8, 9	Chinmaya Vidyapeet Ernakulam	130
22	Football (M&W)	Jan10	Newman College, Thodupuzha	930
23	Fencing(M&W)	Jan 15,16	University Stadium	130
24	Wrestling (M&W)	Jan 17	Maharaja's College, Ernakulam	85
25	Handball(W& M)	Jan 19,20	Maharaja's College, Ernakulam	220
26	Hockey (M&W)	Jan 21,22	CMS College, Kottayam	450
27	Tennis (M&W)	Feb 8	MA College, Kothamangalam	105
28	Kabaddi(M&W)	Feb 15,16	K. G. Pampady	200



SPORTS CALENDAR, 2014-2015

Sl. No	EVENT	DATE OF I.C. TOURNAMENTS	VENUE	No of Students Participated
1	Judo(M&W)	Nov 29,30	S. S. College, Kalady	150
2	Baseball (M&W)	Dec 1,2	K.E. College, Mannanam	220
3	Cycling (M&W)	Dec 3	Assumption College Changanachery	100
4	Power Lifting(M&W)	Dec 8,9	U. C. College, Aluva	125
5	Volleyball(M&W)	Dec 10	S. H. College, Thevara	380
6	Basket Ball(M&W)	Dec 15,16	BPC College, Piravom	450
7	Ball Badminton (M&W)	Sep 20 ,21	Marthoma College, Tiruvalla	290
8	Softball(M&W)	Oct 2 - 4	Marthoma College, Tiruvalla	450
9	Yoga (M&W)	Oct 7	University Stadium	120
10	Netball (M&W)	Oct 9 - 10	Alphonsa College, Pala	350
11	Taekwondo(M&W)	Nov 1 ,2	U. C. College, Aluva	120
12	Badminton(M&W)	Nov 8,9	MA College, Kothamangalam	150
13	Chess(M&W)	Nov 19,20	K. G. College, Pampady	110
14	Cross Country(M&W)	Nov 22	MA College, Kothamangalam	330
15	Swimming and Water Polo	Nov 25,26	MA College, Kothamangalam	375
16	Weightlifting/ Best Physique	Dec 17,18	SVRNSS College, Vazhoor	160
17	Kho-Kho (M&W)	Dec 19,20	MA College, Kothamangalam	270
18	Half Marathon(M&W)	Dec 21	MA College, Kothamangalam	130
19	Athletics(M&W)	Dec 22,23	S. S. College, Kalady	960
20	Cricket (M&W)	Jan 3	Baselius College, Kottayam	800
21	Table Tennis(M&W)	Jan 8,9	Chinmaya Vidyapeet Ernakulam	140
22	Football (M&W)	Jan10	Newman College, Thodupuzha	1000
23	Fencing(M&W)	Jan 15,16	University Stadium	140
24	Wrestling (M&W)	Jan 17	Maharajas College, Ernakulam	90
25	Handball(W& M)	Jan 19, 20	Maharajas College, Ernakulam	250
26	Hockey (M&W)	Jan 21,22	CMS College, Kottayam	550
27	Tennis (M&W)	Feb 8	MA College, Kothamangalam	130
28	Kabaddi(M&W)	Feb 15,16	K. G. College, Pampady	200



SPORTS CALENDAR, 2015-2016

Sl. No	EVENT	DATE OF I.C TOURNAMENTS	VENUE	No of Students Participated
1	Handball(W& M)	Sep19,20	Maharajas College, Ernakulam	275
2	Hockey (M&W)	Sep 21,22	CMS College, Kottayam	480
3	Tennis (M&W)	Oct 8	MA College, Kothamangalam	140
4	Kabaddi(M&W)	Oct 10,11	K. G. Pampady	210
5	Swimming and WaterPolo	Nov 2,3	MA College, Kothamangalam	350
6	Weightlifting/ Best Physique	Nov 8, 9	SVRNSS College, Vazhoor	160
7	Kho-Kho (M&W)	Nov 11,12	MA College, Kothamangalam	280
8	Half Marathon(M&W)	Nov 14	MA College, Kothamangalam	135
9	Athletics(M&W)	Nov 15,16	S. S. College Kalady	1000
10	Cricket (M&W)	Nov 19 to 22	Baselius College, Kottayam	850
11	Table Tennis(M&W)	Nov 23	Chinmaya Vidyapeet Ernakulam	150
12	Football (M&W)	Nov 28 to 30	Newman College, Thodupuzha	1100
13	Fencing(M&W)	Dec 1	University Stadium	145
14	Wrestling (M&W)	Dec 3	Maharajas College, Ernakulam	105
15	Netball (M&W)	Dec 9 - 10	Alphonsa College, Pala	350
16	Taekwondo(M&W)	Dec 13,14	U.C.College , Aluva	110
17	Badminton(M&W)	Dec. 15,16	MA College, Kothamangalam	160
18	Chess(M&W)	Dec 17	K. G. College Pampady	120
19	Cross Country(M&W)	Dec 18	MA College, Kothamangalam	400
20	Judo(M&W)	Dec 20	S. S. College Kalady	250
21	Baseball (M&W)	Jan 3,4	K.E.College, Mannanam	400
22	Cycling (M&W)	Jan 5	Assumption College Changanachery	130
23	Power Lifting(M&W)	Jan 6,7	U. C. College, Aluva	150
24	Volleyball(M&W)	Jan 8,9	S. H. College, Thevara	400
25	Basket Ball(M&W)	Jan15,16	BPC College, Piravom	500
26	Ball Badminton (M&W)	Jan 20 ,21	Marthoma College, Tiruvalla	300
27	Softball(M&W)	Feb 2 - 4	Marthoma College, Tiruvalla	420
28	Yoga (M&W)	Feb 7	University Stadium	125



CULTURAL ACTIVITIES

The following are the cultural activities available to the students of the various schools.

- BIOFEST- Annual festival by students of School of Bio Sciences.
- Budha Sangamam- Weekly interactive programme on Arts and Culture- School of Letters.
- CUTE- Weekly student meeting at School of Tourism Studies.
- CLENS- Club of Environment Students (Thursday Club) meets every Thursdays to discuss various environmental issues.
- SWADU. Annual cooking festival for students.
- CHEMFEST- Annual cultural festival by students of School of Chemical Sciences.
- MURDANIA- Annual cultural festival by students of School of Environmental Sciences.
- Regale Annual cultural festival by students of School of Computer Sciences.
- BeSTA DAY- Annual cultural festival by students of School of Behavioural Sciences.
- Parasparyam-Culture fest of the Department of Life Long Learning and Extension for the Elderl-y.
- Nano Day Annual cultural festival by students of International interuniversity centre for Nanoscience and nanotechnology.
- IR Day- Students of the School of International Relations and Politics have an annual cultural fest which also included the alumni of the school.

DEPARTMENT OF STUDENT SERVICES

PROGRAMME CALENDER 2013 – 2016

Sl No.	Event	Venue	Date	No. of Participants
1	Best College Magazine Competition 2013	Department of Student Services	February 2013	15
2	Cash Award to winners of Youth Festivals	Kottayam	March 2013	
3	South Asian University FEST 2013	Punjabi University, Patiala	February 2013	1
4	Inter-Collegiate Quiz Competition	MG University Assembly Hall	08 February 2013.	50



Sl No.	Event	Venue	Date	No. of Participants
1	29 th National Inter University Youth Festival	Kurukshethra University, Kurukshethra	18-22 February, 2014	18
2	30 th South Zone Inter University Youth Festival	Tumkur University, Tumkur , Karnataka	8-12 December, 2014.	40
3	Best College Magazine Competition 2013-14	Department of Student Services	January 2015	20
4	Cash Award to winners of Youth Festivals	St. Teresa's College, Ernakulam	March 2015	10

Sl No.	Event	Venue	Date	No. of Participants
1	South Zone Inter University Youth Festival	Bangalore University, Karnataka	December 2015	40
2	National Inter University Youth Festival at Indore	Devi Ahilya Viswa Vidyalaya at Indore, Madhya Pradesh	September 2015	30
3	Nature Sensitization Camp	Pampadum Sholai National Park, Munnar	28 th - 29 th July 2016	45
4	Inter-Collegiate Media Residential Camp	Devamatha College, Kuravilangad	30.01.2015 to 01.02.2015	38
5	Best College Magazine Competition 2014-15	Department of Student Services	January 2015	20
6	Cash Awards to winners of MG University Youth Festival (KELI- 2014)/SZIUYF/NIUYF	MG University Assembly Hall	08 February 2013.	50
7	National Inter University Music Fest – 2015	Kottayam	23-27 September 2015	40
8	Students cultural scholarship	School of Environmental Science	November 2015	16
9	Financial assistance for Medical Aid to students	School of Environmental science	November 2015	16
10	Scholarship to physically challenged students	School of Environmental science	November 2015	16
11	Cash Award to Republic Day Parade contingent of NSS/NCC	School of Environmental science	November 2015	16



2016

Sl No.	Event	Venue	Date	No. of Participants
1	Campus Familiarization Programme	Mahatma Gandhi University Campus	07/01/2016	400
2	South Zone Inter University Youth Festival	Mangalore University at Mangalagangothri	17 th January 2016	40
3	National Inter University Youth Festival	Mysore University, Karnataka	15 th to 19 th of February 2016.	26
4	Mukkutti Folk Song Competition	Mahatma Gandhi University Campus	September 2016	28 Teams
5	Editors Camp	U C College, Aluva	October 2016	30

EXTRA CURRICULAR ACTIVITIES

The university gives ample opportunities to take part in extracurricular activities. The main motto of extracurricular activities is personality development. These are the activities which encourage students to take up their study in a healthy manner. All-round development is achieved through active participation in co-curricular activities. Extracurricular activities offered include National Service Scheme, NSS Film club, Nature club, Red-Ribbon Clubs, Bhoomithra Clubs etc and the associations at the various schools.

Extra-Curricular Activities through National Service Scheme and Department of Life Long Learning and Extension

The various extracurricular activities undertaken by NSS are as follows: Greening Kerala campaign, anti-drug programmes, energy conservation programmes, anti-ragging campaigns, first-aid training programmes, Swachh Bharat awareness campaigns, Unnat Bharat Abhiyan at central ward of Athirampuzha Panchayat, Nalpathimala village, Edamalakudy tribal village and Mukkumpuzha tribal settlement. Govt. U. P. School, Kattathy computer literacy, blood donation, nature camps, life skill development programmes, river protection programmes, energy conservation activities, awareness against drugs and tobacco, legal literacy programmes, leadership training, personality development programmes, women empowerment programmes, programmes for the elderly, saplings planting drives, life style education, Clean Kerala campaign, involvement in durable assets creation, visit to orphanages, destitute homes, AIDS awareness, income generation projects, home for the homeless, health and family welfare programmes, organic farming, national integration and communal harmony programmes, eco friendly bag making, book binding, traffic awareness programmes, Grama



Darshan programme, Cancer awareness programmes, E-Jalakam, Digital India camps, Swachchhata Pakhwara programme, Sabarimala Cleaning campaigns, adolescent health awareness programmes, pain and palliative care programmes, eye-donation awareness campaigns etc.

NATIONAL SERVICE SCHEME PROGRAMME CALENDAR -2011

Sl.No	Venue	Programme	Date	No. of Participants
1	B K College Amalagiri	Training Programmes for making Eco- friendly Paper bags	6/8/2011	55
.2	University campus	University level Advisory Committee meeting	26/8/2011	25
3	St. Xavier's College, Aluva	NSS Award ceremony 2010-11	27.08.2011	150
4	Govt. College, Thripunithura.	NSS Day celebrations	24/9/2011.	125
5	University Campus	Gandhi Jayanti Day celebration, Peace March and Cleaning programme	2/10/2011	210
6	University Campus	Seminar on National Integration and Communal Harmony	2/10/2011	180
7	CMS College, Kottayam	University Pre-RD Selection Camp	3/10/2011	150
8	CMS College, Kottayam	Volunteer Leadership Training Camp	4/11/2011 6/11/2011	100
9	University campus	World Environment Day Celebration by Planting trees in Campus	5/6/2012	100

Sl.No	Venue	Programme	Date	No. of Participants
1.	University Campus	International Day against Drug Abuse & Illicit Trafficking -One day intercollegiate seminar on "Think Health-Not Drugs	26/6/2012	80
2.	MES College, Erumely	Volunteer Secretaries' Training Camp	31/8/2012 5/9/2012	100
3.	D B College, Keezhoor	Three day inter collegiate workshop – Media, Reporting News writing & Photography.	28.9.2012 30.9.2012	100
4	St. Xaviers College for (W), Aluva	Three day Inter Collegiate Seminar on Life style & Total Health	30.11.2012 2.12.2012	100



Sl.No	Venue	Programme	Date	No. of Participants
1.	SB College Changanacherry	One day seminar- The role of judiciary in social justice	23.2.2013	80
2.	Nirmala College Muvattupuzha	Three day Intercollegiate Camp-Leadership&Personality Development	1.3.2013 3.3.2013	65
3.	University Campus	Awareness Programme on blood donation.	14.6.2013	180
4.	University Campus	Award Evaluation Committee meeting	14-06-2013	3
5.	University Campus	University level Advisory Committee meeting	23/7/2013	30
6.	University Campus	Malala Solidarity day	26/7/2013	100
7.	University Campus	Inter colligate One day programme on the prevention of child abuse	13/8/2013	50
8.	K.E College Mannanam	University level Volunteer Secretaries' Training Camp	27/9/2013 29/9/2013	140
9.	B.K. College Amalagiri	Pre-RD selection camp	11.9.2013	160
10.	University Campus	Gandhi Jayanthi Day celebration	2/10/2013	100
11.	Sreperumbundur	Trainers Training Programmes on Social Harmony and Human Rights	12/11/2013 16/11/2013	2
12.	Newman college Thodupuzha	Programme Officers meeting	15/11/2013	20
13.	Assumption College, Changanacherry	Organic Farming Training	3/12/2013	90
14.	Alphonsa College, Pala	Award Ceremony	17/12/2013	250
15.	M E S College Erumely	Three day Intercollegiate Camp- environment& Skill development	20.12.2013 22.12.2013	100



Sl.No	Venue	Programme	Date	No. of Participants
1.	K G College pampady	One day seminar on personality development	11.1.2014	65
2.	St.Joseph's College Moolamattom	Personality Development	5.2.2014	35
3.	Alphonsa College Pala	Women Entrepreneurship Development	15.2.2014	60
4.	Newman College Thodupuzha	Inter collegiate competition	22.2.2014	35
5.	M A College Kothamangalam	Three day Camp- Healthy Youth for Healthy India	28.2.2014 12.3.2014	80
6.	University Campus	NSS Award Evaluation Committee	10/6/2014	3
7.	JPM College, Labbakkada, Idukki	State level Campus Leader's Camp "UNARVU"	4/7/2014 6/7/2014	40
8.	Devamatha College, Kuravilangad	Training Camp for NSS Volunteer Secretaries of colleges	11.07.2014 13.07 2014	145
9.	Catholicate College Pathanamthitta	Leadership workshop	5.8.2014	40
10.	B.K. College Amalagiri	Pre-RD Selection Camp	03.09.2014	150
11.	University Campus	Aksharajyothi Yatra	7/10/2014	100000
12.	Devamata College Kuravilangad	One day workshop on Gandhian Principles	28.10.2014	75
13.	St. Teresa's College, Ernakulam	Seminar on LIFE & PHILOSOPHY OF VIVEKANANDA	25/11/2014	55
14.	Sriperumbudur	Training Programme on Employability Skills through Life Skills	28.11.2014 02.12.2014	65
15.	University Campus	Bamboo Planting Festival	(05.12.2014)	50
16.	MES College Erumely	Pampa, Sabarimala Environment conservation	5.12.2014 7.12.2014	50



Sl.No	Venue	Programme	Date	No. of Participants
1.	University Campus	Run Kerala Run programme in connection with the 35 th National Games	20/01/2015	200
2.	Devamatha College Kuravilangad	Media camp	30.1.2015 1.2.2015	100
3.	New man College Thodupuzha	Quiz Competition Programme	20.2.2015	35
4.	MES College Erumely	Erumely Sangamam	20/2/2015 22/2/2015	200
5.	CMS COLLEGE KOTTAYAM	NSS Fest	27/2/2015 28/2/2015	100
6.	St.Antoney's College Peerumade	Intercollegiate Elocution competition	3.3.2015	100
7.	St.Teresa's College Ernakulam	One day workshop on Eco- friendly bag making	5.6.2015	57
8.	B K College Amalagiri	Yoga competition	20.6.2015	200
9.	BCM College Kottayam	Personality development Traning Programme	7.10.2015	100
10.	St. Xaviers College for (W) Aluva	Leadership training camp	13.10.2015	85
11.	Morning Star Home science College Angamaly	Seminar - Dr.A P J Abdul kalam - the visionary who walked a head of times	15.10.2015	60
12.	K E College Mannanam	Training programme on E- Jalakam	11.12.2015	75
13.	University Campus	Quiz competition	12.12.2015	65



Sl.No	Venue	Programme	Date	No. of Participants
1.	Delhi	Republic Day Parade Camp 2016	1/1/2016 31/1/2016	1
2.	JPM College Labakkada	Career Guidance & Personality development	8.1.2016 10.1.2016	45
3.	Marian college Kuttikanam	Seminar on Healthy Life Style and Prevention of Drug Abuse	15.1.2016	60
4.	St.Xavier's college for (W) Aluva	Life skill Education & Youth Development	15.1.2016	75
5.	University Campus	E-Waste Awareness And Collection Campaign Through Colleges"	8/2/2016	85
6.	University Campus	Vivekanda Chair Programmes	11/2/2016	100
7.	University Campus	Digital India, Work Shop	25/2/2016	150
8.	St.Xavier's College for(W) Aluva	"Gender sensitivity training & women empowerment"	4/3/2016 6/3/2016	100
9.	Chaithanya Pastoral Centre, Thellakom	Yoga Training Programme	27/4/2016 29/4/2016	80
10.	University Campus	Work shop "Jalatharangam"	12/5/2016	60
11.	University campus	Award Evaluation Meeting	27/5/2016	3
12.	University Campus	Oru Laksham Maram project	6/6/2016	50
13.	B K College Amalagiri	Volunteer Secretaries Training Camp 2016-17.	10/6/2016 12/6/2016	148
14.	Baselius College Kottayam	International Yoga Day	21/6/2016	200
15.	University Campus	NSS Advisory Board meeting,2016	30/6/2016	30
16.	BCM College, Kottayam	NSS PROGRAMME OFFICERS CONFERENCE	15/7/2016	100
17.	St. Xaviers College For Women, Aluva	SLATE PROJECT	18-07-2016	80
18.	St. Xaviers College for women, Aluva	PROGRAMME OFFICERS CONFERENCE	19/7/2016	56
19.	Al Azhar College Of Arts And Science, Perumpillichira	PROGRAMME OFFICERS CONFERENCE	20/7/2016	25
20.	MACFAST Thiruvalla	PROGRAMME OFFICERS CONFERENCE	22/7/2016	19



5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last six years.

The University promotes the students to participate in the University/ State/Zonal/National/International level programs linked to co-curricular, extracurricular and cultural activities.

Sports Competitions

ARJU	ARJUNA AWARDEES OF MGU		
1	Smt. Preeja Sreedharan - Athletics	2011	
2	Smt. Geethu Anna Jose - Basketball	2014	

OLY	OLYMPIANS FROM MGU		
1	Smt. Anilda Thomas - Athletics	2016	
2	Smt. O. P. Jaisha - Athletics	2016	
3	Sri. Gopi T. – Athletics	2016	
4	Sri. Jinson Johnson - Athletics	2016	

ASIA	ASIAN GAMES ATHLETES PRODUCED BY MGU		
1	SRI. Jinson Jhonson -	Athletics	2014
2	Smt. Rekha S	- Volleyball	2014
3	Smt. Fathima Ruksana	- Volleyball	2014

INTE	INTERNATIONAL SPORTS PERSONS FROM MGU				
1	Smt. Anu R	Athletics	2015		
2	Smt. Saneesha E P	Athletics	2015		
3	Smt. Poojamol K S	Basketball	2014		
4	Smt. Vinaya Joseph	Basketball	2014		
5	Smt. Rekha S	Volleyball	2013		
6	Smt. Renjini C.A	Handball	2013		
7	Smt. Aswathy E	Volleyball	2012		
8	Smt. Thanu Mathew	Handball	2012		
9	Smt. Maria Ronny	Table Tennis	2011		
10	Sri. Arjun M R	Badminton	2011		
11	Sri. Shyam Prasad	Badminton	2011		

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12	Sri. Arun George	Badminton	2011
13	Smt. Reshmi Bose	Athletics	2010
14	Smt. Megha Merin Mathew	Badminton	2010
15	Smt. Fathima Ruksana	Volleyball	2010
16	Smt. Smisha K.S.	Volleyball	2010

PARTICIPATION AT WORLD UNIVERSITY CHAMPIONSHIP			
1	Sri. Rijas Mohammed	Volleyball	2015
2	Sri. Dilshad K	Badminton	2014
3	Sri. Suraj P H	Badminton	2014
4	Smt. Megah Merin Mathew	Badminton	2013
5	Smt. Arathy Sara Sunil	Badminton	2013
6	Smt. Sheena P.V	Athletics	2013
7	Sri. Jeris Jose	Athletics	2013

RAN	RANJI TROPHY PLAYERS PRODUCED BY MGU		
1	Sri. Jafar Jamal	2015	
2	Sri. Salman Mohammed	2015	
3	Sri. Muhammed Azharudeen	2013	
4	Sri. Sachin Baby	2012	

PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2010-11				
1	Volleyball (W) AIIU First			
2	Cross Country (W)	AIIU	Third	
3	3 Badminton (W) AIIU Third			
4	Athletics (M)	AIIU	Third	

	PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2011-12				
1	Cross Country (W)	AIIU	First		
2	Badminton	AIIU	First		
3	Athletics (M&W)	AIIU	Second		
4	Handball (W)	South Zone	First		
5	Volleyball (W)	South Zone	Second		
6	Basketball (W)	South Zone	Third		
7	Badminton (M)	South Zone	Second		
8	Table Tennis (M)	South Zone	Third		

PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2012-13			
Badminton (W)	AIIU	First	
Athletics (W)	AIIU	First	
Athletics (M)	AIIU	Second	
Volleyball (W)	AIIU	Third	
Handball (W) South Zone Second			
Hockey (W)	South Zone	Third	

	PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2013-14			
1	Athletics (W)	AIIU	First	
2	Badminton(W)	AIIU	First	
3	Badminton (M)	AIIU	First	
4	Volleyball (W)	AIIU	Second	
5	Football (M)	AIIU	Second	
6	Basketball (W)	AIIU	Third	
7	Handball (W)	South Zone	First	



PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2014-15			
1	Cross Country (W)	AIIU	First
2	Badminton	AIIU	First
3	Athletics (W)	AIIU	First
4	Volleyball (W)	AIIU	First
5	Badminton (M)	AIIU	Second
6	Basketball (W)	AIIU	Third

PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2015-16				
1	Athletics (W)	AIIU	First	
2	Athletics (M)	AIIU	Second	
3	Volleyball (W)	AIIU	Third	
4	Badminton (M)	AIIU	Third	
5	Table Tennis (W)	South Zone	First	
6	Handball (W)	South Zone	Third	

Youth Festivals

The Students Union conducts competitions in the following events annually.

- AKSHARASLOKAM
- BHARATHANATYAM MALE
- CARTOONING
- CLASSICAL MUSIC VOCAL FEMALE
- CLASSICAL MUSIC-MALE
- CLAY MODELING
- COLLAGE
- DUFFMUTTU
- ELOCUTION -MALAYALAM
- ELOCUTION- ENGLISH
- ESSAY WRITING HINDI
- ESSAY WRITING-ENGLISH



- ESSAY WRITING- MALAYALAM
- FILM REVIEW
- FOLK DANCE -SINGLE
- FOLK DANCE
- GROUP SONG -INDIAN
- GROUP SONG- WESTERN
- HINDI ELOCUTION
- KATHAKALI
- KATHAPRASANGAM
- KAVITHAPARAYANAM -MALAYALAM
- KAVYAKELI
- KERALANADANAM
- KOLKALI
- LIGHT MUSIC -FEMALE
- LIGHT MUSIC -MALE
- MARGAMKALI
- MIME
- MIMICRY
- MOHINIYATTAM
- MONOACT
- ONEACT PLAY
- OPPANA
- OTHER FORMS OF CLASSICAL DANCE
- OTTANTHULLAL
- PAINTING
- PERCUSSION INSTRUMENT- EASTERN
- PERCUSSION INSTRUMENT -WESTERN
- PHOTOGRAPHY
- POETRY RECITATION- ENGLISH
- POETRY RECITATION -HINDI
- POETRY WRITING ENGLISH



- POETRY WRITING HINDI
- POETRY WRITING -MALAYALAM
- POSTER DESIGNING
- QUIZ
- SHORT STORY WRITING-ENGLISH
- SHORT STORY WRITING-HINDI
- SKIT
- STORY WRITING -MALAYALAM
- STRINGED INSTRUMENT -WESTERN
- STRINGED INSTRUMENT- EASTERN
- THIRUVATHIRA KALI
- WESTERN VOCAL SOLO
- WIND INSTRUMENT -WESTERN
- WIND INSTUREMENT- EASTERN

International Moot Court Competition: Ananthakrishanan A. Kartha, BBA, LLB Final year student of School of Indian Legal Thought won the Second Best Advocacy Award and Second Best Mooter Award conducted by European College of Law and Commonwealth Legal Education Association in London, UK during September 25-29, 2015.

National Moot Court: Ananthakrishanan A. Kartha, BBA, LLB Final year student of School of Indian Legal Thought won the Best Mooter Award in 2015.

List of NSS Awardees-University, State and National Level INDIRA GANDHI AWARD & STATE AWARD (2011-2015) UNIVERSITY LEVEL AWARD 2011-12

1. Neethu P Thomas	SVR NSS Vazhoor
2. Reni Susan Philip	SVRNSS Vazhoor
3. Renukumar	Assumption College, Changanacherry
4. Lakshmi E R	D. B. Pampa College, Parumala
5. Angala Mathew	Alphonsa College, Pala
6. Akhil Jose	Nirmala College, Muvattupuzha
7. Ericka Wilson	Nirmala College, Muvattupuzha



UNIVERSITY LEVEL AWARD 2012-13

1.	Merin Maria Augustin	Baselius College Kottayam
2.	Vishnu K A	St.Thomas College, Kozhencherry
3.	Anu Yohannan	St.Xaviers College for Women, Aluva
4.	Sandra Lis Sebastian	Alphonsa College, Pala
5.	Jubin James	Newman College, Thodupuzha
6.	Raza Habeeb	MES College, Erumely
7.	Anasooya Joseph	Nirmala College, Muvattupuzha
8.	Keerthana K Ajai	Nirmala College, Muvattupuzha

UNIVERSITY LEVEL AWARD 2013-14

1.	Cinu Priya Joy	Alphonsa College, Pala
2.	Arya S Nath	Catholicate College, Pathanamthitta
3.	Raveena K Ramesh	K E College, Mannanam
4.	Jomol M Thayyil	Nirmala College, Muvattupuzha
5.	Althaf T.K	MES College, Erumely
6.	Jijo George	K G College, Pampady
7.	Emil T Abraham	Baselius College, Kottayam
8.	Vimal N.V	Nirmala Arts & Science College, Mulanthuruthy

UNIVERSITY LEVEL AWARD 2014-15

1. Aiswaryalekshmi R	Alphonsa College Pala
2. Rose Mary	St.Teresa's College Ernakulam
3. Priya Anna James	Marian College Kuttikkanam
4. Manoj George	Baselius College Kottayam
5. Jiffna Henry	St.Xaviers College For Women Aluva
6. Tony Mathew	Marian College Kuttikkanam
7. Libin K Kuriakose	K.G.College Pampady
8. Alex David	CMS College Kottayam



UNIVERSITY LEVEL AWARD 2015-16

1	Shahana K V	Maharajas College Ernakulam
2	Swarna Thomas	St.Xaviers College For Women Aluva
3	Jeena Elsa John&	Marian College, Kuttikkanam
4	Jesty Poly	Morning Star College, Angamaly
5	Jayasree.S	Baselius College, Kottayam
6	Emilda George	St.George College, Aruvithura
7	Shinu Shaji	S N College, Pampanar
8	Akhil Alex	Catholicate College, Pathanamthitta
9	Ananthu Ajith	Nirmala College, Muvattupuzha
10	Abin P Kurian	K. G. College Pampady

STATE AWARD 2011-12

1. Ericka Wilson Nirmala College, Muyattupuzha			
	1.	Ericka Wilson	Nirmala College, Muvattupuzha

STATE AWARD 2012-13

1	Merin Maria Augustin	Baselius College Kottayam
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STATE AWARD 2013-14

- a) University has bagged the NSS State Award for the Best University, 2013-14
 - b) Cinupriya Joy (Alphonsa College, Pala) and Arya S Nath (Catholicate College Pathanamthitta) NSS volunteers of M.G. University have been selected for NSS State Government Award 2013-2014 for Best volunteers.

STATE AWARD 2014-15

1.	Aiswaryalekshmi R	Alphonsa College, Pala
2.	Rose Mary	St.Teresa's College, Ernakulam
3.	Priya Anna James	Marian College, Kuttikkanam
4.	Manoj George	Baselius College, Kottayam



STATE AWARD 2015-16

a) University bagged the NSS State Award for the Best University, 2015-16

Sl.No	Name of the Student	College
1.	Shahana K.V.	Maharajas College, Ernakulam
2.	Akhil Alex	Catholicate College Pathanamthitta
3.	Swarna Thomas	St.Xaviers College for Women Aluva

INDIRA GANDHI NATIONAL APPRECIATION AWARD 2012-13

Dr. K. Sabukuttan, Programme Co-ordinator, National Service Scheme Mahatma Gandhi University received Indira Gandhi National Service Scheme Appreciation Award 2012-13 from the Hon'ble President of India Sri. Pranab Kumar Mukherjee.

INDIRA GANDHI NATIONAL AWARD (IGNSS AWARD 2013-14)

Mahatma Gandhi University was selected as the Best University and conferred with the Indira Gandhi National Service Scheme (IGNSS Award) for the year 2013-14. Dr. K. Sabukuttan, Programme Co-ordinator, was awarded the Best NSS Co-ordinator award.

INDIRA GANDHI AWARD 2014-15

Mahatma Gandhi University National Service Scheme volunteer Manoj George of Baselius College, Kottayam & Aiswarya Lakshmi. R of Alphonsa College, Pala received Indira Gandhi National Service Scheme Best Volunteer Award 2014-15 from the Hon'ble President of India Sri. Pranab Kumar Mukherjee.

5.3.3 Does the university conduct special drives/campaigns for students to promote heritage consciousness?

Yes. The university has awarded honorary doctorates to the internationally acclaimed painter A. Ramachandran and the late musician V. Dakshinamurthy during the reporting period specifically to uphold the rich cultural heritage and to provide an opportunity for the students and the research scholars to get an overall awareness on the art forms.

The Folklore Club of the university conducts regular programmes for enhancing the consciousness among the students on the legacy and heritage of the Kerala State and India.

• The university encourages students to visit archeological sites to get the feel of yesteryear culture and tradition and to enhance the collections in the



Archeological Museum set up in the School of Social Sciences through new excavations. The university has been instrumental in taking the lead position in establishing two interuniversity centers under the aegis of Government of Kerala for preservation and promotion of traditional organic farming and music, besides the academic and research activities. Students were actively involved in the conduct of the week-long International Music Festival (NAADAM) and 10-day long INBOFA book exhibition cum cultural show. An interuniversity music festival was also organized as part of the NAADAM festival.

- In order to encourage the students to pursue cultural activities, students' cultural scholarship has also been instituted during the period for which an annual allocation of an amount of one lakh rupees is provided.
- Traditional artisans are invited to the campus for displaying their craft before the students. Regular performances of artists are conducted to showcase the rich heritage of the Nation. The Department of Students Services in association with School of Letters conducted *Mukkutty*, an all Kerala Inter University competition exclusively for traditional songs of Kerala. Lecture demonstrations of the tribals as well as rich art forms like Kathakali, Koodiyattom, musical instruments.
- As part of the conferences (national/international) conducted by the International and Interuniversity Centre for Nanoscience and Nanotechnology, Kathakali performances – the traditional art form of Kerala were organized. The performances provided an experience of the rich cultural heritage of Kerala to the international and national delegates.
- 5.3.4 How does the university involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/materials brought out by the students during the last four academic sessions.

Department of Student Services (DSS) organizes an annual competition for the best student magazine from among the department/ colleges and gives away a cash award of Rs 10,000 as first prize, 7,500 as second prize and Rs 5,000 as third prized and two consolation prizes carrying Rs 2,500 each.

The departments encourage the students to bring out their own magazines in order to encourage the writing skills and creativity among them. Some of the magazines produced by the departmental students of the University are the following.

IT GLIMPSE- Annual publication of the students of School of Computer Sciences

Eco Voice - News Letter from School of Tourism Studies

Hue - Monthly Magazine from School of Tourism Studies



Un e'talage de terre 2012 - School of Tourism Studies

Incredible India 2014- School of Tourism Studies

Accessibility 2016 – School of Tourism Studies

Students of various departments publish wall papers regularly in the space provided by the university officially.

5.3.5 Does the university have a Student Council or any other similar body? Give details on its constitution, activities and funding.

Yes. University has a Department Students Union for the campus students as well as University Students Union for the whole university. Administrative structure of both the unions has elected student representatives from all the departments and colleges respectively. The activities of the unions are controlled by the Executive Committee consisting of Chairman, Vice Chairman, General Secretary, Joint Secretary and members who are elected democratically. The Department Students Union has a Magazine Editor and an Arts Club Secretary too.

The unions conduct inter department/inter collegiate cultural competitions sports and games. Drama Festival, Film Festival, Nature Camp, Magazine Editors Camp, Literary Camps, Book Fairs, awareness campaigns against drug/alcohol/ragging, blood donation programmes, women empowerment programme, workshops for poetry, music and fine arts are some of the programmes organized by the Unions. Student parliaments organized in order to impart leadership skills to the students, are also a regular feature of the activities. Every student contributes Rs 50 annually to meet the expenditure for the activities of the respective unions. Every activity of the unions including finance is controlled by the unions under the guidance of the Director of Student Services.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.

Student participation has been ensured in the Syndicate which is the chief executive body of the university besides the Academic Council, the highest authority in academic matters. The Senate of the University too has student representation. The student representatives are given ample opportunities to raise administrative and academic issues relating to research scholars and students, including courses, teaching learning methods, evaluation process, infrastructure, library books, and facilities and the functioning of various academic bodies. The students are also free to recommend titles and authors for purchase of books in the university library and school/department libraries. Opinions of the students are sought in the functioning of canteens and hostels as well.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT



CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the Vision and the Mission of the University

VISION:

"विद्ययाअमृतमश्नृते Vidyayāmritamaşņute"

"Mahatma Gandhi University envisions to excel in the field of higher education and cater to the scholastic and developmental needs of the individual, through the continuous creation of a critical knowledge base for the society's sustained and inclusive growth."

As enshrined in the motto "विद्ययाअमृतमश्नुते Vidyayāmritamaşņute" the University strives to make individuals immortal through knowledge.

MISSION:

The University envisages:

- To create an environment that would foster higher education in its jurisdiction
- To create educated individuals qualified in specialized areas of knowledge
- To plan and implement academic programmes of the highest quality that would foster the holistic development of individuals who will be empowered to act as the conscience of society
- To conduct and support undergraduate, postgraduate and researchlevel programmes of quality in Sciences, Humanities, Social Sciences, and the professional disciplines
- To foster research and extension activities directed at the reorganization of existing knowledge and the creation of new knowledge for the development of society
- To help in the creation and development of manpower that would provide intellectual leadership to the community
- To provide skilled manpower to the professional, industrial and service sectors in the country so as to meet global demands
- To help promote the cultural heritage of the nation and preserve the biodiversity of the region



- To promote national development by imparting education and culture to the people of the areas coming under the jurisdiction of the University
- To develop itself into an institution with the highest standards of excellence without losing sight of the importance of social equity.

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future etc.?

Yes. The university aspires to emerge as an institution with the highest standards of excellence focusing on social equity. It addresses the needs of the society by producing citizens with social commitment, conducting programmes that provide skilled manpower to the professional, industrial and service sectors in the country so as to meet global demands. Besides it organizes several extension activities that enable it to interact with the society, especially the preservation of the biodiversity of the region. Further, it seeks to serve its students through conduct of qualitatively superior academic programmes.

The institution preserves its tradition and value orientations, by imparting knowledge in accordance with its vision-"Vidyayāmritamaṣṇute", i.e. immortality through knowledge.

6.1.3 How is the leadership involved

a. In ensuring the organization's management system development, implementation and continuous improvement?

There is a collective leadership in the university which constantly interacts with the stakeholders. The Vice - Chancellor interacts with various administrative departments through the Registrar. The Syndicate is the governing body, the Senate is the advisory body. The syndicate under the chairmanship of Vice-Chancellor meets regularly with a prior agenda. Minutes are prepared, follow up measures are carried out and a continuous process of brainstorming and discussions on the issues are taken up. Periodic meetings of HOD's of schools/centers and principals of affiliated colleges convened by the Vice Chancellor and attended by the university higher ups ensure meaningful interaction between the university leadership and its take holders.

The Academic Council is responsible for the maintenance of standards of curricula, research, education and examination. The Deans, Convener of the Credit and Semester System (CSS), Chairpersons-Boards of Studies (BoS), Director -IQAC, and other designated officials are responsible for introducing new programmes, restructuring the existing ones and introducing innovative methods of teaching in the emerging areas of interest. The College Development Council (CDC) caters to the developmental needs of the



affiliated institutions. The Director for Research ensures the quality of the research programmes by conducting an entrance test, course work and periodical doctoral committee meetings. The Faculty Council meetings at various schools, departments and centers ensure participative decision-making. National/ international experts in the field concerned serve the editorial boards of our journals.

b. In interacting with its stakeholders?

Government: The university is primarily funded by the Government of Kerala. Honourable Minister of Education serves as the Pro- Chancellor and representatives of the government serve as members in the Syndicate, which includes Higher Education Secretary and a Higher Education Council Member. Their participation facilitates better co-ordination with the government without compromising the institution's autonomy.

Students: The students and research scholars have direct access to the Vice–Chancellor, the Registrar, Deans and HODs. Periodic meetings are conducted for understanding their needs and problems. Constant interactions with alumni, industrialists and educationalists take place for policy formulation and implementation. The university has taken strong initiatives through IQAC to revise the syllabus by interacting with stakeholders. When new students are enrolled, they are given orientation about CSS, using resources, pedagogy and assessment methods optimally.

Society at Large: The university offers programmes in disciplines that include Sciences, Social Sciences, Humanities and professional programmes with intention of a paradigm shift in student attitudes. The schools carry out extension activities to reach out to society, farmers and industrialists. Our science departments, particularly the School of Chemical Sciences and School of Biosciences cater to the requirements of the industry. The University has also established the Centre for Organic Farming to popularize the needs of healthy agriculture/ farming habits and practices. The School of Behavioral Sciences/ Social Sciences address the issues related to the differently-abled people. The School of Environmental Sciences spreads the message of environmental protection and awareness. It also extends support to the villagers providing safe drinking water through rain water harvesting.

c. In reinforcing a culture of excellence?

Our departments conduct seminars, conferences, workshops etc. to facilitate knowledge flow among the academic community as well as the society. Teachers and students are encouraged to present papers in seminars and publish their research works in reputed international journals. The university publishes itse-journal – *the Mahatma Gandhi University Research E-Journal* to reach out to academic community. Teachers are encouraged to take up socially relevant projects and research in frontier areas.



d. In identifying organizational needs and striving to fulfill them?

Interactions with all stakeholders on a regular basis help identify organizational needs and to strive for their fulfillment.

6.1.4 Were any of the top leadership positions of the university vacant for more than a year? If so, state the reason

No.

6.1.5 Does the university ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes. The government and university take timely measures to fill up all positions in its statutory bodies as per the provisions in the act and statutes. The Syndicate of the university comprises of representatives from all stake holders including that of faculty, educationalists, students, employees and member of legislative assembly. The resolutions of all statutory bodies like Syndicate, Senate and Academic Council are made through democratic participatory decision making process.

Syndicate/Senate/Academic Council Meetings from 2011-2015

Meetings	Sessions		
Syndicate	55		
Senate	15		
Academic Council	9		

6.1.6 Does the University promote a culture of participative management? If yes, indicate the levels participative management?

Yes. The university promotes a culture of participative management. There exists decentralization and proper division of power and empowerment of appropriate statutory bodies in decision-making at different levels. The university is proud to have representatives from all the categories in its board of governance, namely the faculty, employees and students. The agenda to be discussed is distributed well in advance to provide full opportunity for an informed participation.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges and the support and encouragement given to them to become autonomous

Leadership is provided through various bodies like Academic Council, Board of Studies and Pass Boards. The senior faculty members of the university are nominated as representatives in statutory and non-statutory committees in the affiliated colleges. Some of our faculty members are nominated as members of governing boards of autonomous colleges. The university has 10 autonomous



colleges viz. Sacred Heart College Thevara, St. Teresas College, Ernakulam, Assumption College Changanacherry, St.Berchmans College, Changanacherry, Mar Athansious College, Kothamangalam, St.Albert's College, Ernakulam, Marian College, Kuttikanam, Maharajas College Ernakulam, Rajagiri School of Social Sciences, Kalamaserryand CMS College, Kottayam.

The DCDC (Directorate of College Development Council) has been formed by the university to provide leadership to its affiliated colleges in academic and administrative matters. Major Project proposals from around 30 teachers and minor projects from around 100 teachers of affiliated colleges were forwarded to UGC, New Delhi through the office of the Director, College Development Council. DCDC took leadership role in conducting Career Oriented Programmes in 45 colleges. During the X and XI Plans, 08 colleges affiliated to this university were entitled Colleges with Potential for Excellence (CPE).CMS College, Kottayam was awarded Rs. 4.08 Crores under the scheme for institutions with Special Heritage Status. Currently 28 out of 71 colleges are conducting add-on courses. Total number of add-on courses offered by the various colleges of the university is around 60. All these activities are co-ordinated by the DCDC.

6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

No. However, the university has framed rules and regulations for granting autonomy status to the affiliated/constituent colleges. The Academic Council of the University at its meeting held on 17.01.2009 has framed rules for conferment of academic autonomy to the affiliated colleges, which satisfy the eligibility criteria fixed.

6.1.9 How does the university groom leadership at various levels? Give details.

University leaders are included in delegations to international forums and are exposed to international academic platforms to emerge as leaders in academia. The university provides financial support to faculty members to participate in international conferences/seminars, symposia etc.

There exists rotation of Directorships every three years and Deanships during every two years which groom leadership among teachers. This facilitates young faculty members to assume leadership and make the institution academically buoyant. Teachers serve as members of the Syndicate, Senate and other bodies of the university. Participation of faculty members in school activities is ensured by distribution of responsibilities.



The university also promotes employees organizations and co-operative societies that inculcates leadership value among the employees. The faculty/staff development programmes organized by the university for its teaching/ non-teaching staff is another platform for personality / skill development and leadership training. The women's organization is also in the forefront in empowering the women community in the campus through its various activities.

Department Students Union (DSU) co-ordinates the cultural/ organizational activities of the students. Elections are periodically held. Besides, the university offers avenues like NSS to groom good leaders from students.

6.1.10 Has the university evolved a knowledge management strategy? If yes, give details.

Yes. The university manages knowledge dissemination making use of the following effective strategies.

- 1. Publications in refereed journals/ seminars/ conferences/ workshops/ symposia.
- 2. Several schools/centers publish in house academic journals.
- 3. The printing and publishing department of the university publishes various types of books.
- 4. BOS in several subjects edits text books for students use.
- 5. University has organized a number of seminars and conferences for dissemination of knowledge.
- 6. The IQAC which has a pivotal status takes care of all major academic and knowledge oriented activities of the university.
- 7. The university website www.mgu.ac.in offers various services to students like downloadable application forms, university orders and other varied academic services offered by the university.
- 8. Students and faculty can access e-resources subscribed through INFLIBNET facility in the university.
- 9. Above all, the university has a digital library with a good repository of research projects, theses, dissertations of the researchers of the university providing ready reference.

6.1.11 How are the following values reflected in the functioning of the University?

a. Contributing to national development:

Research projects are undertaken in different areas in collaboration with leading research institutions within India and abroad. These collaborations



make it possible for the university to send their research students to different research labs of international repute.

Some of the schools are conducting research programmes specially focusing on community development. School of Tourism Studies conducts projects on real time tourism management issues with social relevance using a problem based approach. The School identified and grouped the tourism resources of Kerala and published a book titled 'Tourism Products of Kerala'. ABILITY project of School of Social Sciences is conceived to address the needs of physically challenged students and researchers and to conduct research in disability studies.

The faculty of the School of International Relations and Politics take interest in research and development activities by initiating studies on social policy making such as the Rural Employment Guarantee Act. Constant efforts are made for innovation in curricular development, teaching practices and social research engagements. The faculty members lead three important consultancy studies on Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) commissioned by State Institute of Rural Development, Government of Kerala.

In a novel initiative to engage with issues that are important for the policy-makers of the nation and as an attempt to strengthen the analytical basis for discussion, the university has launched University - Policy-maker interface Programme. The programme examines and prepares studies on issues of national/regional importance that could help clarify the debates on constitutional bills and draw upon expert academic commentaries to arrive at prudent but critical insights into the issues at stake. The programme is part of the KN Raj Centre's efforts to reach out to the policy-makers, on behalf of the university. The most recent endeavour focused on the constitutional bill, 2014 is aimed at the implementation of Goods and Services Tax (GST) regime in the country.

Schools and Centres under the Faculty of Science, Faculty of Technology and Applied Sciences and Faculty of Engineering and Technology have contributed significantly to the society through scientific innovations, trained manpower to academia and industry. Schools / Centres under the Faculty of Social Sciences and Faculty of Management Sciences etc have made significant contributions in the field of heritage preservation, skilled manpower development, social innovations etc. Schools offering programmes in the innovative areas of Environmental Sciences, Gandhian Studies, Life Long Learning, Tourism Studies etc. are pioneering institutions in those areas and have contributed much to national development.

b. Fostering global competencies among students:

Most of the schools of the university have industrial tie-ups and collaborative programmes. The university has many forms of relationships with many



national/international universities/organisations and has signed memoranda of understanding (MoU) as indicated in 5.1.10 (MoU signed with external organizations and effectively implemented)

In School of Environmental Sciences, School of Chemical Sciences and School of Biosciences, experts from industries such as Agilent, Shimadzu, Jeol, Perkin Elmer and Thermo conduct classes and workshop on advancements in instrumental technologies. In School of Tourism Studies, experts from the hospitality, tourism and allied industries deliver lecturers. They also provide internship opportunities in their institutions. Active industry linkage results in internship and placement opportunities to students ensuring employability.

c. Inculcating a sound value system among students:

- Counseling services for parents and children.
- Mental health programmes.
- Sensitization and awareness programmes on drug addiction & alcoholism.
- Conduct of exhibitions and competitions on various disabilities & their management.
- As part of "Clean India Challenge" 8th October 2015 was observed as Cleaning Day.
- Charity programme organized by the Department Students Union of the university for the young residents of Nalpathimala colony.
- Legal literacy mission was carried out in various Panchayats and Schools.
- Organized dispute redressal through the mechanism of mediation.
- Blood donation and campus cleaning activity.
- Students in four groups undertook projects on "Destination development-Water Ways", "Barrier free tourism in destinations of Kottayam district", "Role of social media in tourism development, "Plant based souvenirs of Kerala" in collaboration with the local tourism/leisure industry suppliers which enabled the students and the School of Tourism Studies to analyze the imperative needs of the needy in achieving their right to leisure.
- Organized gender sensitization programmes.

d. Promoting use of technology:

Campus wide availability and accessibility to internet promotes the use of technology. Use of technological resources and ICT are widely practiced in



teaching-learning. Automation of administrative departments, linking of academic and administration through intranet, use of digital library, provision of PCs, laptops to all members of faculty, Common computing centre with high-end software packages, well established language laboratories are all platforms promoting the use of technology in campus. Submission of proposals for funding from various funding agencies is done through online.

e. Quest for excellence:

Quest for excellence is promoted in the following areas:

- In curriculum development, constructive discussions are undertaken
 with the stake holders especially from industry and alumni. Feedback
 is taken from stakeholders to raise the curriculum to international
 standards.
- In teaching and learning, the state-of-the-art laboratories, hands on experiences and experiential learning plays an important role. Indo-US Obama Singh 21st Century Knowledge Initiative facilitated capacity building among faculty members and students. In some departments, master students are sent abroad to perform part of their theses work. MOOC courses are being offered by various schools
- In promoting research competence, scholars and faculty are deputed for seminars and symposia thus encouraging them to develop academic tie-ups and partnerships. The Research Committee initiates, monitors and promote there search activities of the university.

6.2 Strategy Development and Deployment:

6.2.1 Does the university have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

Yes. The university has a carefully prepared perspective plan for growth and development.

a. Vision and mission:

The university has a vision statement to which all the developmental activities are aligned.

With a view to creating knowledge addressing the needs of the society, different programmes and activities are designed in various areas of humanities, basic and applied sciences, management, technology, behavioural sciences etc.

b. Teaching and learning:

The university has a practice of using resourceful and impactful inputs for teaching and learning. Being the largest university in the state in terms of student intake and number of affiliated colleges, extreme care in every aspect



of teaching and learning including curriculum design, delivery and assessment is taken to ensure quality and excellence

c.Research and Development:

The university facilitates cutting edge research in various areas of science and technology, humanities and literary studies and management and business areas. The faculty members of the university have been carrying out several research projects being funded by reputed national agencies. Some faculty members have international research collaborations. The university has been constantly promoting its faculty and scholars in research activities to contribute and generate new knowledge that help address the needs of the industry and society.

TABLE

80 major and 19 minor research projects have been completed during the assessment period and 18 ongoing research projects which were taken up. Also, the University currently has 42international collaborations/linkages.

c. Community engagement:

- Faculty members and students have conducted several awareness camps, field trips and socio-economic surveys to delve deep into the problems faced by the local community.
- Several programmes for the benefit of differentially-abled persons were conducted by Inter University Centre for Disability Studies (IUCDS). They include: Certificate courses in Ageing and Disability Management, counseling and training programs in management of behavioral problem among children, learning disabilities, Continuous Rehabilitation Education (CRE) program etc.
- Some of the major programmes include competition for college students on paper presentation, lectures in colleges and schools for promoting Nanoscience and Nanotechnology, legal aid programmes and legal literacy camps, south Indian level management meets etc.
- The University has successfully completed a programme on waste management with the support of Kerala Biotechnology Commission.
- Spend a Day in Campus is an environmental awareness programme regularly conducted by Advanced Center of Environmental Studies and Sustainable Development (ACESSD) for school students.

d. Human resource planning and development:

There is a Planning Board which formulates and visualizes the overall planning of the university. This board has the Vice-Chancellor, Governor's nominee, Higher education secretary, 3 members nominated by VC amongst Directors' of statuary departments, a nominee from State



Planning Board, a nominee of the UGC, Registrar and Finance Officer as members. It provides suggestions on policies and programmes of the University. The P&D Section supervises and directs the various projects and funds received in the university. Some of the major activities carried out:

- Preparing Five Year Plan Proposal for the University
- Preparation of proposals for Government of Kerala, Planning Commission, UGC, RUSA and other national and International funding agencies.
- Implementing special schemes of Government of Kerala to University.

Some of the salient aspects of human resources planning and development taken up are the following:

- Schools/Departments encourage teaching and non-teaching staff to attend
 workshops, seminars and training programmes, orientation courses and
 refresher courses organized by the Academic Staff Colleges and other
 academic institutions. The Schools also organize several national and
 international level workshops, conferences and seminars.
- Human resource development for students is achieved through regular curriculum development, analytical teaching, practical training, projects and industrial visits. A placement cell also functions in the University.
- Guest faculties are appointed from time to time to complete the additional workload. The University schools give thrust on conducting training programmes in technologies like remote sensing, GIS, GPS, use of sophisticated instruments and analytical techniques etc. The schools ensure quality among students and staff through enrichment programmes conducted occasionally.
- The specific strengths of the students are sharpened and they are given training in research to generate productive and employable intellectual workforce.

e. Industry interaction:

- Industrialists are invited for curriculum revision process, lectures and seminars, industrial visits, internship and placement activities, patenting, industry funded projects etc. This facilitates building active relationships with industries. The university has identified a list of experts from industry to be invited as resources persons for discourses and lectures.
- For training and placement related services, the schools have linkages with leading business companies. Visiting resource persons from the industries give lectures to ensure industry interaction.
- The schools undertake research on various aspects of Environment Science



and Management like pollution control and remediation in collaboration with industries. One day job hunting programme was organized by M/s. Metrohm in association with School of Environmental Sciences.

- The university has been able to establish research interaction with Arjuna Natural Extracts, Alwaye in a research programme supported by KSCSTE. Molecular mechanism of anti-diabetic activity of *Costuspictus* has been taken up under industry linked biotechnology programme, (sanctioned by Kerala Biotechnology Commission) with industry partner-Arjuna Natural Extracts, Alwaye.
- Companies such as Asian Paints, Apollo Tyres, MRF Tyres regularly interact with International and Interuniversity Centre for Nanoscience and Nanotechnology and School of Chemical Sciences for undertaking joint projects, patents, seminars and placement programmes.
- There was a three day National Workshop on Molecular Docking and Drug Designing in Collaboration with Bio Discovery Group Life sciences, Bangalore.
- The University is in the process of initiating a course on Quality Control and Quality Assurance in Food industry in collaboration with Shimadzu.

f. Internationalization:

- Obama-Singh 21st Century Knowledge Initiative (2012): Mahatma Gandhi University, Kottayam was selected for Obama-Singh 21st Century Knowledge Initiative by the University Grants Commission. The project involves collaborative research and related academic activities with Brown University, Duke University and Plymouth State University of USA. The joint venture, titled 'An Interdisciplinary and Community Oriented Innovative Approach towards Sustainable Development', witnessed collaboration in various spheres of activity between the School of Environmental Sciences and the Advanced Centre of Environmental Studies and Sustainable Development with the Department of Civil Engineering(of Brown University), the Centre for Environmental Implication of Nanotechnology (of Duke University) and the Department of Social Sciences (of Plymouth State University).
- There is a global understanding between North Carolina Agricultural and Technical State University (NCAT) and Mahatma Gandhi University to conduct various Massive Open Online Courses (MOOCs).
- The School of International Relations and Politics has three Memoranda of Understanding (MoU) signed with three universities/institutes. A MoU between the Institute of Political Studies (IEP) of Rennes, France and the School of International Relations and Politics, Mahatma Gandhi University has been in place. As part of this, French students have been admitted to the



MA Programme to do two semesters in the School. There is another MoU with the Sciences Po Bordeaux (IEP), France and students from France are admitted for two-semester studies in SIRP. Scholars from China also keep visiting SIRP in accordance with the Memorandum of Understanding (MoU) signed with the Institute of Chindian Studies, Jinan University, China in 2011.

- International and Interuniversity Centre for Nanoscience and Nanotechnology and School of Chemical Sciences have signed a large number of MOU's with academic institutes worldwide.
- Certain faculty members having adequate international teaching and research experience have been appointed as regular faculty of the university.
- International experts are invited to deliver seminars and interact with the students.
- Faculty members are also doing collaborative research with reputed international organizations. Faculty members have collaborated with academics from international universities to undertake joint research programmes and to publish research papers.
- Faculty members of the Schools have participated in international conferences held abroad viz., France, Russia, Slovenia, Germany, Spain, Austria, Poland, Czech Republic, Belgium, Italy, Brazil, USA, China, Japan, Korea, Thailand, Dubai, Singapore and Malaysia as plenary, keynote and invited speakers. Some of them chaired sessions too.
- Some students have done their internships abroad and participated in conferences/workshops and made notable contributions to science.
- Some students have won international awards and medals. The university gives the students unlimited computer and internet access which helps them to access open courses put up by world class universities and other learning material. They are given good guidance regarding further learning and career opportunities. Students get to interact with many researchers of international repute during workshops and seminars. During international conferences, brainstorming sessions are held to formulate international joint projects supported by Horizon 2020 (EU supported) and other bilateral projects supported by UGC, DST and DBT with the rest of the world.

6.2.2 Describe the university's internal organizational structure and decision making processes and their effectiveness.

There is well structured organizational set up and decision making system in the University. The provisions laid down in the Statutes of Mahatma Gandhi University, UGC/Government - guidelines are strictly adhered to in making policy decisions on many issues. At the macro level, the Vice-Chancellor is



the Principal Executive Officer, whereas the Registrar is the administrative Head.

The following are the major bodies of authority/decision making of the university:

- The Syndicate
- The Senate
- The Academic Council
- The Faculties
- The Boards of Studies
- The Planning Board

The **Syndicate** is the chief executive body of the university and consists of 25 nominated members. The executive powers of the university including the general management and control over all the institutions are vested in the Syndicate.

The **Senate** is the advisory body and assumes the following powers and functions:

- a. To review, from time to time, the general policies and programmes of the university;
- b. To suggest measures for the improvement and development of the university;
- c. To consider the annual report and the annual accounts of the university and the audit report on such accounts and to pass resolutions thereon;
- d. To advise the Chancellor on any matter referred to by him for advice.

It has 133 members, of which 23 are ex-officio members, 19 are members nominated by the Chancellor and the rest are elected members.

The Academic Council acts as the principal academic body of the university. Academic Council is responsible for the maintenance of standards of instructions, research, education and examination. It consists of 93 members. The Academic Council also co-ordinates and exercise general supervision over the academic programmes and policies of the university.

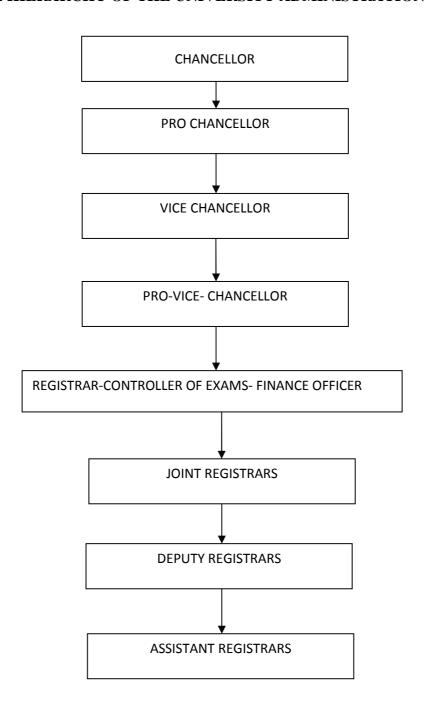
The Faculties are responsible for making recommendations and suggestions to the Academic Council on matters related to the organization of teaching, course of study, examinations, and research in the subject of study. There are 16 Faculties in the University. Dean is the head of each faculty. Also, Deans Committee can propose amendments to ordinances and regulations relating to academic matters for the consideration of the Academic Council.



Boards of Studies are the academic bodies monitoring the work of subjects of study. There are separate Boards of Studies, a total of sixty-nine in number for under graduate and post graduate studies.

The Planning Board advises the Syndicate and the Academic Council on any matter, which it considers necessary for fulfillment of the objectives of the University. It has 11 members.

THE HIERARCHY OF THE UNIVERSITY ADMINISTRATION





6.2.3. Does the university have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

Yes. In order to ensure quality in academics, research and administration, university has developed a system. It involves planning, coordination, implementation and evaluation. Competent committees are constituted for the purpose.

- Faculty Councils of respective Schools/Centres frequently meet, discuss and make recommendations on academic priorities of the institution to the university.
- The feedback mechanism is constituted to gather inputs from students, researchers and stakeholders making improvements and taking corrective measures in performance of academic and non-academic departmental functions.
- The teaching staff is encouraged to attend periodic refresher and orientation programmes, seminars/workshops to enhance their field of expertise and knowledge.
- Boards of Studies in every discipline, Faculties and its Deans and Academic Council ensure quality in curriculum development and in revamping programmes according to the requirement.
- The university has an effective internal coordination and monitoring mechanism at the level of Deans through Deans Committee.
- The Syndicate meets generally once in a month.
- The doctoral Committee monitors the progress of the work by research scholars at every stage. Persons with subject expertise were constituted from external organizations to independently evaluate the research progress and thus to ensure quality in research.
- An effective IQAC consisting of various stakeholders constantly meet to discuss matters related to academic quality and submit proposals for quality enhancement
- Constant review meetings are held by the Vice-Chancellor with the Deans and Directors/HOD of Schools/Centres and the Principals of affiliated colleges to discuss matters of academic importance.
- The Registrar conducts formal meetings with the administrative staff frequently and the Vice-Chancellor meets them occasionally to review administrative progress.
- Record of attendance is automated through digital punching system to ensure regularity and punctuality among employees of the university.



6.2.4 Does the university encourage its academic departments to function independently and autonomously and how does it ensure accountability?

Yes. Every statutory School and Centre has a Director and a Faculty Council. They are independent and autonomous in academic matters.

- Board of Studies (BOS) of each department decides on new courses and the course content is framed by Faculty. The recommendations of the BOS are ratified by the Academic Council.
- The Faculty Council takes decisions in a collective manner. Schools are provided with provisional funds to meet all contingency expenses, including purchases up to a particular limit.
- Schools and Centres have the freedom to invite experts and organize seminars, workshops and conferences.
- Schools and Centres being autonomous are given the freedom to conduct examinations and assessments.
- Academic audit, cross verification of exam related matters, financial audits, administrative control etc. are in place to ensure accountability.

6.2.5. During the last six years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?

Yes. The details of cases are given below:

Year	No. of cases
2011	323
2012	213
2013	268
2014	233
2015	297
2016	194

The cases were filed concerning the following areas:

a) Service matters- appointment, promotion, disciplinary action and seniority of teaching and non-teaching staff.



b) Students' matters- admission, examinations, attendance etc.

The judicial verdicts on all such cases are strictly followed and enforced in a time bound manner.

6.2.6. How does the university ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

- The university has a well-established mechanism to address the grievances of students, faculty members, non-teaching staff and general public.
- The faculty council of various schools/departments, chaired by the HOD, takes care of the issues of the students.
- There are various committees to take care of student's issues viz., antiragging committee, permanent cell to combat sexual harassment etc. These committees work independently on the complaints given by students/staff and report to higher authorities for further action. The students can also availthe services of the SC/ST cell of the University.
- Students have facilities within the university for getting their grievances redressed. Grievances are addressed at the first level by the Faculty Advisor followed by the Faulty Council. Grievances which are not resolved at the School/Centre level are considered by the University Grievance Redressal Cell.

6.2.7 Does the university have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes,

- Feedback from the students is obtained to assess the working of the Schools and Centres of the university.
- Specific student feedback on programmes, courses, teaching and evaluation methodology are also collected and analyzed.
- Faculty council uses the feedback for improving the existing academic programmes and administrative protocols.

6.2.8. Does the university conduct performance audit of the various departments?

Yes. Quarterly performance report of the Schools are collected, assessed and submitted to the Chancellor. Also, all the faculty members of the university prepare their Performance Based Assessment Report annually and these reports are audited by IQAC. IQAC Team headed by the Vice- Chancellor visits all the Schools and centres to assess the performance.



6.2.9. What mechanisms have been evolved by the university to identify the developmental needs of its affiliated institutions?

- University adopts proactive steps to identify the developmental needs of its affiliated institutions.
- The College Development Council (CDC) co-ordinates the faculty improvement and research projects/programmes of the affiliated colleges and also guides them to get grants from the UGC and other funding agencies.
- University organizes workshops on NAAC accreditation, choice-based credit and semester system, research methodology, conducts refresher and orientation programmes for college teachers etc. helping colleges to develop and grow independently.
- Faculty members are on the Boards of Studies of the affiliated autonomous colleges which helps in effective academic linkage.
- Sharing of research and library resources to the college students and teachers is another major facet. College students are allowed to do summer projects in the university.

6.2.10. Does the university have a vibrant College Development Council (CDC) / Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.

• Yes. There is an active College Development Council (CDC) headed by a senior faculty member of the university and guided by an Advisory Committee headed by the Vice-Chancellor.

The following activities and achievements are reported during the assessment period.

Faculty Development Programmes: 235 teachers participated

	2012	2013	2014	2015	2016
Minor Research Projects	295	425	373	77	
Major Research Projects	28	12	4		
UGC Sponsored seminars	85	61	122	84	
Non-UGC Sponsored seminars	2	4	1	2	



Development Assistance (no of colleges): infrastructure development(digital labs, library, class rooms etc)	55	74	119	Nil	
Colleges with Potential for Excellence	-	-	2	9	6
No of colleges conducting Career Oriented Add-on programme	25	28	28	28	28
Skill Development Programmes (Community Colleges,B Voc,Kaushal Kendra,ASAP			8	22	26
Substitute Approval Given	54	40	49	21	85
Special Heritage Status to College				Forwarded application of Maharajas College, Ernakulum	CMS College,Kottayam awarded Rs. 4.08 crores by UGC.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made to enhance the professional development of its teaching and non-teaching staff?

Involvement in research activities is treated as one of the outlets for exposing the professional talents of the teaching faculty. Acknowledging this fact, the institution promotes all initiatives on the part of the teaching faculty for research oriented programmes. They include:

• Wholehearted support to the faculty to pursue their Ph.D by rendering them the facilities of Faculty Development Programme (FDP).



- Encouraged to conduct sponsored and self-funded national and international seminars, workshops and conferences in the campus to gain exposure on the emerging trends.
- Gives ample support for applying for patents and publication of peer reviewed as well as non-peer reviewed papers in research publications.
- Duty leave is sanctioned to those who attend seminars, camps, conferences, refresher and orientation courses. Leave with service benefits are given to teachers for undertaking post-doctoral research. Many facilities like sabbatical leave, study leave, travel grants, special casual leave etc. are provided to faculty members. Provision is made for reorganizing the teaching schedule to facilitate research work.
- The University encourages and sponsor teachers to attend seminars, conferences and workshops related to quality enhancement, technology upliftment etc.
- Experts from other institutions are invited to deliver lecturers which helps faculty empowerment.
- Workshops on innovative teaching methods including use of ICT are organized.
- Provides the latest technological aids, ICT facilities and training, besides full time internet facility, to enhance the professional competence of the staff.
- Teachers have been advised to find diverse funding agencies for conducting research projects.
- Orientation programmes aimed towards reorienting the faculty and non-teaching staff towards their profession is handled by renowned academics and trainers.
- Takes due care to promote the professional competence of its non-teaching staff also. Latest electronic gadgets have been provided for the effective implementation of the administrative decisions of the university. They are encouraged to develop and sharpen their personal and administrative capabilities. The institution ensures the effective functioning of the non-teaching staff through regular monitoring. The non-teaching staff is given yearly orientation classes to improve their quality and to familiarize them with the latest technological advancement necessary for the effective functioning of the institution.
- The university regularly conducts national/international seminars/ conferences, faculty development programmes/ refresher courses /workshops to improve the skills of its faculty members.



- Eminent academics and scientists are invited to give talks for the enrichment of students and faculty members.
- The university has begun computerization of the administrative/ academic and financial procedures to streamline governance.
- Staff are given hands on training to implement innovative programmes.
- Moreover, they are sent to other institutions to undergo various training programmes organized by universities/ management/ administrative bodies.
- The institution has made adequate budget allocations from its own financial resources to help the staff members in their quest for professional development.
- Extended library and internet facilities, latest laboratory equipment are made available for staff members to pursue research.
- The faculty members who complete their PhD while in service are duly recognized and rewarded with additional increments.
- The staff who have obtained awards/recognitions from external agencies are felicitated.
- Collaborative programmes with industry and other institutions in strengthening faculty development programmes.
- Has also subscribed to INFLIBNET, EBSCO membership through N-LIST programme which gives access to 2500 e-Journals and 55000 e-Books.
- The library staff is nominated for various conferences and workshops on knowledge management and other emerging areas.

6.3.2 What is the outcome of the review of the various appraisal methods used by the University? List the important decisions.

The important appraisal methods used for evaluating the faculty members are:

Performance based appraisal system for promotion under Career Advancement Scheme (CAS), annual self-appraisal of the teachers and student assessment of the teachers. These appraisal methods have enabled to improve the teaching, learning and evaluation activities as well as the co-curricular, extension and professional development of the teaching community. The appraisal and the assessment reports help to give concrete suggestions to the faculty for betterment in their weaker areas, thus form a mechanism for teacher improvement.

The University Research Committeee (URC) monitors the research activities, and put forth recommendations and suggestions for improvement. It also



formulates measures for maintaining the quality of research in the university schools/centres.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefited from these schemes in the last six years? Give details

- Provides accommodation facilities to both teaching and non-teaching staff on a priority basis.
- Provident fund facilities.
- Emergency healthcare facility.
- Transport facility.
- The university also provides other welfare schemes for its teaching and non-teaching staff. They are;
 - ✓ Medical Reimbursement
 - ✓ House loan
 - ✓ Group Insurance Scheme and Life Insurance Scheme- 100% of the teaching and non-teaching staff are covered under this scheme.
 - ✓ Facility of Day Care in the campus
- Besides there is an Employees Cooperative Society which caters to the financial and social needs of its members offering several welfare schemes, like ordinary/short term financial loans, education loan, consumer loan, housing loan and advance payment against salary. A vast majority of the teaching and non-teaching staff make use of these facilities.

6.3.4 What are the measures taken by the university for attracting and retaining eminent faculty?

- The selection to various faculty positions in the university is merit based, adhering to the existing government regulations on community reservations.
- Vacant positions and opportunities in the university are widely publicized through reputed print media and university web site.
- Facilities available in the university are highlighted to attract talented faculty.
- Networking with reputed industries/institutions.
- Existence of merit based and timely promotions of faculty.
- Greater opportunities and support for career advancement.



- Attractive incentives to international faculty to take academic sessions on sabbatical.
- Financial support for research/ paper publications.
- Complete freedom in academic work.
- Providing excellent laboratory facilities.
- Encouragement for taking up research projects.
- Excellent infrastructural facilities are provided to academic.
- Facilities for carrying out collaborative research works with institutions at the national and international levels.

6.3.5 Has the university conducted a gender audit during the last four years? If yes, mention a few salient findings.

• Yes. The university conducts gender audit to ensure gender equality and to promote balanced gender based opportunities in the university.

Staff		2010- 11	2011- 12	2012- 13	2013- 14	2014- 15	2015- 16
Teachers	Women	34	34	34	33	33	25
	Men	75	75	72	72	70	65
Non-Teaching staff	Women	603	601	579	582	569	631
	Men	1210	1221	1135	1108	1049	988
Students	Women	5195	5201	5095	5225	5209	5171
	Men	1922	1938	2001	1938	1999	1996

GENDER AUDIT (PG STUDENTS)

The Salient features noted are as follows:

- 1) More than 70% PG students are women.
- 2) More than 85% M.Phil students are women.
- 3) More than 60% research scholars are women.
- 4) Among faculty members, 72.22% are men and 27.78% women.
- 5) Among non-teaching staff, 61.02% are men and 38.98 % women.



6.3.6 Does the university conduct any gender sensitization programmes for its faculty?

The Mahatma Gandhi University celebrates international days like Women's Day, Malala Day, Mother's Day, etc. Faculty and students attend various women empowerment programmes conducted by the Women's Club of the University.

6.3.7 What is the impact of the University's Academic Staff college Programmes in enhancing the competencies of the university faculty?

The university does not have an Academic Staff College. Despite the absence of such an institution, the university regularly conducts empowerment programmes for its teaching faculty. It also encourages and sends teachers for faculty development programmes carried out by other universities/institutions.

6.4 Financial Management and Resource Mobilization

6.4.1. What is the institutional mechanism available to monitor the effective and efficient use of available financial resources?

- The administration of budget is under the supervision of the Vice Chancellor and Registrar. Specified financial powers are ensured for the Vice Chancellor, Registrar and Heads/Directors of the Schools/Centres.
- The Statutory Finance Committee of the Syndicate meets at least once in every three months to review the financial position of the university and to scrutinize the proposals for receipts and expenditure. The finance wing of the university under the Finance Officer monitors the effective and efficient use of financial resources. Budget is prepared every year and allocation is made under different heads for various activities of the institution.

The institutional mechanism was constituted to monitor the use of financial resources effectively that includes the following measures:

- ➤ Identification of priority requirements needed for various academic and infrastructural needs.
- ➤ Allocation of budget based on identified priorities and re-allocation of grants for meeting the desired objectives.
- ➤ Strategies for mobilization of financial resources by following transparency and procedural rules for effective monitoring of expenditure.



6.4.2. Does the University have a mechanism for internal and external audit? Give details

- There is a pre-audit mechanism for auditing all expenses of the university.
- Kerala State Audit Department, is conducting concurrent audit of all transactions of the university.
- Apart from the above, the annual accounts are audited by the office of the Accountant General.

6.4.3 Are the institutions accounts audited regularly? Have there been any major audit objections, if so, how were they addressed?

Yes. Audit objections/observations raised through financial audits have been regularly addressed and corrective steps have been taken by the university. One of the major audit objections raised by the audit wing was in connection with the practice of awarding construction projects to Central Public Works Department (CPWD) of Government of India without open tenders, and accordingly e-tender mechanism has been introduced.

6.4.4 Provide audited income and expenditure statement of academic and administrative activities of the previous six?

Audited Income & Expenditure Statement for the Year 2010-2011

Income	
Item	Amount (Rs.in lakhs)
Grants from State Government-Non-Plan	3098
Grants from State Government-Plan	800
Grants from U G C –Plan	310.12
Internal Receipts- Affiliation Fee, Exam Fee,	
Certificates fee etc	3457.66715
Other Grants from State Government	910.5
Research Projects	549.50971
Scholarships/ Fellowships	332.90483
Others	33.76226
Total	9492.46395

Expenditure			
Item	Amount (Rs.in lakhs)		
Salary, Pension	5886.799		
General & Administrative Expenses-Non-Plan	319.8936		
Examination Expenses	1053.093		
Academic Departments-Recurring Expenses	50.03999		
Academic Centre- Recurring expenses	0.00		



Other Departments- Physical Education , DSS etc-	
Recurring expenses	69.27385
Grants & Scholarships	102.3543
Miscellaneous	12.81514
General & Administrative Expenses-Plan(Non-	
Recurring)	244.8744
Academic Departments-Non-Recurring Expenses	465.0315
Academic Centres- Non-Recurring expenses	0.00
Other Departments- Physical Education, DSS etc-	
Non-Recurring expenses	593.042
Research Projects	1339.243
Scholarships/ Fellowships	143.2163
Others	44.65244
Total	10324.33

• Audited Income & Expenditure Statement for the Year 2011-2012

Income	
Item	Amount (Rs.in lakhs)
Grants from State Government-Non-Plan	371.6
Grants from State Government-Plan	1000
Grants from U G C -Plan	627.7548
Internal Receipts- Affiliation Fee, Exam Fee,	
Certificates fee etc	4177.405
Other Grants from State Government	244
Research Projects	799.8491
Scholarships/ Fellowships	522.0676
Others	56.76825
Total	11145.45

Expenditure		
Item	Amount (Rs.in lakhs)	
Salary, Pension	7859.209	
General & Administrative Expenses-Non-Plan	319.7995	
Examination Expenses	1443.219	
Academic Departments-Recurring Expenses	47.6803	
Academic Centre- Recurring expenses	0	
Other Departments- Physical Education, DSS etc-		
Recurring expenses	82.46937	
Grants & Scholarships	111.0341	
Miscellaneous	22.95858	
General & Administrative Expenses-Plan(Non-		
Recurring)	113.416	

Academic Departments-Non-Recurring Expenses	313.2135
Academic Centres- Non-Recurring expenses	0
Other Departments- Physical Education, DSS etc-	
Non-Recurring expenses	1259.237
Research Projects	657.8938
Scholarships/ Fellowships	269.4692
Others	9.45748
Total	12509.06

• Audited Income & Expenditure Statement for the Year 2012-2013

Income			
Item	Amount (Rs.in lakhs)		
Grants from State Government-Non-Plan	4528		
Grants from State Government-Plan	1400		
Grants from U G C -Plan	217.06		
Internal Receipts- Affiliation Fee, Exam Fee,			
Certificates fee etc	4865.556		
Other Grants from State Government	550		
Research Projects	468.7142		
Scholarships/ Fellowships	298.4616		
Others	53.91		
Total	12381.7		

Expenditure		
Item	Amount (Rs.in lakhs)	
Salary, Pension	9883.47	
General & Administrative Expenses-Non-Plan	328.4881	
Examination Expenses	1660.515	
Academic Departments-Recurring Expenses	60.82387	
Academic Centre- Recurring expenses	47.68095	
Other Departments- Physical Education, DSS etc-		
Recurring expenses	85.99962	
Grants & Scholarships	58.09979	
Miscellaneous	10.58399	
General & Administrative Expenses-Plan(Non-		
Recurring)	152.4976	
Academic Departments-Non-Recurring Expenses	408.498	
Academic Centres- Non-Recurring expenses	366.5215	
Other Departments- Physical Education, DSS etc-		
Non-Recurring expenses	851.5972	
Research Projects	810.5997	
Scholarships/ Fellowships	413.3836	
Others	22.88327	
Total	15161.64	

• Audited Income & Expenditure Statement for the Year 2013-2014

Income	
Item	Amount (Rs.in lakhs)
Grants from State Government-Non-Plan	3990
Grants from State Government-Plan	1600
Grants from U G C -Plan	337.74
Internal Receipts- Affiliation Fee, Exam Fee,	
Certificates fee etc	6154.956
Other Grants from State Government	0
Research Projects	649.2815
Scholarships/ Fellowships	335.6521
Others	311.3887
Total	13379.02

Expenditure		
Item	Amount (Rs.in lakhs)	
Salary, Pension	10311.67	
General & Administrative Expenses-Non-Plan	412.9259	
Examination Expenses	1629.577	
Academic Departments-Recurring Expenses	52.69909	
Academic Centre- Recurring expenses	78.4576	
Other Departments- Physical Education, DSS etc-		
Recurring expenses	58.70481	
Grants & Scholarships	157.0008	
Miscellaneous	10.08872	
General & Administrative Expenses-Plan(Non-		
Recurring)	11.09216	
Academic Departments-Non-Recurring Expenses	231.8978	
Academic Centres- Non-Recurring expenses	431.0571	
Other Departments- Physical Education, DSS etc-		
Non-Recurring expenses	726.5627	
Research Projects	580.9308	
Scholarships/ Fellowships	383.3289	
Others	239.6784	
Total	15415.5	

• Audited Income & Expenditure Statement for the Year 2014-2015

Income	
Item	Amount (Rs.in lakhs)
Grant from state Government- Non- Plan	7182
Grant from state Government- Plan	2150
Grant from UGC -plan	0
Internal Receipts- Affiliation Fee, Exam Fee,	
Certificates Fee, ect	7284.15706
Other Grant from State Government	100
Research Project	468.64025
Scholarships/ Fellowships	97.78823
Others	57.80731
Total	17340.39285

Expenditure				
Item	Amount (Rs.in lakhs)			
Salary, Pension	11445.41			
General & Administrative Expenses-Non-Plan	1072.142			
Examination Expenses	1699.805			
Academic Departments-Recurring Expenses	76.71148			
Academic Centre- Recurring expenses	98.3975			
Other Departments- Physical Education, DSS				
etc-Recurring expenses	267.9188			
Grants & Scholarships	152.6465			
Miscellaneous	8.04358			
General & Administrative Expenses-Plan(Non-				
Recurring)	313.8549			
Academic Departments-Non-Recurring Expenses	310.1476			
Academic Centres- Non-Recurring expenses	305.6284			
Other Departments- Physical Education, DSS				
etc-Non-Recurring expenses	1424.56			
Research Projects	638.4827			
Scholarships/ Fellowships	106.5261			
Others	435.7539			
Total	18356.03			



• Audited Income & Expenditure Statement for the Year 2015-2016

Income				
Item	Amount (Rs.in lakhs)			
Grants from State Government-Non-Plan	8618.4			
Grants from State Government-Plan	2300			
Grants from U G C -Plan	112.5			
Internal Receipts- Affiliation Fee, Exam Fee,				
Certificates fee etc	6956.254			
Other Grants from State Government	0			
Research Projects	482.38			
Scholarships/ Fellowships	54.01718			
Others	11.0158			
Total	18534.57			

Expenditure				
Item	Amount (Rs.in lakhs)			
Salary, Pension	12409.14			
General & Administrative Expenses-Non-Plan	514.6057			
Examination Expenses	1905.302			
Academic Departments-Recurring Expenses	169.418			
Academic Centre- Recurring expenses	92.41606			
Other Departments- Physical Education, DSS				
etc-Recurring expenses	587.0389			
Grants & Scholarships	243.0593			
Miscellaneous	80.20441			
General & Administrative Expenses-				
Plan(Non-Recurring)	864.3152			
Academic Departments-Non-Recurring				
Expenses	438.9014			
Academic Centres- Non-Recurring expenses	140.9498			
Other Departments- Physical Education , DSS				
etc-Non-Recurring expenses	839.0251			
Research Projects	224.1647			
Scholarships/ Fellowships	89.21451			
Others	12.20466			
Total	18609.96			



6.4.5. Narrate the efforts taken by the University for Resource Mobilization?

- University receives huge quantum of funding from many funding agencies such as DST, DBT, DRDO, UGC, AICTE, ISRO, ICSSR, DRNS, UGC-DAE, TWAS, DIT etc.
- University also receives industrial funding from MRF Tyres, Apollo Tyres, General Cables, USA, Surface Treat, Czech Republic etc.
- University also receives international funding through DST-DAAD, DST-Italy, DST-Poland, DST-South Africa, DST-Croatia, India-Sweden project etc.
- University encourages faculty members to get funding from external funding agencies.
- University is revising the fees for various services, from time to time.
- Schools/Centres are encouraged, to augment the resources through Department Developmental Fund.
- Generating consultancy services testing and instrumentation charges.
- Resources are generated from external funding agencies for conducting seminars, conferences and workshops.

6.4.6 Is there any provision for the university to create a corpus fund? If yes, give details.

Yes. University is authorized by relevant University Act to create a corpus fund. Corpus fund is generated through various sources and is kept as fixed deposit in the State Bank of Travancore.

6.5 INTERNAL QUALITY ASSURANCE SYSTEM

6.5.1 Does the university conduct an academic audit of its departments? If yes, give details.

Yes. Internal academic auditing mechanism is in place. The academic audit was performed for all the University Departments. The IQAC expert committee led by the Vice Chancellor has made periodic visits for conducting academic audit in various Schools. For auditing of the inter-university and interschool centres, the respective Directors were called for a presentation of their academic activities where they highlighted the strengths, weaknesses, opportunities and challenges. Suggestions for improvement were made through this brainstorming activity. Feedback of experts were taken up for remedial measures.



6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?

Feedback obtained from the academic audit is communicated to the concerned Heads of the Schools/Centres for further improvement. The outcome is as follows:

- Traditional class rooms were converted into smart class rooms.
- Review and updating of syllabus, content and course structure were carried out through the CSS mechanism.
- New teaching methodologies like flipped class room, edmodo- an online interactive learning method, MOOC, Webinars etc were introduced.
- Interaction of students with external experts/visiting faculty through Erudite programme in which sixty eminent academics, including seven Nobel Laureates delivered lectures. Other programmes include Diplomatic Lecture Series, Industry-Institute interaction many a time involving alumni, Scholar-in-Residence Programme funded by the state Government, Memorial lectures held to commemorate the contributions of distinguished faculty who have served in different Schools etc.
- Freedom to select courses/electives within the programmes were introduced to help students.
- The system of assessment through continuous internal and end semester assessment has been further strengthened.
- Increase in the number of international and national seminars organized within and outside the campus.
- Number of MoU's with partnering organizations and academic collaborations has increased.

6.5.3 Is there a central body within the university to continuously review the teaching-learning process? Give details of its structure, methodologies of operations and outcome?

Teaching-learning processes are continuously reviewed by the Faculty Council at departmental level and Academic Council at university level. The process is also reviewed through the Performance Based Appraisal System (PBAS) and feedbacks from students. As a result, subsequent suitable modifications are done in syllabus, teaching and evaluation process, besides strengthening learning resources and facilities. Regular faculty council meetings discuss teaching – learning issues.



6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and process?

The IQAC has institutionalized several good practices to improve, assure and sustain quality in teaching, learning, research, infrastructural development and administration of the university. By introducing academic audit and administrative audit, IQAC facilitated internal quality checks for the university. Feedback in the form of surveys to assess teaching-learning process, socio-economic development, differential requirements of various stakeholders, pace of infrastructural development were taken up and qualitative measures were recommended for implementation. The IQAC has monitored self-appraisal by teachers and grievance redressal mechanism which are effective internal quality checks. IQAC evolved strategies to improve the academic and administrative functioning of the university through recommendations which were made after brainstorming.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the University for Implementation?

The recommendations on syllabus revision, website updating, web based solutions for efficient management of institutional data, infrastructure development, updation of existing facilities, barrier free transportation and accessibility, water conservation, well recharging strategies, energy audit, environment audit, gender audit, preparation of student profile report, honouring the PhD holders, faculty-publisher interface, national and international collaboration, comprehensive waste management etc., were placed before the authorities for approval and implementation. Forty decisions taken by IQAC for qualitative improvement in various spheres were placed before the statutory authorities of the university for implementation.

6.5.6 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members?

Yes. The valuable contributions of the external members including representatives of panchayatraj bodies, industry etc is notable. The industrial representative from MRF Ltd. gave directions for improving industry-university linkages. Active participation and practical suggestions from the part of external members have contributed to the decisions taken by the IQAC.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of the students from disadvantage sections of the society?

Yes. The IQAC reviewed the academic growth of the students from disadvantaged sections of society and found a better performance and output from them, which may be attributed to the efforts taken by the university for providing them with proper support and facilities. A comprehensive student profile report was prepared after conducting a study among the students. An access audit was conducted to study the differential requirements of the



differently abled in achieving academic excellence and remedial measures were taken up.

6.5.8 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centers, etc.?

- The IQAC conducts periodic review of the administrative and academic functioning of the university and academic departments and recommends suitable measures. Through academic and administrative audit, IQAC facilitated internal quality checks for the university.
- Academic autonomy is provided to Schools/Centres to offer academic programmes of global relevance, updating of curriculum, introduction of latest teaching-learning methodologies, to carry out cutting edge research activities, to enter into national and international academic collaboration, to carry out research projects through funding from various national and international funding agencies, to explore extension activities, to render consultancy services etc.
- Regular review meetings are held at the department level to formulate policies to strengthen the functioning of Schools/Centres which function as research centres in various domains of knowledge.
- Periodic research committee meetings to evaluate quality and progress
 of the research work carried out by the research scholars at the
 department level and also to resolve various administrative issues of
 research scholars.
- Evolving effective feedback mechanism from the stake holders.
- Carry out additional skill development programmes for the students.
- Augmenting research collaborations and linkages with leading institutions within the country and outside.
- Computerization of administrative, finance, examination, admission sections etc has resulted in the fast periodic review of various administrative functions.

CRITERION VII: INNOVATIONS AND BEST PRACTICES



CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

The university took several initiatives towards generating environmental consciousness amongst its stakeholders through activities involving students, teachers, administrative staff and the general public. The main campus at the Priyadarsini Hills as well as the satellite campuses are maintained as ecofriendly models with greenery that reflects the environmental policy of the university. The university has introduced environmental studies as a component in all the UG and PG programmes.

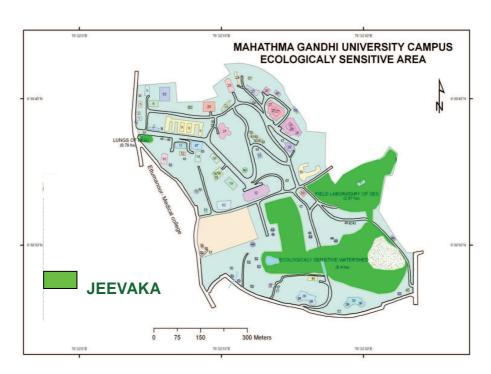
The School of Environmental Sciences, a pioneer in the field of environmental studies and research organizes field training and awareness for college and school students under its 'One day in the campus' programme. Seminars/workshops on environmental issues were conducted at national and international levels for the researchers and students. "Train the trainers programme on environmental management" is regularly conducted. The other important environment-related events conducted include

- World Wetland Day (February 2nd)
- World Water day (March 22nd)
- Earth Day (April, 22nd)
- World Biodiversity Day (May 22)
- World Environment Day (June 5th)
- Ozone Day(Sept 16)
- National Wildlife Week (October 2-8)
- A comprehensive field guide on the 'Butterflies of MG University Campus' was published.
- Booklets on themes like Water, Energy, Indoor Air Pollution, Health and Heavy Metals etc. were published by ACESSD to enhance environmental literacy and awareness among students and the general public.
- Programmes to enrich environmental consciousness were conducted by the Nature Clubs of School of Environmental Sciences and School of Biosciences. Nature study tours were also conducted to eco sensitive locations of Western Ghats.
- Students are made aware of the importance of sustainable growth and ecological issues by arranging talks under the auspices of the Nature Clubs.
- Extensive survey of the flora and fauna of the various campuses have been carried out.
- The university community participated in planting seedlings of trees of ever green species in collaboration with the Forest department.
- Jeevaka Live Laboratory: As an outcome of one of the group project



works of the PG students of this school, the university has declared a patch of land (12 ha. land) as Live laboratory of the school and an option is given in the curriculum to monitor routinely the biodiversity, ecosystem process and eco-hydrology of this live laboratory. With this live laboratory, the students are getting field experience on what they were taught in the theory classes. The Jeevaka Live laboratory is the major watershed in the campus and the conservation of this area helps in water conservation too.

- **Butterfly Garden: The** School also maintains a butterfly garden since 2009. The PG students and PhD scholars maintain this unique garden in the campus.
- Waste Management: The School of Environmental Sciences has its own waste management system mainly for the degradable waste. The school has installed a biogas plant of 0.75m³ capacity in its campus by using the fund raised by the school through one of its projects funded by DoECC Dept of Environment and Climate Change, Govt of Kerala. This biogas plant is being used to manage the food waste of the school.
- **Energy Conservation:** The faculty and students of the school undertook a group project work to conduct an energy audit for the entire university campus. As a part of it, the Environment Science building was also audited and conservation measures suggested in the report are being followed.





As had part of the *National Energy Conservation Day – 2015*, the MSc students of the school had undertaken a mini-project on reaching energy conservation at community level. This extension project with a main theme of *Social Education and creation of Environmental awareness* was started in January 2015 and continued till May 2015. In this work, 190 households spread across the state were studied. The students also did a survey of the electrical energy consumption at each household in the month of January 2015. Then they distributed pamphlets on energy conservation tips to each family and took a class on the same explaining the benefits to the household, nation and ultimately to the environment. The students have also followed-up each family once in every two months.

Result: Towards the end of this project in May 2015, the survey of electricity consumption was recorded in these 190 households and it was noted that these households have conserved 2585 units. The per capita electrical energy consumption has come down from 43 units to 39 units during the study period.

- Water Harvesting: In the student project report on solid waste management, it has been pointed out by the students that the campus has ample scope for roof top harvesting of rain water. Very recently the school has built a roof-top rainwater harvesting structure of 65,000 litres and developed a unique system as part of this rain water harvesting tank in which the coolant water from the water distillation stills are reused by circulating the water through the water harvest tanks, so that huge quantity of fresh water could be saved.
- Check Dam: Inside the Jeevaka Live Laboratory of the School of Environmental Sciences, there exists one check dam which was recently desilted resulting in the strengthening of its walls thereby improving the percolation system. The Faculty members and students of the school played a pivotal role in this process.
- Many schools offer courses in Ecology and Environment as part of their PG, MPhil and PhD programmes.

7.1.1 Does the University Conduct a Green Audit of its Campus?

Yes. As part of the progressive efforts initiated by Mahatma Gandhi university towards a sustainable future, a comprehensive Green Audit has been conducted. The responsibility of conducting the Energy Audit was assigned to Kerala State Productivity Council –a Kerala state government undertaking and Environment Audit was assigned to the School of Environmental Sciences (SES). A team consisting of faculty members and students of the school has completed the task in a span of three months.

The entire MGU campus – for the convenience of conducting Environment Audit (EA) – was categorized in to four sectors, *viz.*: Academic,

Administrative, Residential and Cafeteria sectors. Environment Audit was conducted by collecting water and soil samples; conducting interviews with various stakeholders, questionnaire based surveys and intensive field studies.

Sufficient number of samples of water, soil and solid waste were collected from each sector cited, and the samples were analyzed using standard methods and statistical tools in order to arrive at proper conclusions.

The summary of the Audit findings are:

• Water Audit

The quality of water available in the various water resources of the campus were studied by collecting water samples and by conducting a survey on the quantum of water being utilized in the campus.

The findings indicate that most of the water samples tested for various parameters of water quality test are within the permissible limits of the BIS (Bureau of Indian Standards) standards prescribed for drinking purpose. However, a few samples exceed these limits. For instance, Coliform count – an important water quality parameter of drinking water – has exceeded the standard limit (which is 0 count) in 40% of the samples tested. Out of these, two samples have very high Coliform counts of 460 which indicate that this site / water body may be severely contaminated with fecal matter.

The survey on water consumption indicates the residential sector consumes the maximum quantum of water while the cafeteria sector consumes the least. More attention is needed to conserve water usage in all sectors as the campus faces water scarcity during the summer months.

Soil Audit

Most of the tested soil samples indicate that they are acidic in nature; Carbon-Nitrogen (C/N) ratio was found to be less indicating the high nitrogen availability in the soil. High level of available phosphorus and potassium indicate the fertile nature of the soil.

Solid Waste Audit

The quantity of solid waste being generated in the campus includes a total of 563 kg /day of food waste; 82.86 kg /day of paper waste and 31.04 kg of plastics /day. The major share of food waste in the total quantum of waste generated in the campus indicates that there exists scope for recovery of energy / manure from it provided proper waste management practices are implemented. As on date, two biogas plants are functional in the campus (One at School of Environmental Sciences and another one close to the canteen near to School of Pure and Applied Physics) and both these plants are being fed with food waste. Besides this, there exists no proper management practice



with the aim of recovery of material or manure or energy from the huge quantity of food waste being generated in the campus. In general, the current waste management practices of the campus need more improvement.

• Biodiversity Audit

The biodiversity of the MGU campus is rich with 268 identified plant species of which 19 are endemic. Faunal diversity is also rich with 168 species which include dragon flies, butterflies and birds. Jeevaka live laboratory is the major spot of biodiversity richness which needs proper fencing and conservation. The construction activities are identified as major threat to the campus biodiversity.

• General Cleanliness and Sanitation Facilities Audit

The findings of the social survey indicate that the university community is happy with the cleanliness being maintained in the campus with 100% of the survey respondents agree with this view. However in the academic sector, only75% of the respondents agreed with this view.

• Energy Audit:

A detailed energy audit was conducted by Kerala State Productivity Council, a Kerala Government undertaking in the main campus and nine other associate campuses. The audit covered electrical distribution system, energy consumption pattern, scope for energy efficiency, importance of lighting, air conditioning, water pumping system, captive power generation, system harmonics, renewable energy applications, infrared thermal imaging, energy conservation building code and carbon foot print etc. The audit helped the university to assess the amount and pattern of consumption of power and evaluate what measures can be taken to improve the efficiency. The annual electricity consumption in the main campus is 147920 KWH and that in the associated campuses is 145461 KWH. Based on the present energy consumption, certain proposals were put forward for reducing the energy consumption. These include:

- 1. Energy savings by replacing the old inefficient window AC unit at the administrative building (basement) by a new energy efficient AC unit.
- 2. Energy saving with the replacement of 36/40 Watts fluorescent Lamps connected at various buildings by energy efficient LED lamps of 18 Watts.
- 3. Replacement of incandescent bulbs and compact fluorescent by LED lamps at campus buildings.
- 4. Energy saving by replacing various types of lamps provided at outdoor areas of campus with LED lamp.

- 5. Energy savings by replacing ordinary ceiling fans (80 watts) provided at various buildings of MG University campus by 5 star rated energy efficient fan (50 watts).
- 6. Energy savings by operating the 40 HP pump solely for the water requirements in the campus instead of existing lower rated pumps and shifting the pump operation to off-peak period.
- 7. Energy savings by installing bio gas from food waste.

7.1.2 What are the initiatives taken by the university to make the campus eco-friendly?

Energy Conservation

- University has taken measures to replace all incandescent light bulbs in the campus with energy efficient CFL/ LEDs in a phased manner.
- University has introduced energy efficient LCD and TFT computer monitors.
- Provision of master switch to enable to switch off all fans/ lights, at the end of work.
- Efforts have been made to enhance natural light and ventilation in new constructions enabling lesser consumption of electrical energy during the daytime.

Use of Renewable Energy

• Efforts are underway to introduce roof-top solar power generators to generate solar power of 400 KWP in the main campus and to reduce conventional power consumption at an estimated cost of Rs.3,26,49,600/-.

One biogas plant of 3 cubic meter capacity that handles 125 kg of waste has been installed. The construction of a biogas plant with a capacity of 15 cubic meter which can handle 225 kg of biodegradable solid waste per day at an installation cost of Rs.5,00,000/- is underway.

Water Harvesting

- Rain water harvesting has been done in a big scale in most of the existing buildings and the university has one of the biggest water conservation ponds in the country with a size of 53 m x 40 m x 22 m. It holds approximately 4.5 crores litres of water which meets the water needs of the university.
- Rain water harvesting features are made mandatory in all the new/proposed constructions in the university.



- A roof-top rainwater harvesting structure of 65,000 litres was installed in the School of Environmental Sciences as a pioneering project where the coolant water from the water distillation stills are reused by circulating the water through the water harvest tanks, so that a good quantity of fresh water could be saved.
- University initiated measures to recharge seven wells and one more quarry with rain water collected from roof top of buildings through an innovative well recharging mechanism.

Check Dam Construction

• There is one check dam which could hold 48 lakhs litres of water with a size of 80 m x 20 m x 3 m inside the Jeevaka Live Laboratory- the pristine 12 hectare protected major water shed in the campus. Recently the check dam has been de-silted and its walls have been strengthened and its percolation system has been improved by the university. The check dam which is maintained as part of this unique eco system holds rich flora and fauna and is a major source of water along with preventing soil erosion. It has resulted in enhancing ground water level in the area thereby enhancing the biodiversity of the campus. It also offers live field experience to students of environment sciences, as they regularly monitor the biodiversity, ecosystem process and eco-hydrology of this live laboratory.

Efforts for Carbon Neutrality:

- The University has initiated steps to implement e-governance in full scale to promote carbon neutrality in its campuses. Email communication along with web posting is promoted.
- The university has made the entire admission process paperless by introducing the facility of online submission of application forms.
- Use of rexine and other polymeric materials for advertisements are restricted in the campus.
- Continuous planting of indigenous tree saplings as part of greening the campus initiative is used to promote carbon neutrality.

Plantation

• Continuous planting of indigenous tree saplings as part of greening the campus initiative was undertaken by the various schools with the effective participation of students, staff, NSS volunteers, NCC cadets, Estates department and the public.

Hazardous Waste Management

- An efficient solid waste management system in the form of vermincomposting with the funding of KSCSTE and co-operation of local bodies was undertaken by School of Bio Sciences.
- The School of Environmental Sciences has installed a biogas plant of 0.75m^3 capacity in its campus by using the fund raised by the school through one of its projects funded by Department of Environment and Climate Change (DoECC), Government of Kerala. This biogas plant is being used to manage the food waste generated in the premises.
- The wash from chemical waste is contained and stored in the sewage tanks which have concrete walls of 20cm thickness. Research laboratories adopt green routes for chemical reactions by using less toxic starting materials, solvents etc. thus reducing the stages of the synthetic routes and minimizing the waste as far as practically possible. By changing the methodologies of organic synthesis, health and safety is assured in the laboratories. To reduce the environmental impact of laboratory wastes, reuse or redistribution of the unwanted surplus materials and treatment and recycling are adopted. The university has also taken measures to avail the services of a consultant to supervise chemical waste disposal and initiated steps to dispose hazardous chemical waste in a permanent disposal facility with the help of licensed agencies.

e-waste Management

• The University has entered into a tie-up with Clean Kerala Company for the removal of e-waste from the campus through buy-back schemes. Effective implementation and monitoring of the programme has been done through National Service Scheme.

7.2. Innovations

7.2.1 Give Details of Innovations Introduced During the Last Four Years Which have Created a Positive Impact on the Functioning of the University.

Large numbers of innovative programs were introduced in frontier areas of knowledge, teaching, research, extension and consultancy. New academic programs were introduced in several schools and centres. New centres were started in frontier areas of science, technology humanities, social sciences and languages.

Academic Initiatives and Innovations

 As a new innovative initiative of the university, School of Tourism Studies, a regular statutory department was established in 2010 for skill development in the areas of tourism, hospitality and aviation. It also conducts fundamental and applied interdisciplinary research in key areas



like tourism resource mapping, destination development, visitor management systems and development of innovative travel related solutions.

- Under School of Behavioural Sciences, Inter University centre for Disability Studies was started in the year 2010. Institute of Research in Learning Disabilities was started in the year 2014. The Department of Indian Sign Language also was started in the year 2015 to train young professionals who can interpret and communicate in Indian Sign Language.
- Inter University centre for Social Science Research and Extension (IUSSRE) was established in 2010. This centre has been conceived as an interdisciplinary centre of excellence for Social Science research and extension. The centre comprises of the major interdisciplinary areas of emerging social importance in the context of globalization.
- Centre for High Performance Computing was established in 2010. This centre provides facility for efficient scientific computing for interdisciplinary research. The centre focuses on open access programs for the use of all.
- Inter University Centre for Biomedical Research and Super Speciality Hospital (IUCBR & SSH) was established in 2010. This Centre envisions to transform scientific breakthroughs into accurate diagnostic measures and into life-saving treatments for patients. The Centre has plans to establish a super-specialty hospital in the second phase with facilities to deal with emerging threats of viral, bacterial and other infectious diseases, immunity crisis, geriatric issues, developmental disabilities, infection and inflammation, the ageing body and brain, mitochondria neurodegenerative diseases, brain injury and repair, mental health, metabolism, endocrinology and general health. Population health science; transplantation and regenerative medicine; genomics, children and women's health are the long-term priorities of the institute.
- Inter University Instrumentation Centre (IUIC) was established in 2011. This centre has been set up to serve the research communities in all the universities in Kerala by initiating advanced level research in various interdisciplinary areas which require state-of-the-art equipment facilities. This centre has acquired state of the art facilities from the Department of Science and Technology for characterization of materials.
- University Centre for International Co-operation (UCIC) was established in 2011. The main objective of this centre has been to explore the ways and means that shall facilitate international student's admission, collaborative teaching, research and outreach programmes with reputed institutions from abroad etc.



- Institute of Contemporary Chinese Studies (ICCS) was established in 2011.
- KN Raj Study Centre for Planning and Centre-State Financial Relations was established in 2011 and has started MA (Economics) programme.
- Advanced Molecular Materials Research Centre (AMMRC) was established in 2012 to perform advanced scientific research for the development of molecular devices.
- National institute of Plant Science Technology (NIPST) was established in 2012 to make advanced studies and research in the areas of plant science and plant based eco technologies.
- Inter University centre for Studies in Science of Music (IUCSSM) was established in 2012. This centre has been envisaged as an advanced research centre in the field of music and science, including specialists in the area of music cognition and evolution.
- Centre for Yoga and Naturopathy (CYN) was established in 2015 and is conceived as a centre for alternative medicinal systems and holistic health.
- Inter University Centre for Organic Farming and Sustainable Agriculture (IUCOFSA) was established in 2016. This centre has been established to encourage and promote development of organic farming and sustainable agriculture in the country.
- Business Innovation and Incubation Centre (BIIC) was established in 2016. The main aim of BIIC is to kindle the entrepreneurial spirit of youth and provide customized support to early stage business ideas with high growth potential amply supported by a patent cell. It also aims to become a hub for innovation activities facilitating and guiding development of ideas into innovative applications that can benefit society directly.
- Introduced M Phil in Disability Studies in Inter University Centre for Disability Studies in the year 2011-12 to promote interdisciplinary research in the area of disability rehabilitation.
- Introduced M.Tech in Computer Science with specialization in Communication and Network Technology in 2012 and MPhil in Computer Science in 2015.
- As a specialisation in the area of Chemical Sciences, a full-fledged M.Tech programme in the domain of Polymer Science and Technology was introduced in the School of Chemical Sciences in the year 2012-13. This programme was designed to create trained manpower in the area of Polymer Science and Technology.
- Integrated master-PhD programme was started in School of Chemical Sciences and International and Interuniversity Centre for Nanoscience and Nanotechnology.



- Setting up of Music Research Centre at Inter University Centre for Studies in Science of Music (IUCSSM) at a cost of Rs. 1.15 crores.
- School of International Relations and Politics started a summer school in Public Policy and Governance. The School also held a Young Scholars Conference in 2014 inviting young researchers from universities outside Kerala.
- The University has initiated an ambitious pioneering project to construct a Science Park in the campus. The Science Park will house chemistry, biology, nanoscience, organic farming, computer science and other science and general purpose laboratories. These facilities will provide the perfect environment for start-up science and technology businesses to conduct commercially oriented R&D and bring new products and services to the market. It is to satisfy the demand for smaller start-up companies for a business environment which includes meeting and conference rooms, desk facilities etc.
- The university has decided to introduce transmission of question papers online to its affiliated colleges to ensure fast and prompt completion of examinations.

Other Innovative Measures

- Through Erudite Professorship, MG University could bring a large number of outstanding professors (60 numbers) from different parts of the world to interact with faculty and students and the public. These include 7 Nobel laureates and other leading academics in science, engineering, technology and social sciences from all the continents. These visits helped the students and faculty to interact with outstanding professors. The university could also make good academic networking with all these faculties leading to many joint publications.
- The University has introduced multidisciplinary e journalwww.mguejournal.wordpress.com.
- Collaboration for academic, research and extension programmes with a number of national agencies and institutions including the UGC (DRS, CAS, DSA), DST (FIST), ICSSR, ISRO, KSCSTE, CSIR, DAAD, DIT, DRNS, DRDO, ICMR, BARC, MOEF, ICCR, ICHR, IED, IIFT, Institute of Chinese Studies and the Sahitya Academy.
- Academic collaboration with research institutions of international reputation such as the Max Planck Institute for Light, Leibnitz Institute for Polymer Research Dresden of Germany, University of Nantes, University of Strasbourg, University of Nancy, University of Paris Twelve, University of South Brittany of France, California Institute of Technology, USA, University of Toronto, Canada, Catholic University, Belgium,

Heidelberg University, Germany and the Institute of Political Studies, Rennes, France, Brown University, University of Wisconsin-Parkside, Duke University, Jinan National University, China, Plymouth State University of USA, Ben-Gurion University, Israel and Technical University Denmark.

- An extension programme on 'Rain Water for Humanity' was started in collaboration with Brown University (USA) through which about 25 rainwater harvesting structures have been successfully installed which are managed through community participation. Based on the success of this programme, the school of Environmental Sciences has received Indo-US collaborative funding project of UGC 'Obama -Singh 21st century Knowledge Initiative 'for further research and for establishing more cost effective rainwater harvesting structures and on sustainable sanitation suitable to this region.
- Through a new collaborative project on sustainable sanitation, the school
 of Environmental Sciences has acquired a 'Self-Contained, PV-Powered
 Domestic Toilet and Wastewater Treatment System' from California
 Institute of Technology, USA. This system purifies the water by removing
 the bacteria and other organic pollutants and the recycled water could be
 used for further flushing.
- The School has recently installed a weather station which can measure all basic ambient atmospheric parameters continuously. The system can store all these data for future work. This portable system can be taken to the field for in-situ measurements which can substantiate the research work. The system is used for teaching wind patterns, temperature, humidity and rainfall variations in the local region. The wind data generated by the system is helpful in generating windrose diagrams etc. The system is also helpful in understanding the basic and latest measuring methods for climatic parameters.
- Advanced centre of Environmental Studies and Sustainable Development (an Inter University Centre) initiated inter-disciplinary research in areas like climate change, green technology, pollution studies, human ecology and tribal studies, bio diversity and sustainable development. The Centre is a partner of 'Obama-Singh 21st Century Knowledge Initiative' collaborating with Duke University and Plymouth State University, USA for sustainable development programmes.
- Library has introduced anti-plagiarism software to prevent copying of research output and theft of intellectual property.
- In addition to digitization of thesis, e-resources and open source resources have been extended through both campus-wide and remote access to students, research scholars and teachers.



- New linkages have been established via national endeavours in multinational projects like India TMT (Thirty Meter Telescope) Project (DST) and the Square Kilometre Array India Consortium (DAE) with participation of students and faculty in science development.
- Archaeological studies with the help of an archaeological museum which has a large number of objects belonging to Paleolithic, Mesolithic, Neolithic, Megalithic and Medieval periods in the School of Social Sciences. The artifacts include Potteries: redware, blackware, black and red ware, rouletedware, Chinese and glazed Islamic ware, burial urns, iron implements, beads, coins, inscriptions, granite sculptures etc. Student participation in excavation of archaeological sites is a part of history teaching-learning methodology.
- Consultancy Services were carried out by various schools and centres (1) to improve the production quality (2) to fabricate advanced materials from natural resources (3) to give value addition to the existing products and (4) sharing of lab facilities eg. Water quality testing for the general public.
- Psychometric tests for assessment of aptitudes and mentoring of students in various schools to make them goal oriented.
- Group student projects on topics of social relevance undertaken using a problem based learning approach in various schools has shown outstanding results due to its impact and influence on local community, decisions of policy makers etc.
- Semester plan A pre-planned academic calendar for all the working days of every semester ensures academic planning and timely execution and is followed in School of Tourism Studies. Lesson plan system for each course optimizes efficiency of learning through effective course management and is another major facet.
- Selection of "Luminary" The best outgoing student through a six tier selection procedure is followed in School of Tourism Studies.
- Travel Grant to students to undertake projects abroad.
- Fifty Seven international and national conferences were organised by the University for the Dissemination of knowledge in various domains.
- Memorandum of Understanding with 18 international and 6 national institutions and companies for research and development.
- MOOC programme was organised by School of Environmental Sciences and International and Inter University Centre for Nanoscience and Nanotechnology.



- Inter University Centre for Nanoscience and Nanotechnology was proclaimed as an International Centre by the Government of Kerala based on its outstanding performance during 2013-14.
- Brainstorming discussion meetings have been held in the international conferences at the International and Inter University Centre for Nanoscience and Nanotechnology for the submission of joint research projects between India and rest of the world under Horizon 2020 and other bilateral projects between DST/DBT/UGC of India and the rest of the world.
- Student exchange programmes, both inbound and outbound have been undertaken on a regular basis at the master and PhD level at the Inter University Centre for Nanoscience and Nanotechnology. As a result of this, students of the Centre could travel to USA, Canada, Argentina, Brazil, Poland, Belgium, Czech Republic, Slovenia, Slovakia, Italy, Portugal, Spain, Austria, Switzerland, Sweden, Finland, South Africa, Australia, New Zealand, Japan, China, South Korea, Singapore, Malaysia, Hong Kong, Nepal and Russia.
- Annual Meet to honour the PhD holders who obtained the degree during the year. The first such meet was held on 28/05/2016 where medals and certificates were distributed.
- An interface meeting between publishers and faculty and research scholars
 of the university was organised by the IQAC to promote publishing of
 research output with reputed international publishers.

Technological Innovations

All the University teaching departments have adequate computing facilities for catering to their academic and administrative requirements. The university network enables access to all the online journals and research articles subscribed by the University Library. Student Web Centre ensures general computing facilities in the campus. Specific computer labs for enhancing computer skills, language skills, soft skills etc. are also part of the computing infrastructure. The major technological innovations are

- Received funds for introducing Smart Class Rooms in eleven teaching departments to offer video conferencing facilities.
- Public Portal facility
- Wi-Fi Campus
- Campus wide OFC Network
- e-Tender for Transparency
- MOOC programmes and Web casting of Lectures



- Online single window admission through Centralized Allotment Process (CAP) which made it paperless. This admission process made the system more transparent and the principles of social justice, inclusiveness and equity could be introduced.
- Digitization in examination management system introduced in Pareeksha Bhavan.
- Official e-mail account made available to all teaching Staff.
- SMS communication for faster delivery of services
- Use of KOHA library management software in Central Library and in teaching departments.
- E-grants system for processing of grant/Fellowship applications of SC and ST students.

Others

- Biometric punching has been introduced for the staff to ensure transparency and punctuality in attendance system.
- The process of selection of non-teaching staff was handed over to the Kerala Public Service Commission which ensured selection of best candidates through greater transparency.
- A newly built day care centre is being run for the children of university staff.
- Single window system has been introduced for the submission of project proposals by faculty members.
- The money released from the external funded projects has been released to the principal investigators on a fast track basis.
- Submission of audited statement of accounts of projects is done through a fast track process by the university.
- The university has ensured a barrier free environment in the campus through construction of ramps, accessible toilets, preferential parking slots etc.
- The university has earmarked two seats for meritorious sportspersons for each course at under graduate level and one seat for each course at post graduate level.
- The university has instituted Sports grace marks to a maximum of 25% for participation in sports and for their achievements at various levels of competitions.

Ongoing Innovative Plans in Different Stages

- The university has initiated plans at a cost of Rs. 2500 lakhs to have a Wi-Fi enabled e-campus to enable online access to all statutory departments, inter university and inter school centres and affiliated colleges to facilitate online academic programmes through
- 1. Procurement of 10 TB server and other computer hardware and software.
- 2. Establishment of Wi-Fi facility in the campus
- 3. Establishment of e learning and support centre
- 4. Establishment of a digital content management system
- Installation of solar power plant system for power generation during day time at a cost of Rs. 3500 lakhs. This initiative will solve the electricity problems and frequent power cuts in the campus and the campus will become more green.
- Establishment of digitising facility in the university library.
- Setting up of Digital Content Creation Lab.

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the university.

Best Practice I

1. Title of the Practice: MULTIFACETED APPROACH FOR EXCELLENCE IN RESEARCH AND KNOWLEDGE PRODUCTION

2. Objectives of the Practice

A set of comprehensive measures were taken by Mahatma Gandhi University to achieve outstanding results in the area of research and knowledge production. The objectives are;

- a) To enhance research and knowledge production through upgradation of various academic elements.
- b) To excel in research through constant development of superior infrastructure and resources.
- c) To facilitate collaborative work by finding out the best partners for research collaboration from India and aboard.
- d) To enable faculty exchange and student exchange programmes to empower human resources.
- e) To conduct joint conferences and workshops.



- f) To have joint patents and publications.
- g) To run Massive Open on- line Programmes (MOOC).
- h) To constantly enhance analysis of the data, filing of the patents, sharing of the intellectual property rights and publication of research papers in refereed journals.
- i) To equip students to gain good and meaningful employment opportunities at the global workplace.
- j) To extend the research output to the betterment of the society.

3. The Context

Understanding of the need for several non-conventional areas of knowledge across physical, natural and Social Sciences, the university has chosen to organize its academic departments as interdisciplinary schools where multiple disciplines co-exist and interact with one another. This was followed by establishment of several inter university and inter school centres as institutions of convergence which facilitated cutting-edge research in various interdisciplinary domains. The university offers research programmes in forty disciplines through its own schools as well as through its approved centres.

4. The Practice

The university has massive faculty exchange programme where foreign faculties visit our campus on a regular basis and interact with students and faculty of the university. Our faculty visits other universities in India and abroad to give lectures and to undertake joint research projects which leads to joint publications and patents. Through Erudite Professorship, MGU could bring a large number of outstanding professors (60 numbers) from different part of the globe to interact with faculty, students and the public. These include 7 Nobel laureates and other leading faculties in science, engineering, technology and social sciences faculties from all the continents. These visits helped the students and faculty to interact with outstanding professors. The university could also make good academic networking with all these academics leading to many joint publications.

MGU was the only state university in the country to get Obama-Singh 20th Century Knowledge initiative project. Through this programme high level of academic networking was started with two US universities. This led to the exchange of faculty visits from both the countries, joint publications and conferences.

Student exchange programmes in both directions helped the students to excel in their academics, cross-cultural understanding and academic networking thereby getting equipped to meet the needs of the global workplace. They also become extremely skilled in running many sophisticated instruments. For eg. Student exchange programmes introduced at the International and

Interuniversity Centre for Nanoscience and Nanotechnology (IIUCNN) was a very unique programme where master and PhD students of (IIUCNN) could spend 6 months to one year in various countries like USA, Canada, UK, Brazil, South Africa, China, Singapore, Croatia, Austria, Germany, New Zealand, Japan, Australia etc. MGU could attract large number of students from abroad for the project work and to do a semester in the university for which credits could be transferred.

The frequent joint conferences and workshops organised in collaboration with other national/international institutions are very beneficial to keep abreast of the developments in the field.

Massive Open on-line Programmes (MOOC) proved very useful for the students as they helped them to attend expert online lectures of the faculties in other universities in India and aboard. MOOC on "Global Understanding" between University of North Carolina, USA and MGU was a unique programme introduced for the first time in Kerala at the university level. Another programme was conducted between MGU and Quilu University of Technology, China and Harbin Institute of Technology, China.

Joint research collaboration with other universities and institutions in India and abroad often leads to joint publications and patents. MGU could send one faculty and three students to Antarctica and this enabled high level of experimentation at the polar station.

Many faculty members of the university could present papers at the international conferences by making use of the unassigned UGC grant sanctioned for the purpose and the university has fully utilized UGC grant. Recently the University has approved travel funds for outstanding students too of the university to go abroad.

5. Evidence of Success

The success of these initiatives is phenomenal in terms of the national and international acclaims received. The university has an h-index of 66 based on Web of Science which is the highest value among all the universities in the state of Kerala. CSIR has ranked the university thirteenth at the national level in terms of intellectual productivity and NISTADS has rated it nineteenth at the national level in terms of h-index of the science faculty. DST has ranked the University 8th among the 29 Universities under the PURSE programme. Prof. Sabu Thomas is the most productive researcher in the state of Kerala with an h-index of 78 and citations 26000. His national ranking is 5th in terms of productivity.

Another important evidence of success is the large number of joint publications of MGU faculty with universities and research institutions abroad. The joint international conferences, joint patents and MoUs with leading institutions abroad are ample testimony to the success of the



initiatives. The success of joint Ph.D programmes with institutions in Australia and France is another strong indicator. The excellence in teaching and research at the Inter University Centre for Nanoscience and Nanotechnology has resulted in the elevation of the Centre into an International Centre, thus providing the university the unique status of having the only such international Centre in the State of Kerala. Because of the multifaceted approach in research, MGU could bag large number of national and international projects (DST Nano Mission, DBT, OBAMA-SINGH initiative, and other international projects) leading to infrastructure and manpower development.

6. Problems Encountered and Resources Required

The major constraint in offering the MOOC programme was the disruptions in high speed internet connectivity, lack of excellent video conferencing and time difference between the countries. Official hurdles were there initially for the funding of the outstanding students to go abroad on student exchange for their travel and stay, which were finally resolved. Difficulties in the processing of travel documentation are another hindrance.

Best Practice II

1. Title of the Practice: ENHANCED STUDENT SERVICES THROUGH ICT ENABLED CENTRALISED ADMISSION PROCESS

2. Objectives of the Practice

- To establish student -friendly admission systems for both the affiliated colleges and the university teaching schools.
- To ensure social justice in admissions by strictly maintaining the merit and reservation norms.
- To extend the catchment area beyond the jurisdiction of the university.
- To minimize the vacant seats.
- To put an end to admission related malpractices.
- To develop a Centralized Admission Registry.
- To develop an admission system in which the students and parents can save their time and money.

3. The Context: Contextual or challenging issues in designing and implementing the practice

Though the state government and university had framed specific norms for the admission process, the authority of admissions had been with the individual colleges. Each year during admission, the university had been flooded with complaints about violation of norms. Most of the complaints proved to be genuine. Community reservation pattern was not followed in many colleges.

The details of the candidates from the colleges used to reach the university only for the purpose of examination registration. At that stage even if the university found that there were unauthorized admissions, no remedial measures could be taken to support the student community due to the lack of enough time. In fact there was no system like a Centralized Admission Registry to cross check admissions. When the inflow of complaints increased, the university resolved to emulate the acclaimed Centralized Admission Processes of State Higher secondary Education Board from the year 2010. One of the challenges was a suit filed by private managements who termed the initiative as an encroachment on the right of minority management colleges. However the university could get a favourable verdict from the honourable Supreme Court.

4. The Practice: Uniqueness of the practice in Indian context- and limitations/constraints faced

In this system, a student can register any number of college/teaching School/course options based on his eligibility within a single application. The student will be allotted his/her eligible option strictly based on his/her merit and reservation norms. There are separate systems for admission to affiliated colleges and the University Teaching Schools owing to the difference in the admission criteria. There will be a number of allotments in the case of affiliated colleges whereas the admission to the Teaching Schools is based on a Common Admission Test after which the students are given allotments in an Admission Counseling. After the admission process the university prepares a Centralized Admission Registry by combining the data available in the system with the details of the candidate with regard to management/community quota admissions uploaded from the colleges. This process ensured the principles of social equity, accessibility and inclusiveness.

5. Evidence of Success: Performance against targets and benchmarks, review results-what results indicate?

- The enrolment in individual colleges shot up.
- The number of vacant seats got minimized.
- The enrolment of backward community students increased.
- The enrolment of SC/ST students doubled.

Notes add additional information if any

It was in 2010 that the university launched an e-governance initiative for centralizing the admission process in the affiliated colleges. In the initial year the university depended on LBS Institute for technical support. However, in the succeeding year, the university developed its own software for Centralized Admission Process. Following the resounding success in CAP for affiliated colleges the Common Admission Test for the PG programmes in the



university teaching schools also was moved to the online platform in 2013. The process was renamed CAT-MGU with integration of the Payment Gateway Services of M/S NSDL. Widely acclaimed as student friendly systems, the centralized admission processes of the university have benefitted both the student community and the college authorities. They also succeeded in maintaining social justice by strictly following the merit and communal reservation norms in the admission process.

Other Best Practices

1. Empowerment and Rehabilitation of the Physically and Mentally Challenged through Six Community Extension Activities (School of Behavioural Sciences):

School of Behavioural Sciences which represents the disciplines of Special education, Psychology, Nursing, Medicine, and Clinical Psychology has developed a number of community extension activities and programmes in the form of life skills training for high school students, empowerment of parents of the intellectually and mentally challenged children, training of staff nurses in imparting counseling, Jyothirgamaya - a community extension activity for the development of awareness on disability, Insightscommunity extension activity for the development of attitudes related to disability rehabilitation and Naipunya- a community extension activity for the development of skills. It also conducts a child development clinic named 'Pratheeksha' on every second Saturday involving a team of pediatrician, clinical psychologist, counselors, audiologist and a physiotherapist. The activity which is facilitated with the active involvement of Indian Academy of Pediatrics and District Early Intervention Centre is an attempt to promote interdisciplinary participation in disability prevention, detection and management.

The University also took the lead to establish **DREAMS** (Disability Rehabilitation Early Assessment and Management Services), an extension activity with the objective of providing early identification and intervention services to all types of disabilities under one roof. The initiative provided support services to 764 referral child clients, from medical institutions through DREAMS, during the assessment period.

The School of Behavioural Sciences organized a series of extension activities in the community to promote awareness regarding disability and rehabilitation under the programme JOTHIRGAMAYA. The School also organised and conducted medical camps to facilitate early identification of developmental disabilities under the scheme PRATHEEKSHA. The school also organised and conducted a series of training programmes for ASHA workers and parents to enhance skill in rehabilitation of persons with disabilities under the project NAIPUNYA.

2. Production of Laboratory Grade Water Through a Unique Rainwater Harvesting System (School of Environmental Sciences)

The distilled water, double distilled water and ultra-pure water required for environment analyses in laboratories are produced using a unique rainwater harvesting system. The harvested rain water is utilised for producing various analytical grade water as source and coolant. The coolant water is recycled through the rain water harvest structure unlike the conventional distillation units where the coolant water is discharged into the drain. This reduces considerably the wastage of conventional fresh water and increases the efficiency of the laboratory grade water producing system. The biodiversity, ecosystem process and eco-hydrology of Jeevaka Live Laboratory- a pristine 12 hectare protected major water shed in the campus is used to offer field experience to students and they regularly monitor this live laboratory.

3. Legal Literacy Cell (School of Indian Legal Thought)

Legal Literacy Cell, constituted in the year 2011 gives necessary legal advice and information to the public who approaches the Cell. The activities of the Cell are a kind of training to students in handling legal issues of the public.

4. Sports Scholarship and Sports Merit Cash Award (School of Physical Education and Sports Sciences)

The university has instituted Sports Scholarship for 150 meritorious Sports persons annually to recognize the achievement of the Sportsman/ women of the university. This acted as a motivating factor and the School has been able to produce 7 Awardees,10 Olympians, 15 Asian games athletes' and more than 200 internationals since its inception. The university has also instituted Sports Merit cash Award to the winners of All India Inter University championships annually. The Sports Merit Cash Award was instituted by the School to encourage the university teams to perform well at Inter University Competitions. An amount of Rs 10000/-, Rs 7500/- and Rs 5000/- respectively is given to athletes for each gold, silver and bronze medal.

5. Salvaging Excavations of Historical Material: (School of Social Sciences)

The practice of taking students to excavation sites and training them in salvaging artefacts belonging to the megalithic and pre-modern artefacts has contributed immensely in archaeological studies. The School also train students in surface collection of historical materials such as old coins and potteries. The outcome of these excavations in the form of thirty megalithic and pre-modern artefacts is displayed in the archaeological museum of the School.



6. Yoga for Masses-A Public Health Initiative: (Department of Life Long Learning and Extension)

The Department with the support of the Alumni, launched the Project "Yoga for Masses- Public Health Initiative" to impart awareness on basics of yogic practices among the public on voluntary basis. Sample studies have shown significant improvements in the life style disorders of the participants. 480 Yoga professionals who are appropriately skilled to provide training for the public have passed out from the Department during the last four years. More than 250 Yoga training centres have been launched by the MGU Alumni besides reaching the message of Yoga to more than 25,000 people through mass contact programme.

Similarly, the Department launched its Certificate program in Counselling too. 400 students covering the wider social circle right from farmers to doctors, engineers, police officials, teachers, nurses, advocates and social workers have cleared the program in the last four years. The Department offers Counsellor on Call services to the students and educational institutions as and when required. More than 5000 students have been counseled through the system so far.

100 Organic Farming Clubs have been set up in Colleges under the university, and the cumulatively all the Clubs have produced vegetables worth Rs 50 lakhs.

7. Use of Online Interactive Teaching Learning Platforms like Edmodo, Galileo etc (School of Tourism Studies)

Edmodo - a digital online teaching learning interactive platform is used to enrich the teaching learning quality, crossing the barriers of time and place through its superior features like online discussions, online tests, pooling resources, online submission of assignments etc. Using Edmodo, students and teachers can reach out to one another and connect by sharing ideas, problems, and helpful tips resulting in online participatory learning. A teacher can assign and grade work on Edmodo and students can avail support of this pooling of learning resources.

To meet the global travel industry's requirements, School of Tourism Studies has also incorporated the use of travel simulation software like Galileo, Virtual Travel Agency, Virtual Hotel, Virtual Food and Beverage which familiarizes students with online reservation systems used worldwide for comprehensive transport and accommodation management.

8. Internship-Placement System through Effective industry linkage (School of Tourism Studies)

With active participation of the industry, the School has developed an effective system for implementation of the internship scheme. The internship, which is titled as Tourism Services Internship (TSI) consists of three

components: Pre-internship workshops, an eight week supervised working period (internship), and submission of a post-internship report called Tourism Services Internship Report. Constant evaluation and monitoring of the process is done using Daily Progress Report (DPR) and Internship Evaluation Feedback (IEF). This systematic internship system was found very effective for linking theoretical knowledge and industry practices, which reflected in the form of successful placements.

9. Demonstration –cum – Interactive Method for Teaching Sanitation and Waste Management with Operating Models (School of Environmental Sciences)

The School of Environmental Sciences made the learning process interesting with a demonstration —cum — interactive method. Sanitation and waste management are given prime importance (Swachh Bharat) with operating models in the campus. The solid waste management techniques are explained / taught to the student community with the working models of biogas plants, composting and vermin-composting units in the laboratory. The students get trained how to operate these gadgets for efficient management of solid wastes.

10. The Summer School:

The school of International Relations and Politics organized a summer school on public policy and governance in association with Institute for Sustainable Development Governance (ISDG) during 30 April 3 may 2016. It was attended by about 30 scholars students and the stakeholders of public policy and classes were engaged by experts in the relevant field of studies.

11. Young Scholars Conference:

The KPS Menon Chair of the school of International Relations and Politics organized a Young Scholars conference in association with Kerala State Higher Education Council on 27-28 March 2014.it was attended by a large number of scholars from all over Kerala. Ambassador K.P Fabian led the deliberations of the conference.

ACTION TAKEN REPORT



ACTION TAKEN REPORT AND QUALITY INITIATIVES UNDERTAKEN ON THE PREVIOUS PEER COMMITTEE RECOMMENDATIONS

Mahatma Gandhi University has taken all recommendations of the Previous Peer Committee with due respect and consideration. The University places on record its deep appreciation of these recommendations which are instrumental in correcting the shortfalls and inadequacies. The following are the observations and recommendations, followed by the steps taken by the University.

Criterion I-CURRICULAR ASPECTS

2.1.2Academic Flexibility:

Observation 1: Credit choice across disciplines and transfer of credits

CSS provides provision for open courses and every regular postgraduate student is required to choose an open course of 4 credits in the third semester. It offers a student the opportunity to attend courses offered by another school /faculty.

Credit accumulation and transfer facility: Inter institutional credit transfer is being offered by university for students undertaking projects outside the University. Open courses are offered to students in the third semester. The credit for the open course is transferable.

2.1.3 Feedback on Curriculum

Observation 2: Formal and systematic mechanisms to direct feedback from the alumni and parents for curricular improvement.

The University uses the feedback obtained from students and alumni in the prescribed format. The feedbacks received from different groups of students and alumni are compiled by the Head of the School/Centre concerned and it is discussed in the Faculty Council for appropriate action in curricular improvement. The feedback helps respective teachers to know and improve the syllabus, teaching methods and evaluation.

2.1.4 Curriculum Update

Observation3: Fieldtrip/visit/work is not visible in some Schools/Departments

University strongly encourages field trips/familiarization trips/visits to labs, industries etc as part of academic activities in all Schools/Centers.

CRITERION 2 TEACHING, LEARNING & EVALUATION:

2.2.2 Catering to diverse Needs

Observation 4: There is a below par representation of SC and ST students.

With a view to streamlining the admission procedure in affiliated colleges and university departments, the centralised admission procedure (CAP) was conceptualized by the Mahatma Gandhi University which was implemented from the academic year 2010 onwards and is successfully running the process since then. The biggest advantage of CAP is that the seats earmarked for SC/ST/Physically Challenged candidates are exclusively allotted to them. Unfilled seats in these categories, if any, can also be allotted to other eligible categories as per the existing rules, thereby ensuring social justice which has shown positive results.

In the admission process the University offers mandatory reservation of seats to special categories as shown below:

Category	Reserved seats (%)
Scheduled Castes	15%
Scheduled Tribes	7.5%

For the unfilled seats under the SC/ST category, re-notification is done upto a maximum of three times to ensure filling up of vacant seats.

Observation 5: Proactive stance towards the physically challenged students.

The University has issued specific orders (U.O No. 4308/P&D - 1/3/2016/Admn. dated 01/08/2016) formulating a comprehensive policy for addressing disability issues. The main components of the order are as follows:

- To engage the service of a barrier free design expert and architect to audit the disabled-friendliness of all physical segments of the University.
- To ensure disabled-friendly features like ramp (of a gradient not greater than 18-20 degrees), lifts (wide enough for wheel chair, and with Braille control switch panel and audition), special assistive fixtures and fitting (like handrails and grab bars alongside the side walk of steps and staircases), and disabled friendly washrooms in all future construction projects.



- To allow a grace period of three months for MPhil and six months for PhD students who are physically challenged in the submission of dissertations.
- To ensure at least one terminal in the computer workstation (of all departments, centres) with special assistive technologies, preferably open source, for physically challenged students.
- To ensure the websites of Mahatma Gandhi University and its statutory teaching departments and the affiliating colleges incorporate features friendly to the visually challenged (including colour contrast, variable font size and audition).
- To create a special fund to handle all income and expenditure relating to addressing disability issues of Mahatma Gandhi University including constituent colleges. Besides central and state funding and UGC special assistance, funds are also received from MP/MLA development plan assistance for constituencies, and rules permitting, from the private sector companies (who may fulfill it as part of Corporate Social Responsibility).
- 3% reservation in admission is provided to this category of students to increase their access to higher education.
- Visually-impaired students are allowed scribes and extra time for writing the examinations.
- The unfilled seats under the Persons with Disability (PD) category is converted to seats for children with special needs.
- The University Library has Braille Centre with DAISY Software to aid the learning requirements of visually challenged students.
- Ramps and wheel chairs are provided in the buildings in the campus.
- The University has also initiated steps to procure an eco-friendly battery operated vehicle with wheel chair access along with preferential parking slots to ensure barrier free transportation in the campus. Physiotherapy unit
- Audiology and speech therapy unit
- Remedial coaching for students with learning disabilities
- Psychological counseling services
- ABILITY A funded project initiated by the School of Social Sciences to make buildings barrier free for persons with varied disabilities.

- To highlight the aspect of disabled friendliness in all notifications for admission and appointment released by the University statement "MGU is proactive to the needs of the physically challenged" is inserted.
- The University has conducted a comprehensive Access Audit to evaluate the state of accessibility in the campus.
- The University has availed Rs. 1 crore under the RUSA Scheme for the construction of ramps and disabled friendly toilets in all buildings of the University. The classes for differently-abled students are arranged on the ground floor to the extent possible. Electronic Lab for Visually Challenged has been set up in the library during October 2015 with an objective to provide reading facilities to blind and low vision library users.

2.2.3 Teaching-Learning Process

Observation 6: Methodological rigour in interdisciplinary teachinglearning process has not been spelt out.

Interdisciplinary courses that cut across disciplines are identified and curriculum is designed with teaching-learning methods by the combined effort of faculty from various disciplines. The university's MPhil/PhD programmes currently in place reflect the changing matrix of the methodological rigour.

Observation 7.Only few schools/departments use audio-visual facilities for teaching —learning.

The university has established smart classrooms facility in all the Schools/ Centers for teaching and learning.

Observation 8. There is a lack of critical mass of teachers to meet the needs of the ambitious academic expansion plans of the university

The University has well-qualified and distinguished pool of faculty members in different disciplines. There is a disparity between the number of teaching posts sanctioned a filled for which university has taken remedial measures. The University addresses manpower issues by availing the services of Emeritus/Visiting Professors, Adjunct Faculties, Guest Lecturers and Contract Lecturers. At present twelve Emeritus/Visiting Professors are serving the University. Additionally the university invites leading academics including Nobel Laureates from India and abroad as Erudite Professors and Chair Professors. The University is also in the process of filling all the existing vacancies in a time-bound manner.



2.2.5 Evaluation Process and Reforms

Observation 9. Institutional checks for internal evaluation is to be strengthened

The University ensures transparency and accountability in evaluation of students in various programmes through various strategies applicable to both internal and external components. Internal evaluation is continuous and teachers provide adequate and timely feedback to students. Their marks/ grades are intimated and sufficient remedial measures are suggested for improvement. The University has adopted progressive evaluation strategies at the University School level. It has been conducting courses with academic flexibility on credit based system. The feedback from the students and stakeholders are duly considered for strengthening the continuous internal evaluation. Transparency and accountability are hallmarks in internal evaluation. The effectiveness of the process is monitored periodically.

Observation 10: The mechanism to monitor the quality of doctoral research is inadequate

The doctoral committee of the Schools and Centers carefully monitors the quality of the doctoral research with the adoption of the 2010 UGC Regulations. The students have to undertake course work on three subjects including a topic on research methodology. PhD students have to make presentation of their research work every 6 months before the external expert. External expert makes suggestions and recommendations for the high quality of the work. Before the submission of the PhD thesis, they have to make a pre-synopsis viva by inviting an external expert. Based on the suggestions and recommendations of the expert, the PhD student has to make the required changes in the PhD thesis before the final submission. It is mandatory that the doctoral student has to publish at least one paper in a refereed journal prescribed by the UGC.

Observation 11: The question papers are not challenging enough

Effort are now being taken up to improve the quality of questions giving due importance to critical areas that are helpful to evaluate the knowledge and understanding of the students at various levels.

2.4.2 Maintenance of Infrastructure

Observation 12: Exterior of some buildings and landscape needs to be spruced up

The University received a fund of Rs. 20 crores from Rashtriya Uchathar Shiksha Abhiyan (RUSA) infrastructure fund in 2016 for infrastructure development and renovation which has been utilized effectively. The exterior and landscape of many building have been renovated with RUSA funding.

2.4.4 ICT as Learning Resources:

Observation 13. Bandwidth does not seem to be adequate considering the number of users.

Free Wi-Fi is available in the Campus and Hostels. The University has finished installing high speed wireless networking in the campus. These facilities are meant for the upcoming e-governance programme being planned in the University. The university avails the National Knowledge Network connectivity for accessing the digital scholarly resources provided by the UGC Inflibnet Centre. Services provided by the National Knowledge Network are high speed internet and the same connection is being used for e-governance and Wi-Fi connectivity in the university. National Knowledge Network is also provided in other centres of the university.

2.4.5 Other Facilities

Observation 14. Two boys' hostels and one girls' hostel are available. But more space is required in both hostels.

As per the recommendation, the University has constructed two hostels for men and three hostels for women and the details are given below:

Name of Hostel	Capacity	Established During the Assessment Period
Pallana Men's Hostel	117]	-
Pallana Annex Men's Hostel	81	2014-15
Syrandhri Women's Hostel	84	-
Nila Women's Hostel	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	2012-13
Kabani Women's Hostel	1 /12	2013-14

All the University hostels are well-furnished and are fully occupied.

Observation 15: Transport facilities for students, especially to satellite campuses are inadequate

The main campus of the university has 6 buses for the benefit of the student community. Most of the students who commute from home and city take the help of these buses. The satellite campuses of the university have 9 buses, 7 at the Campuses School of Medical Education, 1 for the Pullarikunnu campus and 2 buses for the law campus.



Observation 16: Buildings are not friendly to the physically challenged

The University has availed Rs. 1 crore under the RUSA Scheme for the construction of ramps and disabled friendly toilets in all buildings of the University which has been completely utilized. The classes for differently-abled students are arranged on the ground floor to the extent possible. Lift facilities are already installed in the examination wing of the university. Eventually the facilities will be installed in all our buildings for the physically challenged. Biometric attendance system has been properly installed in all the buildings for the benefit of the physically challenged.

2.5.1 Student Progression

Observation 17: There is no University level Placement Cell.

The University has established a Placement cell to improve the employability of the students and also to provide an opportunity for placements. The main objective of the Placement Cell is to work towards reducing the skill gap in students, thus enabling them for immediate placements after their respective courses. The major objectives of this Placement and Training Cell are:

- Guiding students for placement in credible organizations.
- Conducting seminars, group discussions, and mock interviews as a part of career guidance and personality development.
- Coordinating the efforts of the students of the various colleges and departments in arranging domain specific training for them.
- Acting as an information centre for students in job opportunities and competitive examinations.

The major tasks undertaken by this Cell include:

- 1. Training to students (EMPLOYMENT READINESS FOUNDATION PROGRAMME)
- 2. Organizing recruitment drive in the campus.

2.5.3 Student Activities

Observation 18: Good outdoor sports and games facilities are available: but there is lack of indoor sports facilities.

Facilities are provided for indoor sports like chess, table tennis, weight lifting, gymnasium, yoga, etc.

2.6.1 Institutional Vision and Leadership

Observation 18: The ratio of nonteaching to teaching is high

Of course, the high ratio of non-teaching to teachings is due to the fact that Mahatma Gandhi University has large number of affiliated colleges and selffinancing constituent colleges. However, University is trying to reduce the ratio by ICT enabled technologies at the administration, finance and examination wings of the university which include electronic file transfer and paper less administration.

2.6.2 Organizational Arrangements

Observation 19: Monitoring of the academic quality of affiliated colleges needs to be strengthened

To ensure quality and to keep abreast of the times, the University organizes curriculum workshops in different disciplines and subjects to design curriculum not only for the schools but also for the various programmes offered in its affiliated colleges. In fact, the University conducted 360 workshops during the assessment period. The CBCS system has been introduced in the affiliated Arts and Science Colleges at the undergraduate level from 2009 and at the postgraduate level from 2012.

2.6.3 Strategy Development and Deployment

Observation 20: Prospective plans are not clearly visible.

Mahatma Gandhi University has prospective vision document for the next 10 years i.e., vision 2030 which include Convergence Academia Complex, Science Park, State- of- the- art Academic Laboratory Complex and International Academic Convention Centre. The University has ambitions plans to be in the list of best 200 universities in the world ranking (Q and S, Shanghai etc). Additionally, every School and Center of the University has a prospective road map for the vision 2030.

2.6.4 Human Resource Management

Observation 21: A large number of legal cases against the university are pending.

The fact that the University has a large number of affiliated colleges and selffinancial institutions under its purview which has led to litigations of various dimensions. The cases were filed concerning the following areas:

- a) Service matters- appointment, promotion, disciplinary action and seniority of teaching and non-teaching staff.
- b) Students' matters admission, examinations, attendance etc.

The judicial verdicts on all such cases are strictly followed and enforced in a time bound manner ensuring equity and social justice.



2.6.5 Financial Management and Resource Mobilization:

Observation 22: Some of the audit objections have not been taken care of.

The audit objections raised by the Audit wings of the University and the Kerala Government are regularly addressed and corrective steps are being taken.

3.2 Institutional Weaknesses:

Observation 23: Faculty recruitment is inadequate

In the last four years, three permanent faculty members were appointed. If the University has constraints in filling up the post (due to pending cases, lack of qualified candidates, reservation issues etc.) then qualified and experienced persons are appointed as guest faculty. 56 guest faculty members have been appointed in various schools since 2010. It is to be noted that Mahatma Gandhi University is the only university in the state of Kerala which has been awarded the DBT BUILDER programme by Department of Biotechnology, Government of India, in which 3 Assistant Professors have been appointed. The University is also in the process of filling all the existing vacancies in a time-bound manner.

Observations 24: Faculty strength is minimal

Recently the syndicate of the university decided to fill all the vacant 41 positions of the faculty in the schools. School and Centers of the University have asked for new positions from the Government of Kerala

Observation 25: Facilities for sports and co-curricular activities are not enough

The university has taken innovative measures for supporting students to participate in sports and other extra-curricular activities. University has the following facilities for sports

- Playground: Floodlit roofed basketball court, 200 mts track, Volleyball court, Handball court, Football/Cricket Ground
- Gymnasium: Fitness Centre, Yoga/Wrestling Hall
- 100 bedded sports hostel for Boys and Girls

The School of Physical Education and Sports Science provides additional scholarships to the meritorious students, viz: Annual Sports Scholarship of Rs 3, 50, 000/- is distributed annually to the top150 sportspersons and Merit Award of Rs 7, 00,000/- is distributed annually as Merit Award for the Medal Winners in AIIU competitions at the rate of Rs. 10, 000 for Gold, Rs. 7,500 for Silver and Rs. 5,000/- for Bronze.

Observation 26:

Some teaching staff need to be motivated and re-oriented especially towards the research

The faculty members of schools and centres were motivated by conducting workshops, training programmes, refresher programmes, etc. They are motivated to apply for minor and major research projects funded by various funding agencies.

Observation 27:

There aren't many students from other states and countries.

Our University Centre for International Co-operation(UCIC) is acting as a coordinating centre for admission and academic related activities of international students in various schools/ departments/ centers for which it interacts with different departments. The students from other countries are now joining various schools and centers for their PG and PhD programs, and they are from France, China, Vietnam, Turkey, Tanzania, Uganda, Poland, Kazakhstan, Japan, Fiji, etc. The students from Karnataka, Tamil Nadu, Andhra Pradesh and Utter Pradesh also joined for the academic programs at MG University

Observation 28:

There aren't many staff members from other states.

For faculty recruitment, University advertise widely in the national level to attract the best talent across the country.

Observation 29:

The number of programmes available in Social Sciences is to be strengthened.

New programmes have been introduced at the master's level in the School of International Relations & Politics (like Public Policy and Governance) and K N Raj Centre for Planning & Center-State Relations (Economics).

Observation 30:

Hostel facilities are limited.

As per the recommendation, the University has constructed one hostel for men and two hostels for women during the assessment period as shown below:



Name of Hostel	Capacity	Hostels established during the assessment period
Pallana Men's Hostel	117	-
Pallana Annex Men's Hostel	81 ^J 198	2014-15
Syrandhri Women's Hostel	84	-
Nila Women's Hostel	$\begin{bmatrix} 71 & \int 226 \\ 71 & \end{bmatrix}$	2012-13
Kabani Women's Hostel	/1	2013-14

Observation 31

Residential facilities for teaching and non-teaching staff inadequate

University has built modern residential facility for faculty and non-teaching staff members. These include 64 staff quarters, 12 faculty homes and 6 quarters for the statutory officers.

3.3 Institutional Opportunities:

Observation: 32 There is great opportunity and need to turn to ICT-enabled resources for teaching and learning.

As part of introducing smart class room facility, the following items were supplied to various Departments:

Sl. No.	Name of the Item	Number Supplied
1	DLP/LCD Projector	68
2	Laptop	68
3	Visual Presenter	17
4	Interactive Board	68
5	Photocopier	26
6	PA System	35
7	Scanner	10

8	Printer	20
9	5 KVA UPS	6
10	High Speed Scanner	1
11	Desktop Computer	95
12	Desk top Computer with special softwarefor blind teachers	1
13	Lecture Stand	10
14	Wireless Mouse	68
15	Video Camera	10

- For training teachers/faculty, one smart classroom is arranged at the Conference Hall/Syndicate Room in the Administration Block.
- Sufficient training is given to faculty for using smart class room facility.
- Smart class rooms have been introduced as a part of career guidance programme.
- All teachers are provided with personal computers with unlimited internet connectivity
- Schools/Centres are equipped with smart class rooms.
- Modern multimedia teaching aids like LCD projectors, smart boards etc. are employed for teaching.
- Virtual programmes, teaching learning software and video conferencing facilities are also available.
- The university encourages blended learning by using online teaching learning platforms and e-learning resources.
- Orientation programmes and hands-on training for familiarizing faculty members with the use of various software for teaching learning are conducted regularly.
- MG university hyas initiated MOOC programme with other universities.



Observation 33: There is a need to tap resources from the alumni and government agencies

All Schools have their own alumni association. They have contributed to the development of the Schools and continue to be part of the academic stream. Contributions of Alumni Associations are varied viz: academic support, updating syllabi, enabling to keep abreast of the latest technologies, student mentoring, general body meetings, distribution of prizes to students for outstanding contribution in the departments, family get-togethers, honoring of teachers, technical seminars, special talks, cultural meets, placement support, internship support and philanthropy.

All the schools and centers tap funding from all government agencies such as UGC, DST, DBT, ISRO, CSIR, DAAD, KSCSTE ICMR, BRNS, MeitY, MoES, ICCR, ICHR, ICSSR, IED, IIFT, Institute of Chinese Studies, Jinan National University, China, and the Sahitya Academy.

Observation 34: There is scope for increased private participation

Some of the schools and centres of Mahatma Gandhi University receive funding from private companies from India and abroad for their research activities. These include MRF Tyres Ltd, Apollo Tyres, General Cables USA, Surface Treat, Czech Republic, Plant lipids, India.

3.4 Institutional Challenges:

Observation 35: University needs focused planning based on its founding vision and missions

Mahatma Gandhi University is in the forefront of planning, visualizing and implementing programmes for knowledge creation and dissemination imbibing the philosophy of sustainable growth. It has taken a number of pioneering initiatives to start teaching and research in new and interdisciplinary areas of knowledge by starting new International, Inter-University and Inter-School Centres.

Observation 36: For optimum utilization of human and physical resources, more students can be enrolled in each school/ Department.

In order to optimum utilization human and physical resource of the schools new programs have been stated. These include MSc-PhD integrated programmes and M.Tech programs in some schools. Additionally international interuniversity and inter schools have been stated for teaching and research on emerging areas for science and technology.

Observation 37: There is an urgent need to enroll more physically challenged students.

University has taken several proactive steps to attract more physically challenged students. These include construction ramps, introduction of wheel chairs, lifts, etc. University also issued order to buy battery operated vehicle for differently abled. There is also a separate bus service for physically challenged students.

Observation 38: There need to be a better interface between the university and the society through extension and outreach programmes.

University frequently organizes several outreach programmes besides extension cum awareness programmes to create a better interface between university and society at large. Prominent among them are shown below:

The University launched the Project "Yoga for Masses- Public Health Initiative" benefitting 480 student trainees who are appropriately skilled to provide training for the public. More than 250 Yoga training centres have been launched by the MGU alumni besides reaching the message of Yoga to more than 25,000 people through mass contact programme.

The Department of Life Long Learning and Extension is the leading department entrusted with extensive extension activities. The department is regularly conducting home stay camps in the nearby villages. Similarly, the department has also launched a certificate programme in Counselling too. 400 students covering the wider social circle right from farmers to doctors, engineers, police officials, teachers, nurses, advocates and social workers have cleared the programme in the last four years. The department offers Counsellor on Call services to the students and educational institutions as and when required. More than 5000 students have been counselled through the system so far. 100 Organic Farming Clubs have been set up in Colleges under the university.

The other major extension and outreach programmes undertaken are given below:

- 1. Helping the villagers to set up rain water harvesting structures.
- 2. Learning Disability Early Detection Camps
- 3. Counselling sessions for parents and students with Learning Disability
- 4. Social Rehabilitation of differently-abled
- 5. Environment enrichment Programmes
- 6. River protection activities in Periyar, Meenachil and Pampa rivers
- 7. Preventive Medical Camps
- 8. Tree Planting



Section IV: Recommendations for Quality Enhancement of the Institution

Observation 39: There is a strong need to introduce Mathematics, Economics, Philosophy and foreign language. Especially French and German.

MA course in Economics has been started in KN Raj Centre for Planning and Center-State Relations. The steps have been taken to start forging language such as French and German in School of Tourism Studies. University has taken steps to start department of mathematics at the main campus. Philosophical components have been added and strengthened in the curriculum of the PG, MPhil/PhD programmes of the School of Social Sciences, School of International Relations and Politics, School of Letters and the School of Gandhian Thought and Development Studies.

Observation 40: There is an urgent need to augment transport facilities

The main campus of the university has 6 buses for the benefit of the student community. Most of the students who commute from home and city take the help of these buses. The satellite campuses of the university have 9 buses, 7 at the Campuses of School of Medical Education, 1 for the Pullarikunnu campus and 2 buses for the law campus.

Observation 41: There is a strong need to strengthen infrastructure facilities for Sports and Games especially for athletics, basketball and swimming.

University has the following facilities for sports

- Playground: Floodlit roofed basketball court, 200 mts track, Volleyball court, Handball court, Football/Cricket Ground
- Gymnasium: Fitness Centre, Yoga/Wrestling Hall

100 bedded sports hostel for Boys and Girls

Observation 42: There is strong need for staff quarters for both teaching and non-teaching

University has built modern residential facility for faculty and non-teaching staff members. These include 64 staff quarters, 12 faculty homes and 6 quarters for the statutory officers.

Observation 43: The facilities in hostels need to be augmented.

The hostels are being renovated using RUSA funding. University has sanctioned additional funding to build a state-of- the- art kitchen and mess hall for men and women hostels.

Observation 44: The health center needs to be strengthened with better resources, both human and medical.

There is a six bedded health centre in the University with modern diagnostic facilities. There are two medical officers, one of whom is a lady doctor. There are two nurses in health centre. The centre dispenses basic medicines and one dressing room for basic injuries. There is a gymnasium for women members of the staff and girls students and a lady instructor to provide necessary guidance. Under its auspicious health cards were given to all employees as a welfare scheme of the university.

Observation 45: There is a need to apply for more Centres / Chairs supported/promoted by UGC and other agencies.

The university has started one International and Inter University Centre, seven Inter University Centres, nine Inter School Centres and one Business Incubation and Innovation Centre. Mahatma Gandhi University has 19 chairs. These chairs are conferred to leading academics, diplomats, and scholars and intellectuals of international repute.

Observation 46: 5 % marks allotted for attendance may be scrapped for it is not an academic entity.

5 % marks allotted for attendance has been scrapped.

Observation 47: The Journals need to be acquire ISSNs

University has following four journals with ISSNs numbers.

- Indian Journal of Politics and International Relations (ISSN; 0973-5011) and the South Asian Journal of Diplomacy (ISSN: 2229-3361)
- Mahatma Gandhi University International Journal on Computing and Communication (MGU IJCC), December 2012. ISSN: 2318-8850.
- Journal of Political Economy and Fiscal Federalism (JPE &FF) ISSN: 2395-6976.
- PEDAGOGICS is a peer reviewed academic journal with ISSN: 2229-7618.

Observation 48: The choice of course needs to be promoted.

The teaching programmes of the University are conducted under the Credit and Semester System (CSS). The programmes are organized in an interdisciplinary mode, marked by their innovative curricula and learner-oriented approaches. The CSS is essentially learner-friendly that advances interactive acquisition of knowledge in a multi-disciplinary matrix. The students are oriented to acquire knowledge with the latest developments in their fields of study. University offers four credit open course to all the masters' students. They can choose any course at any school or centre.



Observation 49: Audit observations should be attended to.

All audit observations are regularly attended

Observation 50: Self-financing course need to be reviewed to strengthen salary and emoluments and working conditions of the faculty members for long term institutional well-being.

University has initiated steps to strengthen the self-financing programmes.

Observation 51: The relationship between affiliated institutions and the University must be reviewed to ensure academic standard at UG and PG levels

The University has a vibrant Directorate of College Development Council (DCDC) which caters to coordinating the research needs of affiliated colleges. Directorate of College Development Council acts as the Coordinator for all affiliated colleges with the UGC (SWRO at Bangalore). There is strong interaction between departments of affiliated college and university schools and centers. Students and faculty members of the affiliated colleges often come to university for joint project and for the conduct advanced experiments using sophisticated instrumentation facilities. Joint projects are often submitted in collaboration with affiliated collages for funding.

Observation 52: Immediate steps need to be taken to ensure continuous and uninterrupted power supply to the university campus.

All the sophisticated instruments are supported with UPS facility. All the schools and centers are equipped with diesel generators. University has already initiated steps to obtain a hotline for campus.

Observation 53: The school of Tourism can be attached to the School of Management.

The School of Tourism Studies, a regular statutory department of the University, was established during this assessment period (June 2010) after receiving government concurrence considering the regional tourism resources and economic significance. The School which was set up in line with the prominent national and international tourism and hospitality institutions, focuses on skilled manpower requirements for the tourism, hospitality, aviation and allied sectors, besides involving in tourism policy formulation, consultancy services to the public and private sector etc.

The academic programmes of the School were brought under the Faculty of Management Sciences for which orders were issued. The academic activities of the School were also streamlined as per UGC specification (Central Government Gazette notification dated July 5, 2014).

In short, Mahatma Gandhi University has been able to address the issues raised by the previous peer committee in a time-bound manner, and the high

achievements of the University during the last five years reflect the level of growth trajectory as we documented in the self-study report. The fact that Mahatma Gandhi University has been chosen the best university in Kerala by the Chancellor of the State of Kerala during 2016 for the Award of Excellence is an indication that the steps being taken over a period of time are well rewarded.



MAHATMA GANDHI UNIVERSITY

Vol. II-A

Evaluative Report of the Schools/ Departments

Submitted to

National Assessment and Accreditation Council for Re-accreditation



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SCHOOL OF BEHAVIOURAL SCIENCES

1.	Name of the Department	:	School of Behavioural Sciences	
2.	Year of establishment	:	1988	
3.	Is the Department part of a School/ Faculty of the University?	:	Yes, Faculty of Behavioural Sciences	
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	 PG: M.Sc Psychology M.Sc Disability Studies and Rehabilitation Sciences PG Diploma in Indian Sign Language M.Phil: Behavioural Medicine and Rehabilitation (fulltime & part time) Special Education and Rehabilitation Sciences Rehabilitation Psychology Behavioural Sciences and Rehabilitation Nursing Ph.D: Behavioural Medicine Special Education Psychology Rehabilitation Nursing 	
5.	Interdisciplinary programmes and departments involved	:	All programmes are interdisciplinary in nature and hence the department has faculty from the disciplines of Psychology, Special Education (Mental Retardation, Visual Impairment, Hearing Impairment and Learning Disability), Clinical Psychology, Research Methodology and Statistics, Medicine and Nursing.	
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	All the P.G and M.Phil courses are conducted establishing academic collaboration with relevant institutions inside and outside the state	
7.	Details of programmes discontinued, if any, with reasons	:	P.G Diploma in Guidance and Counseling, owing to shortage of faculty.	
9.	Participation of the department in the courses offered by other departments	:	Semester (Choice Based Credit System) Faculty members are members of the board of studies and panel of examiners in Education, Special education, & Psychology in M.G University, Calicut University, Kerala University, & Kannur University.	

10.	Number of teaching posts, sanctioned,			Sanctioned	Filled	Actual (including CAS & MPS)
	filled and actual		Professor	1	Nil	1
	(Professors/Associate Professors/ Asst. Professors/ others)		Associate Professors	2	1	1
				Asst. Professors	7	5
		:	Others	-	-	-
	•	on 30.05.2015 • Dr.Elsheba Ma April 2013.	athew, Asst. I	Professor	r, (Medicine) retired on nical Psychology) is on	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D./M.Phil. Students guided for the last 6 years
Dr.P.S. Sukumaran	M.A, M.Ed., Ph.D	Professor	Special Education	25	Ph.D Awarded - 8 Ongoing – 7 Submitted - 1 M.Phil – 8
Dr.Rajeevkumar N	M.A, Ph.D	Associate Professor	Clinical Psychology	16	Ph.D- 01 Submitted - 01 Ongoing - 9 M.Phil-09
Dr.P.T. Baburaj	MA, M.Ed., Ph.D	Asst. Professor	Special Education	25	Ph.D Awarded - 01 Ongoing - 12 M.Phil - 14
Dr. K. Muhammad Mustaffa	M.A, M.A(psy) M.Ed. M.Phil, Ph.D	Asst. Professor	Special Education	10	Ph.D Ongoing - 07 M.Phil - 10
Mr. Rajesh E.	M.Sc, M.A, B.Ed	Asst. Professor	Special Education	10	Nil
Ms. Rincymol Mathew	M.Sc	Asst. Professor	Mental health Nursing	20	M.Phil-8



12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Sl.No	Name	Visiting Fellows/Adjunct faculty/ Emeritus professors	Specialization
1.	Ninan Kurien, Consultant Psychiatrist	Visiting Fellow	Behavioural Therapy

13. Percentage of classes taken by temporary faculty- Programme-wise information.

Programme	2010-16
MSc. Psychology	20 %
MSc. Disability studies and Rehabilitation Sciences	20%
M.Phil	Nil

14. Programme-wise Student Teacher Ratio:

M.Sc. Psychology	10:1
M.Sc. Disability studies and Rehabilitation Sciences	5:1
M.Phil	5:1
Ph.D	7:1

15. Number of academic support staff (technical) and administrative staff: Sanctioned, filled and actual:

Academic support	Sanctioned	Filled & Actual
Technical staff (including special teachers, Psychologist, Clinic nurse, etc.)	11	3
Administrative staff	4	4

16. Research thrust areas as recognized by major funding agencies:

- thrust areas
 - o Counseling
 - o Learning disability
 - o Integrated education
 - o Inclusive education.



• Fund received from:

- o Tata Institute of Social Sciences (TISS), Mumbai
- o Indian Council of Social Science Research (ICSSR), New Delhi
- o Sarva Shiksha Abhiyan (SSA), Kerala
- 17. Number of faculty with ongoing projects from a) national- b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.

a) National

SL. No	Project Title	Period	Funding agencies	Fund in Lakh (₹)
1.	High School Students with Dyslexia (Dr. Rajeevkumar N)	2013-15 (18 months)	ICSSR – New Delhi	4.00
2.	Exclusive tendency in Inclusive Education (Dr. K.Muhamad Mustaffa)	2014-15	Sarva Siksha Abhiyan, Kerala.	1.20
3.	Effectiveness of orientation programme for teachers in the management of behavioural problems (M.S. RazeenaPadmam)	2014-15 (12 months)	ICSSR – New Delhi	5.00

b) International : Nil

c) Total grants received : ₹ 10.2 Lakh

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration:1

SL. No	Project Title	Period	Funding agencies	Fund in Lakh (₹)
	GFATM Project - SAKSHAM		WHO programme funded	
1	(The Global Fund to Fight AIDS,	2009-14	through Tata Institute of	93.12
1.	Tuberculosis and Malaria, Round 7,		Social Sciences (TISS),	93.12
	HIV/AIDS Counselling Programme)		Mumbai	

b) International collaboration- Nil

c) Total grants received: ₹ 93.12 Lakh

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR,AICTE, etc; total grants received: Nil



20. Research facility/Centre with

• State recognition :Yes

Yes, Inter University Centre for Disability Studies established to promote research and extension activities in the area of disability. Had projects supported by the Govt. of Kerala

National recognition : YesInternational recognition: Nil

21. Special research laboratories sponsored by created by industry or corporate bodies.

• Department has a psychology lab and audiology lab.

22. Publications:148

Sl. No	Publications T	
1.	Refereed Journal Publications	82
2.	Monographs	Nil
3.	Conference Proceedings	37
4.	Chapters in Books	2
5.	Edited Books	Nil
6.	Books authored with ISBN	4
7.	Books authored without ISBN	3
8.	Articles in popular publications	20
9.	Total	148

Number listed in International Database (for e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc)

Rajesh E, Asst. Professor.

• Citation Index: 119

Impact Factor: 2016:2.262 & 5.2

Impact Factor: 2013: 1.2

Impact Factor: 2011: 3.192, 3.192 & 3.192

H-index: 6i-10 index: 2

23. Details of patents and income generated: Nil



24. Areas of consultancy and income generated:

The school offers consultancy services in the area of mental health and disability identification and rehabilitation. Since there are social issues where maximum awareness creation and provision of services are required, most of the services are provided **free of cost.** A nominal fee is collected for audiometry, physiotherapy etc. Also the intellectually challenged students attending the vocational rehabilitation unit of the School are given a nominal remuneration for the physical work they do in the centre. The details of the various consultancy assignments are given below.

The **SANTHWANAM** counseling centre working in the School offer mental health consultancy services to the child and adolescent clients referred from medical colleges, Institute of child health, district hospitals, schools, colleges and so on. The services of an expert clinical psychologist is provided for **Psychological Testing and Assessment** (Assessment of attention, concentration, intelligence, personality, memory and assessment of psychological disorders), diagnostic evaluation, and various **Psychological Interventions** (counseling, psycho education, Individual and family psychotherapy, Family therapy, Behaviour modification and behavior therapy and other appropriate management procedures). The centre also issues certificates regarding Intellectual disability and learning disability and is accepted as a competent authority in this regard by the Department of Education and Government Medical colleges. Guidance and counseling services also are provided in this centre. **Counselling and guidance** to the students and parents of the Vocational Training Centre of School of Behavioural Sciences and their assessment have been carried out in the clinic at regular intervals. All the services of this centre is **extended free of cost** to enable better access to the needy population.

The year wise distribution of the clients attended the clinic is as follows.

Year	No. of New Cases	No. of follow up cases.	Total No. of clients
2011	216	198	414
2012	300	214	514
2013	288	262	550
2014	166	122	288
2015	450	306	756
2016	372	198	570
Total	1792	1300	3092



The rehabilitation centre functioning in the School of Behavioural Sciences is unique in the country as it is attached to a state university and extend service to the intellectually challenged adults and their family. Presently the various skill training programmes of the centre are coordinated in 2 clusters. Each cluster has strength of 12-14 members. A file making unit functions in one of the cluster under the supervision of a special teacher (and supported by the students attending postgraduate and M.Phil programme in disability studies and special education) which trains the students in office file making. Each file board is sold at a rate of Rs.14/unit. The services of the unit have high demand.

The details of files sold are given below

Year	No. of files sold
2012	3996
2013	2837
2014	8256
2015	5847
2016	6684
Total (2012-2016)	27620

Income generated: ₹ 3.86 Lakhs

25. Faculty selected nationally/internationally to visit other laboratories/institutions/industries in India and abroad:

Sl. No.	Name of the faculty	Details of visit
1.	Dr. P S Sukumaran,	Resource person, Ramakrishna Mission Vivekananda University, Coimbatore, on February 25 – 27, 2011. (More included in Q No-27)

26. Faculty serving in

- a) National committees b) International committees C) Editorial Boards d) any other (please specify)
- a) National committee Nil
- b) International committee Nil
- c) Editorial board



Sl. No.	Name of Faculty	Details
1	Dr. P S Sukumaran	 Member, Editorial board, Guru Journal of Behavioural and Social Sciences. ISSN:2320-9038 Review board member, Journal of Disability Management and Special Education. ISSN 2229-5143 Review board member, Disability, CBR, and Inclusive Development
2	Dr. Rajeev Kumar N	Associate Editor, Guru Journal of Behavioural and Social Sciences, ISSN:2320-9038
3	Dr. P.T Baburaj	• Editorial Board member, Culture Society and Law, ISSN: 2348-1250
4	Dr. K. Muhammad Mustaffa	Editorial Board Member – International Research Journal in Psychology – Psychologist in Social Action.
5	Sri. Rajesh E	 Editorial board member, Medical Science: http://medicalscience.pubmedhouse.com/Home.php Editorial board member International Journal of Physiology and Pharmacology: http://nepjol.info/index.php/IJPP Editorial board member, Nepal Journal of Epidemiology: http://nepjol.info/index.php/NJE Editorial board member, International Journal of Brain Research:http://nepjol.info/index.php/IJBR

d) Any other (Membership in Committees)

Sl. No	Name of Faculty	Details
1	Dr. P S Sukumaran	 Dean, Faculty of Behavioural Sciences, M.G. University Director of Research, Mahatma Gandhi University. Chairman, Grievance Redressal Committee for the affiliated colleges. Member, Academic Council, Mahatma Gandhi University Convenor, Core Committee, B. Ed Special Education, Mahatma Gandhi University. Convenor, Core Committee, M. Ed Special Education, Mahatma Gandhi University. Chairman, Board of Examiners, B Ed and M Ed Special Education, Mahatma Gandhi University. Member, Board of studies, (Behavioural Sciences), M.G. University Member, Standing Committee, Academic Council, Mahatma Gandhi University.
		10. Member, Planning Board, Mahatma Gandhi University.



Mahatma Gandhi University

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		11. Member, Building Committee, Mahatma Gandhi University
		12. Life Member and Advisory Board Member, Kerala
		Mandabudhi Kshema Samithi
		1. Member Indian Association of Clinical Psychology
		2. Member, Kerala Manasasthra Parishath
		3. Member, Board of studies, (Behavioural Sciences),
		M.G.University
		4. Member, Board of studies, (Psychology) University of Keral
		5. Member, Board of studies, (Pedagogical Sciences),
	Dr. Rajeev	M.G.University
2	Kumar N	6. Member, Board of studies, Psychology University of Calicu
		7. Member, Board of studies, Psychology, Kannur University
		8. Member, Board of studies, Life Long Learning, University
		of Calicut
		9. Member, Human Ethics Committee, School of Biosciences
		M.G. University
		10. Secretary, Alumni, School of Behavioural Sciences, M G
		University.
	Dr. P.T Baburaj	1. Member, Board of studies, (Behavioural Sciences),
		M.G.University
		2. Member, UGC-SC/ST Monitoring cell, M.G. University
2		3. Resource person, Rajagiri College of Social Sciences,
3		Kalamassery
		4. Resource person, Cochin University of Science and
		Technology, Ernakulam
		5. Resource person, Sree Sankaracharya Sanskrit University,
		Kalady Marshar Board of studies (Bahasi assal Saismass) M.C.
		1. Member, Board of studies, (Behavioural Sciences), M.G.
	Dr. K. Muhammad Mustaffa	University. 2. Mambar Board of studies (Padagagical Sciences) M.C.
		2. Member, Board of studies, (Pedagogical Sciences), M.G. University.
		, and the second se
		3. Member, Board of studies, (Behavioural Sciences), Kannur University
		University 4. Chairman, Board of studies, Lifelong learning, University of
		4. Chairman, Board of studies, Lifelong learning, University of Calicut
		5. Member, Kerala State Higher Education Council, Research committee
4		
		6. Special Officer, Department of rehabilitation, University of Calicut
		7. Liaison officer for persons with different abilities,
		M.G.University
		8. Honorary Director, Institute of Research in Learning
		Disabilities, M.G.University
		9. Member Editorial Board: International Research Journal on
		Psychology 'Psychologist' in Social Action' Calicut
		University.
		Member, Board of Studies,(Behavioural Sciences),
5	Sri. Rajesh E	M.G.University
		w.G.Omversity



		2.	Member, P.G.Board of Studies, (Pedagogical Sciences),
			M.G. University
		3.	Member, Board of Studies, (Behavioural Sciences), Kannur
			University
		1.	Life Member, Trained Nurses Association of India
		2.	Member, Board of studies,(Nursing-UG&PG),
			M.G.University
	Smt. Rincymol	3.	Member, Board of studies, (Behavioural Sciences),
6.	Mathew		M.G.University
		4.	Adhoc inspector, Kerala Nursing Council
		5.	Programme Officer, NSS M.G. University Campus unit
		6.	Member, Advisory Board, NSS M.G.University
		7.	Chairperson, Women's Gymnasium, M.G.University
		1.	Chairperson, ,Board of studies,(Behavioural
	Dr. Razeena Padmam		Sciences)M.G.University
		2.	Member BOS – Pondicherry Central University.
		3.	Member BOS –in Psychology, UG&PG, M.G University.
7.		4.	Member-University Planning Board, M.G University.
/.		5.	Member–University Publication Committee, M.G University
		6.	Member–ICSSR - 2011
		7.	Member–UPSC - 2011
		8.	Member, Board of Studies in Psychology, Mahatma
			Gandhi University, Kottayam.

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs):

HRD Programmes attended by Faculty

Name of the faculty	Details of the programme
Rincymol Mathew,	1. Attended one day workshop on capacity building for nurse
Asst. Professor	educators organized by Government college of Nursing,
	Kottayam
	2. Attended faculty development programme organised by the
	University from 30/07/2015 - 12/08/2015
	3. Attended UGC sponsored refresher course in Education
	conducted by, Academic Staff College, Kerala University from
	03/02/2015 to 23/02/2015.
Sri. Rajesh. E,	1. Participated orientation programme conducted by UGC-ASC,
Assistant Professor	Calicut from 09/01/2015 to 06/02/2015.
	2. Attended UGC sponsored refresher course in research
	methodology in social sciences conducted by UGC Human
	resource development centre, University of Calicut from
	05/08/2015 to 25/08/2015.
Dr.Razeena	1. Attended workshop on facilitating leadership and managerial
Padmam, Director	efficiency organized by St.Xavier's Institute of Management,
(Retired on	Bhuvaneswar from 27th -29th January 11.



31.05.2015)	2. Attended 3 days workshop on "counseling Skills" organized at
	Tata Institute of Social Sciences, Mumbai from 16-19 May 2011
Dr. Rajeevkumar N,	. Attended one summer course organized by UGC Staff Academic
Associate Professor	College, Thiuruvananthapuram.
	2. Attended level 1 and 2 workshop on Solution Focused Brief
	Therapy Organized by The Department of Clinical Psychology, Sri
	Ramachandra University, Chennai on 3 rd – 10 th March 2011.
	3. Attended workshop on Applications of Projective Assessment held
	on 13 – 14 at Periyar University, Salam.
	4. Participated National Conference on Neuro psychology and
	Cognitive Neuroscience held at NIMHANS Bangalore on 24 th –
	26 th 2011

Participation in seminars/ conferences

2010 - 2011

Dr.Razeena Padmam, Professor & Director 2010- 2011	1. Attended workshop on facilitating leadership and managerial efficiency organized by St.Xavier's Institute of Management, Bhuvaneswar from 27th -29th January 11.		
	National Level		
	1. Resource Person, National Seminar on Inclusive Education for Children with Mental Retardation – An Introspection. Faculty of Disability Management and Special education, Ramakrishna Mission Vivekananda University, Coimbatore, on February 25 – 27, 2011.		
	State level		
	2. Resource person, Seminar on Analysis and Interpretation of Data. Government College of Nursing, Medical College, Kottayam. 02.07.2010.		
Prof. Dr. P.S	3. Resource Person, Seminar on Learning Disability. SVGV Training College, Aranmula. 17.07.2010.		
Sukumaran 2010 - 2011	4. Resource Person, Seminar on Behaviour Modification. Mispah Special School, Kayamkulam. 21.07.2010.		
2010 2011	5. Resource Person, Seminar on Special Education Research. Nirmala Sadan Training College for Special Education, Muvattupuzha. 06.10.2010.		
	6. Resource Person, Seminar on Special Education Research. Nirmala Sadan Training College for Special Education, Muvattupuzha. 20.11.2010.		
	7. Resource Person, Seminar in connection with World Disability Day on the topic, Role of Parents in the Education of Children with Disabilities. SSA Block Resource Centre, Ettumanoor. 03.12.2010.		
	8. Resource Person, Seminar on Mental Retardation, in connection with National Day of Persons with Mental Retardation. St.		



		Joseph Training Callege Mannanam 00 12 2010
		Joseph Training College, Mannanam. 08.12.2010. Resource Person, Refresher Course in Education. Handled a session on Special Education. Academic Staff College, University of Kerala, Kariavattom. 13.12.2010.
		Delivered Keynote address in the Silver Jubilee Celebration of Nirmala Sadan Training College for Special Education, Muvattupuzha, on 05.01.2011.
	11.	Resource Person, Seminar on Statistics in Special Education. Janey College of Allied Health, Eroor, Thripunithura, on 17.02.2011.
	12.	Resource Person, Seminar on Research in Special Education. Sneha Sadan College of Special Education, Ankamali, on 19.02.2011.
	13.	Resource Person, Seminar on Mental Retardation. Navatheeram Trust, Thodupuzha, on 25.02.2011.
	14.	Resource Person, Seminar on Special Education. Titus II Teachers College, Thiruvalla, on 01.03.2011
Mr. Rajesh E. Asst. Professor 2010-2011	-	Participated the One day national seminar on Management of Learning Disabilities held on 22 nd March 2011 at SCS Auditorium, M.G.University Campus.
		Participated in National workshop on research in education from 3-9 April 2011 at Mount Carmel Teachers Training College, Kottayam
Ms. Rincymol Mathew Asst. Professor	2.	Participated as resource person in the in-service education – Portfolio 2011 on the theme –Quality Assurance through Evidence Based Education organised at Caritas College of Nursing, Thellakom on 07/07/2011
2010-2011	- - -	Resource Person, National Seminar on Challenges of Inclusive Education. School of Behavioural Sciences, Mahatma Gandhi University. 26.03.2013.
Dr.Razeena Padmam, Professor & Director 2011 - 2012		Attended 3 days workshop on "counselling Skills" organized at Tata Institute of Social Sciences, Mumbai from 16-19 May 2011
	Natio	onal Level
Prof. Dr. P.S Sukumaran 2011 - 2012		Resource Person, Two day Seminar 'Summit of Mind', South Zone Regional Committee of Rehabilitation Council of India on Issues in Inclusive Education. Aluva, 27 – 28, February 2012.
	State	elevel



	1	
	2.	Chairman, Open Defence and Public Viva voce of Ph D Thesis. Department of Education, University of Kerala, Thiruvananthapuram. 23.05.2011.
	3.	Resource Person, Seminar on Education of Children with Special Needs. Saraswathi Vidya Mandir, Kunnukara, Aluva, on 25.05.2011.
	4.	Resource Person, Seminar in connection with the Anniversary of Self Help Groups of Thiruvalla, on 28.08.2011.
	5.	Convened One Day Curriculum Revision Workshop on B Ed Special Education (Mental Retardation). Mahatma Gandhi University, Kottayam. 14.09.2011.
	6.	Resource Person, Seminar on Values in Education, Technical School Teachers' Conference. YMCA Aluva, on 23.09.2011.
	7.	Resource Person, Seminar on Research Proposals. Nirmala Sadan Training College for Special Education, Muvattupuzha. 24.09.2011.
	8.	External Subject Expert, Doctoral Committee Meeting. School of Gandhian Thought and Developmental Studies, Mahatma Gandhi University, Kottayam, on 04.11.2011.
	9.	Resource Person, Seminar on Mental Retardation. Navatheeram Rehabilitation Centre, Thodupuzha, on 31.03.2012.
	1.	Attended level 1 and 2 workshops on Solution Focused Brief Therapy Organized by The Department of Clinical Psychology, Sri Ramachandra University, Chennai on 3 rd – 10 th March 2011.
	2.	Attended workshop on Applications of Projective Assessment held on $13 - 14$ at Periyar University, Salam.
	3.	Participated National Conference on Neuro psychology and Cognitive Neuroscience held at NIMHANS Bangalore on 24 th – 26 th 2011
Dr.Rajeev Kumar N, Asso. Professor 2011-2012	4.	Paper presented on "Psychosocial problems of school children- A pilot" study in the National Seminar on Psychological Counselling conducted by Department of Psychology, Govt. College for Women, Thiruvananthapuram on 6th& 7th January 2012.
	5.	Presented a paper at National Seminar on Child Development Organized by Sree Sankaracharya University of Sanskrit, Kalady, on 22 nd &23 rd Feb. 2012on Impact of Emotional maturity in the perceptions of Parenting among High School Student
	6.	Paper presented on "Emotional and Behavioural problem among juvenile children" in the Two day UGC sponsored National Seminar on "Stress and well being in adolescents - Role of Psychology" held on 30th and 31st March 2012 organized by Department of Psychology, S.V. University, Tirupati.
Mr.Baburaj P.T, Senior Lecturer 2011-2012	1.	P. T. Baburaj. Poster Presentation: UGC sponsored International Educational Meet on Education for Global Excellence. Mar Theophilos Training College, Thiruvananthapuram on 5th -7th January 2012.

Mr. Rajesh E. Asst. Professor 2011-2012	 Convenor of International level Special lecture on 2nd January 2012 by Pavan J Antony, Assistant Professor, Adalphi University, U.S.A on the theme (1) International issue, laws and policies in Special Education.(2) Transition issues and children with disabilities. Convenor of International level special lecture on 9th January 2012 by Anne M Mungai, Associate Professor, Adalphi University, U.S.A on the theme Multi- cultural Education and comparative education Participated the Two day programme on Assistive Technology for Visually Challenged organized by C.H. Muhammed Koya Library, University of Calicut during 21st and 22nd October 2011 at University of Calicut. 		
Ms. Rincymol Mathew Asst. Professor 2011-2012	 Attended workshop on research methodology and statistics organised by IUCDS, Mahatma Gandhi University in association with ICSSR from 13-17 september2011 Participated in National Workshop on Science information literacy and scholarly writing organized by Mahatma Gandhi university library from 17-19 Jan,2012 		
Dr.Razeena Padmam, Professor & Director 2012-2013	Resource person on the topic-Micro Skills in Counseling – Faculty Improvement Programme. organized at Trissur Engineering College, August 10th 2012,		
	National Level		
	 Chairman, Open Defence and Public Viva voce of Ph D Thesis at Gandhigram Rural University, Tamil Nadu, on 21.05.2012. Resource Person, National Seminar on Challenges of Inclusive Education. School of Behavioural Sciences, Mahatma Gandhi University. 26.03.2013. 		
Prof. Dr. P.S	State level		
Sukumaran 2012 - 2013	1. Chaired Core Committee Meeting on M Ed Special Education Curriculum Revision. Mahatma Gandhi University, Kottayam, on 11.04.2012.		
	2. Resource Person, In-service Special School Teacher Training Programme. S H Generallate, Kottayam, on 09.05.2012.		
	3. Resource Person, Workshop on Scholastic Backwardness, Learning Disability and Mental Retardation. Homoeo Medical College, Kurichi, on 23.07.2012.		
	4. Attended Conference on Vocational Training and Employment of Persons with Disabilities. Organized by State Commissioner, Persons with Disabilities Act, 1995, Thiruvananthapuram, on 07.09.2012.		
	5. Resource Person, Seminar on Education and Rehabilitation of Children with Mental Retardation. Organized by State Institute		



- for the Mentally Challenged at Calicut, on 28.10.2012.
- 6. External Subject Expert, Selection Committee for the Up gradation of UGC Junior Research Fellowship to UGC SRF. University of Kerala, Thiruvananthapuram on 29.10.2012.
- 7. Resource Person, Seminar on Learning Disability. Inter University Centre for Disability Studies, Mahatma Gandhi University, on 30.10.2012.
- 8. External Subject Expert, Doctoral Committee Meeting. School of Gandhian Thought and Developmental Studies, Mahatma Gandhi University, Kottayam, on 16.11.2012.
- 9. Resource Person, Sitting of M K Jayaraj Commission on Mental Retardation, Kottayam, on 27.11.2012.
- 10. Resource Person, Workshop for Homoeo Doctors on Management of Learning Problems of Children with Scholastic Backwardness, Learning Disability and Mental Retardation. Thodupuzha, on 12.12.2012.
- 11. Resource Person, Workshop on Management of Mental Retardation. State Resource Centre, MHRD, Government of India, Thiruvananthapuram. 19.01.2013.
- 12. Resource Person, Continuing Rehabilitation Education Programme. State Institute for the Mentally Challenged, Thiruvananthapuram. 30.01.2013.
- 13. Resource Person, One day Seminar on Learning Disability. Porukkara College of Education, Champakulam. 08.02.2013.
- 14. Resource Person, Workshop on Research Methodology and Statistics. TMA Counselling Centre, Ammancherry. 09.02.2013.
- 15. Resource Person, M Ed Special Education (Mental Retardation) Curriculum Workshop. Department of Education, University of Kerala, Thiruvananthapuram. 07.03.2013.
- 16. Resource Person, M Ed Special Education (Mental Retardation) Curriculum Workshop. Department of Education, University of Kerala, Thiruvananthapuram. 27.03.2013.

Dr.Rajeev Kumar N, Asso. Professor 2012-2013

- 1. Presented paper on "Frustration tolerance and Adjustment among Dyslexic students in the International Conference held on 15th to 17th June 2012 organized by TOC H Institute of Sciences & Technology, Ernakulam, in association with the Indian Academy of Applied Psychology.
- 2. Presented a paper on "Verbal fluency and design fluency of children with dyslexia" in the three day National Conference of Indian School Psychology Association held on 22nd to 24th November 2012 at University of Calicut.
- 3. Attended a National training seminar on Counselling and Psychotherapy organized by SPSA at Calicut on 23rd 25th Jan. 2012
- 4. Attended a National Seminar on Life Style Diseases held in connection with INFOBA 2012 at School of Bio Sciences, M G University on 19-20 Jan. 2012



- 5. Attended a workshop on Rorschach Ink Blot test held on 9 11 March 2012 at Sri Rama Chandra University, Chennai
- Participated in a conference on Psychological and social aspects of Atrocities Against Women, organized by School of Behavioural Sciences, Mahatma Gandhi University, Kottayam on 31st January 2013.
- 7. Presented a paper on Emotional and Behavioural problems among children of Juvenile Homes, Slums, and Rural setting at the International Conference on protection of Child rights: Issues and challenges, on 18 20 Jan 2013 organised by department of Psychology, Pondicherry University.
- 8. Delivered a session on "Classroom Management of Students with Dyscalculia" in the one day seminar on classroom management of students with Learning Disabilities conducted by school of Behavioural Sciences in association with Ys Men's Club, Kottayam on 23rd January 2013.
- 9. Participated national workshop on statistics for Psychological research held on 4th & 5th January 2013 at Women's College, Thiruvananthapuram.
- P. T. Baburaj and Priyachandra K. Paper Presented on Emotional Social and Educational Adjustment of students with hearing impairment in Higher Secondary Level. UGC sponsored National Seminar on Education for National and Emotional Integration. St.Thomas College of Teacher Education, Pala on 5th -6th June 2012
- 2. P. T. Baburaj and Chothisha K.S. Emotional maturity and marital adjustment of persons with hearing impairment. UGC sponsored National Seminar on Education for National and Emotional Integration. St.Thomas College of Teacher Education, Pala on 5th -6th June 2012

Dr. Baburaj P.T, Senior Lecturer 2012 - 2013

- 3. P. T. Baburaj and Vidyamol V. K. Stress among the mothers of hearing impaired children attending Special Schools. UGC sponsored National Seminar on Education for National and Emotional Integration. St.Thomas College of Teacher Education, Pala on 5th -6th June 2012
- 4. P. T. Baburaj and Jyothi P. Mental Health of Hearing Impaired Secondary School students. UGC sponsored National Seminar on Education for National and Emotional Integration. St. Thomas College of Teacher Education, Pala on 5th -6th June 2012
- P. T. Baburaj and Meenu. Job stress among the teachers of children with hearing impairment. UGC sponsored National Seminar on Education for National and Emotional Integration. St.Thomas College of Teacher Education, Pala on 5th -6th June 2012
- 6. P. T. Baburaj and Divya. A study on parent, child interaction among hearing impaired children and visually impaired children.



	7.	UGC sponsored National Seminar on Education for National and Emotional Integration. St.Thomas College of Teacher Education, Pala on 5th -6th June 2012 P. T. Baburaj . Two International Conferences on inclusion: Understanding children with disabilities to build inclusive communities on January 11-12 2012 at Assumption College, Changanacherry. P. T. Baburaj. Two day seminar on learning disability. Organized by IUCDS, Mahatma Gandhi University.
Dr.Elsheba Mathew Lecturer	1.	UGC sponsored national seminar on Aging and Society: A multidisciplinary Approach, 4-5 October 2012 at St. Teresa's College, Ernakulam.
2012 - 2013	2.	Attended two day international seminar on dementia care training organized by ARDSI at Kottayam, Oct 2012.
Mr. Rajesh E. Asst. Professor 2012-2013	1.	Participated the International Conference on research methodology and scientific writing held on 21 st and 22 nd December 2013 at M.G.University as organizer.
	2.	Attended the International Seminar on Evidence Based Practice in Nursing & EBP in simulation on 8 th March 2013organized by University College of Nursing, Thalappady. Attended Dementia Care Training Programme on 6&7 of July 2012 at Mount Carmel Teachers Training College, Kottayam in association with Bangor University, UK and Institute for Person Centred Approaches in India.
	3.	Resource Person, ELIXIR- 2012 "Aligning Nursing Education with Nursing, Practice" on 15 th December 2012.
	4.	Attended workshop on Capacity building, for nurse educators on 17 th August 2012.
Rincymol Mathew, Asst. Professor	5.	Attended UGC sponsored National Seminar on Aging & Society: A Multidisciplinary Approach conducted by St. Teresa's College, Ernakulam on 5 th October 2012.
2012 - 2013	6.	Attended the CME on Applied statistics in clinical research organized by Govt. College of Nursing, Kottayam from 17-18 January 2013
	7.	Participated in the Translator's Orientation programme from 13- 16 February 2013organized by National Translation Mission
	8.	Participated and chaired a session in the National Conference of Indian society of Psychiatric Nurses organized by West fort College of Nursing from 25-27 MARCH2013
	9.	Paper presented "Identification and Management of Dyslexia" Seminar on Learning Disabilities organized by School of Behavioural Sciences in Collaboration with Y's Men's Club, Kottayam. 23.1.2013.
	10.	Participated in the International conference on Global public Health and social work during 3-5 January 2013 organized by



	Rajagiri Institute of Social Sciences, Cochin, Kerala. 11. Attended Orientation and sensitization programme on Management and empowerment of person with multiple disabilities' organized by NIEPMD in collaboration with Inter University Centre for Disability Studies(IUCDS), M.G University, Kottayam on 13 th September. 12. Participated the Two day International Workshop on Search, Research, Present and Publish as organizer during 12 th and 13 th August 2013.
Dr. Razeena Padmam, Director 2013 - 2014	 Meeting of Experts panel on Disability- Govt. of Kerala on 3.12.2013. Attended the workshop on "GFATM- Project Experience" from 10.6.2013 to 13.6.2013 organized Tata Institute of Social Sciences, Mumbai'
	National Level
Prof. Dr. P.S Sukumaran	1. Resource Person, National Seminar on Mental Retardation – Empowering Professionals for Better Service. Nirmala Sadan Training College for Special Education, Muvattupuzha. 20 – 21, May, 2013.
2013 - 2014	 Attended International Workshop on Building up Research. School of Behavioural Sciences, Mahatma Gandhi University. 12 – 13, August, 2013.
	3. Attended, International Conference on Research Methodology and Scientific Writing. School of Behavioural Sciences, Mahatma Gandhi University. 20 – 21, December, 2013.
	4. Attended "Summit of Mind" – National Conference of Rehabilitation Professionals. Rehabilitation Council of India, New Delhi. 7 – 8, February 2014
	5. Resource Person, National Curriculum Workshop on Mental Retardation. SCERT, Thiruvananthapuram. 17 – 18, April 2013.
	State level
	6. Resource Person, M Ed Special Education (Mental Retardation) Curriculum Workshop. Department of Education, University of Kerala, Thiruvananthapuram. 15.04.2013.
	7. Resource Person, One day Seminar on Special education. St Joseph's Training College, Mannanam. 09.05.2013.
	8. Resource Person, Conference on Education of Children with Special Needs. DIET, Ernakulam. 20.06.2013.
	9. Resource Person, Curriculum Workshop on Mental Retardation. SCERT, Thiruvananthapuram. 11 – 12, July 2013.
	10. Resource Person, One day Seminar on Parent Involvement in the Education of Children with Mental Retardation. Deepthi DCMR Special School, Theekoy. 26.07.2013.
	11. Resource Person, One day Seminar on Role of Special Teachers



		in the Rehabilitation of the Mentally Challenged. District Special Teachers Association, Pathanamthitta. 05.09.2013.
	12.	Resource Person, Conference on Rehabilitation of Students with Mental Retardation. Department of Social Work, K. E. College, Mannanam. 18.10.2013.
	13.	Resource Person, Conference on Inclusive Education. DIET, Thiruvalla. $11 - 12$, November 2013.
	14.	Resource Person, Conference on Inclusive Education Project. DIET, Thiruvalla. 15.03.2014.
	15.	Resource person, Curriculum Workshop on Mental Retardation. State Resource Centre, Thiruvananthapuram. 19.03.2014.
	16.	Resource Person, Seminar on Issues in the Education of Children with Mental Retardation. Special Educators Association, Kozhikode. 22.03.2014.
	1.	Paper presented on Impact of M.R on Family, in the International conference on Research Methodology and scientific writing organized by School of Behavioural Sciences and Confederation of Epidemiological Association held on 21st and 22nd December 2013.
	2.	Presented a paper on Stress among Clergy, in the International conference on Research Methodology and scientific writing organized by School of Behavioural Sciences and Confederation of Epidemiological Association held on 21st and 22nd December 2013.
Dr. Rajeev Kumar N. Associate	3.	Presented a paper on Emotional and behavioural problems of children of orphanage in Kerala, in the International conference on Research Methodology and scientific writing organized by School of Behavioural Sciences and Confederation of Epidemiological Association held on 21st and 22nd December 2013.
Professor 2013-2014	4.	Presented a paper on Use of social media to explore the professional issues in the field of clinical psychology, in the International conference on Research Methodology and scientific writing organized by School of Behavioural Sciences and Confederation of Epidemiological Association held on 21st and 22nd December 2013.
	5.	Chaired two sessions in the International conference on Research Methodology and scientific writing organized by School of Behavioural Sciences and Confederation of Epidemiological Association held on 21st and 22nd December 2013.
	6.	Participated and presented a paper on stress among clergy in the Indian Orthodox Church in the UGC sponsored National Conference on enhancing Psychological well being held at department of psychology Bharathiar University, Coimbatore on 20-21 Feb. 2014.



meth studie 8. Atter Ment Feb2 Rama 9. Atter		Attended UGC sponsored National Workshop on Research methodology for academic Research held at School of Gandhian studies, MG University on 3 rd to 7 th Feb. 2014 Attended a two days workshop on mental Health Problems in Mental retardation, Identification and management held on 26-27 Feb2014. Organized by Department of Clinical Psychology Sri Ramachandra University, Chennai. Attended a two days workshop on Family and Marital Therapy	
	1.	held on 10-12 Oct. 2014. Organized by Department of Clinical Psychology Sri Ramachandra University, Chennai. P. T. Baburaj. Attended and presented papers on UGC sponsored	
Dr. Baburaj P.T,		National Seminar on "Learning disability" No child left behind. On 27-28 June 2013.	
Senior Lecturer 2013 - 2014	2.	Participated in the two day International conference on "current Trends in Public Health and Hospital Administration" modulation January 2014 by Divisional Health management, University College of medical education, M.G University, Kottayam.	
Dr. K.M Muhamed Mustaffa Asst. Professor 2013 - 2014	1.	International conference on Research Methodology and scientific writing organized by School of Behavioural Sciences and Confederation of Epidemiological Association held on 21st and 22nd December 2013.	
Mr. Rajesh E. Asst. Professor 2013-2014	1.	Participated the Two day International Workshop on Search, Research, Present and Publish as organizer during 12 th and 13 th August 2013.	
Rincymol Mathew,	2.	Presented paper on 'Emotional intelligence and perceived stress on B Sc Nursing students'. In the International Conference on Research Methodology and Scientific Writing. School of Behavioural Sciences and Confederation Epidemiological Associations, Kottayam. 21.12.2013. Presented paper on 'Hyper tension- the health risk concern'. International Conference on Research Methodology and Scientific Writing. School of Behavioural Sciences and Confederation Epidemiological Associations, Kottayam. 21.12.2013.	
Asst. Professor 2013-2014	3.	Organized 'World Health day' observation on 7th April 2013 at School of Behavioural Sciences, M.G University.	
	4.	Presented paper on the application of Evidence based Nursing – Seminar on Nursing Practice - University College of Nursing, Gandhinagar.	
	5.	Invited talk on Therapeutic Communication, delivered at Govt. College of Nursing, Kottayam.21.12.2013.	
	6.	Organized International Workshop on Building up Research, 11-13, August, 2013.	



	National Level		
	Resource Person, National Seminar Imperative for Learning to Live Tog College, Thiruvalla. 9 – 10, October	ether. Titus II Teachers	
	Chaired Paper Presentation Session 'Ageing Gracefully – a Multidiscipl Gandhian Thought and Development University. 24.11. 2014.	in the National Seminar on inary Perspective'. School of	
Prof. Dr. P.S Sukumaran	Presented Paper in the National Sem Educational Research for the 21 st Ce with Reflective Approaches. Avila C Edakochi. 05.12.2014	entury: Equipping Gen Next	
2014 - 2015	Resource Person, National Worksho and Data Analysis. Government Col Thiruvananthapuram. 16.12.2014.		
	Resource Person, National Seminar with Intellectual Disability – Probl Training College, Ottapalam. 06.02	ems and Prospects. NSS	
	Resource Person, National Seminar Inclusive Education of Children with Wayanad, Sultan Bathery. 27.03.20	n Special Needs. DIET,	
	te level		
	Resource Person, VHSE Curriculum Thiruvananthapuram. 11.04.2014.	Workshop. SCERT,	
	Resource Person, VHSE Curriculum Thiruvananthapuram. 24.04.2014.	Workshop. SCERT,	
	Resource person, Workshop on Reh Mental Retardation. State Resource Thiruvananthapuram. 25.04.2014.		
	Resource Person, VHSE Curriculum Thiruvananthapuram. $5-6$, May 2		
	Resource person, Workshop on Reh Mental Retardation. State Resource 23.05.2014.		
	Resource Person, VHSE Curriculum Thiruvananthapuram. 17.06.2014.	Workshop. SCERT,	
	Resource Person, Seminar on Resea Mahatma Gandhi University. 29.08.		
	Resource Person, Curriculum Works SCERT, Thiruvananthapuram. 20.0	•	
	Resource Person, One day Seminar Involvement in Special education. Mannackanad. 23.09.2014.	•	
	Resource Person, 'Inspire – an Invest Rehabilitation of the Mentally Chall	_	



		Mentally Challenged. Malappuram. 25.10.2014.
	11.	Resource Person, VHSE Curriculum Workshop. SCERT, Thiruvananthapuram. 30.10.2014.
	12.	Resource Person, VHSE Curriculum Workshop. SCERT, Thiruvananthapuram. 21.11.2014.
	13.	Resource Person, VHSE Curriculum Workshop. SCERT, Thiruvananthapuram. 1 – 2, December 2014.
	14.	Organized one day Seminar on National Trust Act, 1999 for the Parents of Individuals with Autism, Cerebral Palsy, Mental retardation and Multiple Disabilities. School of Behavioural Sciences, Mahatma Gandhi University. 15.12.2014.
	15.	Resource Person, VHSE Curriculum Workshop. SCERT, Thiruvananthapuram. 30 – 31, December 2014.
	16.	Resource Person, VHSE Curriculum Workshop. SCERT, Thiruvananthapuram. 14.01.2015.
	17.	Resource Person, Symposium on Issues of Mentally Challenged. State Institute for the Mentally Challenged, Thiruvananthapuram. 22.01.2015.
	18.	Convened an Orientation Seminar on New Regulations of Rehabilitation Council of India and National Council of Teacher Education for B Ed Special Education. School of Behavioural Sciences, Mahatma Gandhi University. 05.02.2015.
	19.	Resource Person, One day Seminar on Education of Differently Abled Children – Redefining the Role of Teacher Educators. St. Mary's College of Teacher Education, Thiruvalla. 13.03.2015.
	20.	Resource Person, Seminar on Education of Children with Intellectual Disability. National College for Teacher Education, Vengola, Perumbayoor. 25.03.2015.
Dr. Rajeev Kumar N. Associate Professor 2014-2015	1.	Delivered a talk on Psychology in 21 st century at the Microbiological Conference organized by department of Microbiology, SME, held on 8 th April 2015 at assembly hall M.G. university
	1.	Attended three days International Symposium on "Assistive Technology for Rehabilitation and Management" on 2-4 December 2014 at Thiruvananthapuram.
Dr. Baburaj P.T, Senior Lecturer	2.	Paper presented on 'Knowledge and attitude of Adolescent girls on sex education'. National Seminar on paradigms of educational research for the 21 st century equipping gen next relative approaches on 5 th and 6 th December 2014.
2014 - 2015	3.	Resource Person in the 25 th anniversary of UNCRC seminar on 15.12.2014 at BCM College, Kottayam.
	4.	Documentary film 'titled Retrofit car kit for physically Challenged" presented in the three-day International Symposium
	5.	Resource person for One day parents training programme for the



	6.	mentally challenged at Kollappilly, Pala on 20.12.2014. Resource Person: One day parents Training at Santhi Niketan
		Special School for mentally challenged, Anthinad, Pala on 10.02.2015
	7.	Presented paper on International 'Ear care day on 03.03.2015 at School of Behavioural Sciences, at School of Behavioural Sciences.
	8.	Presented paper by Priyachandra K and Dr. P.T Baburaj on Cochlear Implantation. International conference on "current Trends in Public Health and Hospital administration 'Medilian 2015' organized by Division of Health Management, School of Medical Education, Mahatma Gandhi University, Kottayam on 26 th o- 27 th March 2015.
	1.	Organized as Co-ordinator, Sree Narayana Guru Chair, Inauguration of the Sree Narayana Guru Chair on 5 th May 2014 at Assembly Hall, Mahatma Gandhi University.
	2.	Organized as Co-ordinator, Sree Narayana Guru Chair, Speech on Daivadashakom and Recitation of Guru Deva's Poetry at Kavi Kumara Mandir, Auditorium, Nagambadom on 27 th May 2014.
	3.	Organized as Co-ordinator, Sree Narayana Guru Chair, One Day State Level Silpasala on Personality Development for children held on 2 nd August 2014 at School of Biosciences Auditorium, M.G.University.
Mr. Rajesh E.	4.	Organized as Co-ordinator, Sree Narayana Guru Chair, Speech on Daivadashakom and Recitation of Guru Deva's Poetry at Neendoor Sree Narayana Auditorium on 24 th August 2014.
Asst. Professor 2014-2015	5.	Organized as Co-ordinator, Sree Narayana Guru Chair, Daivadashakom Rachana Varshikam Centenary Speech at Assembly Hall, Mahatma Gandhi University on 17 th November 2014.
	6.	Organized as Co-ordinator, Sree Narayana Guru Chair, Book Review and Discussion on the book "Sree Narayana Guru Dev: The Maharshi who made Advaitha a Science, written by G.K.Sashidharan (Former Vice-Chancellor, University of Calicut) held at School of Gandhian Thought and Development Studies, Auditorium, Mahatma Gandhi University on 30 th March 2015.
	7.	Participated in short course on Fundamentals of Biostatistics, Principles of Epidemiology and SPSS held during March 16-20, 2015, organized by Dept of Biostatistics, CMC, Vellore.
Rincymol Mathew, Asst. Professor 2014 – 2015	1.	Participated in the two days workshop on Graceful and meaningful ageing for senior citizens on 17718 th October 2014,at School of Gandhian Thought and Development Studies, M.G. university



National Level

- 1. Resource Person, National Conference on 'Vision 2020 Total Mainstreaming of Intellectually Challenged'. State Institute for the Mentally Challenged, Thiruvananthapuram. 22.04.2015.
- 2. Attended National Seminar of International Researchers of Indian Origin. St. Joseph Training College, Mannanam. 04.12.2015.
- 3. Resource Person, International Seminar on Inclusive Education Prospects and Challenges. St. John the Baptist's College of Special Education, Nedumkunnam. 27.01.2016.

State level

- 4. Convened Core Committee Meeting of B Ed Special Education (Mental Retardation) for the Curriculum Revision. School of Behavioural Sciences, Mahatma Gandhi University. 23.04.2015.
- 5. Resource Person, Seminar in connection with Down Syndrome Day. Alan Foundation, Changanchery. 06.06.2015.
- 6. Convened Core Committee Meeting of M Ed Special Education (Mental Retardation) for the Curriculum Revision. School of Behavioural Sciences, Mahatma Gandhi University. 24.06.2015.
- 7. Organized one day Orientation Programme for Research Scholars. School of Behavioural Sciences, Mahatma Gandhi University. 25.06.2015.
- 8. Resource Person, Curriculum Workshop on M Ed Special Education (Mental Retardation). Department of Education, University of Kerala, Thiruvananthapuram. 30.06.2015.
- 9. Delivered Inaugural Address, Workshop on 'Novum Scientia on Creating a New Culture of Teaching and Learning'. Government College of Nursing, Kottayam. 25.07.2015.
- 10. Resource Person, One Day Seminar on Special Education. Teacher Training Institute, Chalakudy. 05.08.2015.
- 11. Resource Person, Workshop on Research Methodology and Statistics. K V M College of Special Education, Cherthala. 07.09.2015.
- 12. Convened a Symposium on Restructured Curriculum of B Ed Special Education (Intellectual Disability). School of Behavioural Sciences, Mahatma Gandhi University. 10.09.2015.
- 13. Resource Person, Workshop on Research Methodology and Statistics. IUCDS, Mahatma Gandhi University. 16.09.2015.
- 14. Chief Guest, Felicitation to Winners of Paralympics. Holy Cross Special School, Mannackanad, Kuravilangad. 19.09.2015.
- 15. Resource Person, Expert Committee Meeting on Research Project on Mental Retardation. Convened by Chief Minister, Secretariat, Thiruvananthapuram. 21.10.2015.
- 16. Resource Person, One Day Seminar on Rehabilitation of the Differently Abled. Mispah Pariseelana Kendra, Kayamkulam. 20.11.2015.

Prof. Dr. P.S Sukumaran 2015 - 2016



1.	Gandhi University. 11.05.2016. Served as a resource person in the national Seminar on
28.	Convened University Research Committee Meeting, Mahatma
	Chaired the Board of Studies Meeting. School of Behavioural Sciences, Mahatma Gandhi University. 29.04.2016.
26.	Chaired Curriculum Workshop. School of Behavioural Sciences, Mahatma Gandhi University. 28 th & 29 th April 2016.
25.	Resource Person, Seminar on Statistical Analysis. Department of Psychology, Jointly organized by K E College, Mannanam and School of Behavioural Sciences, Mahatma Gandhi University. 22 nd & 25 th April 2016.
24.	Chaired the Board of Studies Meeting, School of Behavioural Sciences, Mahatma Gandhi University. 13.04.2016.
23.	External Subject Expert, Assessment Committee for the Up gradation of UGC JRF to UGC SRF. University of Kerala, Thiruvananthapuram. 07.04.2016.
22.	Convened Parent Teacher Association Meeting. School of Behavioural Sciences, Mahatma Gandhi University. 08.03.2016.
21.	Convened Meeting of Researchers' Forum. School of Behavioural Sciences, Mahatma Gandhi University. 26.02.2016.
20.	Resource Person, Seminar on Indian Perspectives of Education. Saraswati Vidya Mandir, Kunnukara. 13.02.2016.
19.	Chief Guest, Convocation of Diploma in Special Education (Autism). Kusumagiri Training Institute for Special Education, Kakanad, Ernakulam. 25.01.2016.
	Functionaries of Central and State Government, Local Bodies and Other Service Providers. State Institute for the Mentally Challenged, Thiruvananthapuram. 02.12.2015.
	Resource Person, Silver Jubilee Seminar of Marion Play Home- Special School for the Children with Mental Retardation, Mannanthala, Thiruvananthapuram. 28.11.2015. Resource Person, In service Training and Sensitization of Key



	_	Au-ud-dd-dd-dd-dd-dd-dd-dd-dd-dd-dd-dd-dd
	5.	Attended the three days workshop on clinical Hypnosis; basic and beyond organized by department of clinical psychology Sri Ramachandra University Chennai on 12-14 June 2015.
	6.	Delivered a talk in the training programme on independent living for persons with PDD held at Pratheeksha training centre, Thrissur on 6/01/2016
	7.	Attended two days national seminar on relevance of Yoga in modern life organized by centre for yoga and naturopathy M G University on 18-19 March 2016
	1.	Organized Two day National Conference on 'Models of Best Practices in Rehabilitation for the empowerment of persons with Disabilities on 16-17, October 2015.
Dr. Baburaj P.T, Senior Lecturer 2015 - 2016	2.	Presented paper by Daisy Philip and Dr. P.T Baburaj on Knowledge of Hearing Impaired Adolescent Girls on Sex Education. Two day National Conference on Models of Best Practices in Rehabilitation for the empowerment of persons with Disabilities on 16-17, October 2015. IUCDS, Mahatma Gandhi University.
	3.	Presented paper by Chothisha K.S and Dr. P.T. Baburaj on Advancement of Assistive Devices for physically challenged. Two day National Conference on Models of Best Practices in Rehabilitation for the empowerment of persons with Disabilities on 16-17, October 2015. IUCDS, Mahatma Gandhi University.
	4.	Presented paper by Nisha T.S and Dr. P.T. Baburaj – Evolution of Hearing Aid. Two day National Conference on Models of Best Practices in Rehabilitation for the empowerment of persons with Disabilities on 16-17, October 2015. IUCDS, Mahatma Gandhi University.
	5.	Presented paper by Dr. P.T. Baburaj and Priyachandra K A study on Expectations and academic achievement of children with hearing impairment. Two day National Conference on Models of Best Practices in Rehabilitation for the empowerment of persons with Disabilities on 16-17, October 2015. IUCDS, Mahatma Gandhi University.
	6.	Attended Seminar on 'Persons with Disabilities' organized by Institute for Person Centred Approach, St. Joseph's College, Moolamattom on 25-26, November 2015.
	7.	Organized One day Seminar on 'Access and Empowerment of People with all Disabilities' on World Disability Day (3.12.2015).
	8.	Attended Seminar on 'Persons with Disabilities' organized by Institute for Person Centred Approach, St. Joseph's College, Moolamattom on 25-26, November 2015.
	1.	Presented paper on Models of best practices in the National Conference organized by National Institute of Empowerment of Persons with Disabilities, IUCDS and School of Behavioural



		Sciences on 16-17, September 2015.
	2.	Coordinated Two Weeks Continuing Rehabilitation Education
	۷.	Refresher Course on Braille from 26.09.2015 – 10.10.2015.
	3.	Presented a Project on Exclusive tendency in Inclusive Education, at Sarva Siksha Abhiyan (SSA), Govt. of Kerala on 07.10.2015.
	4.	Presented theme paper in the observation of World Deaf Day on 11.10.2015.
5. Delivered Exter		Delivered Extension Lecture at University of Calicut, organized by Dept. of Life Long Learning and Extension on 17.10.2015.
	6.	Paper presented on Trends and Development in Sign Language Interpretation, at the Seminar held on 10.11.2015 in the School of Behavioural Sciences.
Dr. K.M Muhamed Mustaffa Asst. Professor 2015 - 2016	7.	Presented paper by Dr. Arya Mohan and Dr. Muhamad Mustaffa. On An analytical study on the effect of Homoeopathic Medicines in the management of conduct disorders. International Conference on Standards and Benchmarks for excellence in learning, teaching and research, organized by All India Association for Educational Research, Dept. of Education, University of Kerala, Thiruvananthapuram, 26-28, November, 2015.
	8.	Presented paper by Gayathri Devi M.S and Dr. Muhamad Mustaffa on Awareness and attitude of students of M.G University towards the persons with Disabilities and their special needs. International Conference on Standards and Benchmarks for excellence in learning, teaching and research, organized by All India Association for Educational Research, Dept. of Education, University of Kerala, Thiruvananthapuram, 26-28, November, 2015.
	9.	Presented paper by Jibin George and Dr. Muhamad Mustaffa on A study on attitude of psychiatrists, clinical psychologists and special educators towards specific learning disabilities. International Conference on Standards and Benchmarks for excellence in learning, teaching and research, organized by All India Association for Educational Research, Dept. of Education, University of Kerala, Thiruvananthapuram, 26-28, November, 2015.
	10.	Presented paper by Dr. Remya R and Dr. Muhamad Mustaffa on An analytical study on the effect of Homoeopathic Medicines in the Academic achievement of students with specific learning disorders. International Conference on Standards and Benchmarks for excellence in learning, teaching and research, organized by All India Association for Educational Research, Dept. of Education, University of Kerala, Thiruvananthapuram, 26-28, November, 2015.
Mr. Rajesh E.	1.	Darshanika seminar held at Elavanthitta on 15-6-2015
Asst. Professor	2.	Shilpasala on Family Integrity in Gurudeva's vision on 3-7-2015
2015 - 2016	3.	Shilpasala on Leadership for children & youth held on 1-8-2015



	4.	Seminar on Gurudeva's vision on Religion held at Press Club Hall, Trivandrum on 16-10-2015
	5.	Conducted Shilpasala on Creativity for children & youth held on 31-10-2015
	6.	Participated the Three day Workshop on Empowering teachers in mentoring and student counseling organized by School of Behavioural Sciences, M.G. University on 29 th ,30 th &31 st March 2016.
	7.	Participated in the one day workshop on NAAC Accreditation Process held at SPAP Auditorium conducted by IQAC of M.G. University on 12 th April 2016.
	8.	Participated in the two day workshop on Curriculum Revision conducted by School of Behavioural Sciences, M.G. University on 28 th & 29 th April 2016.
	9.	Participated in the one day workshop on Research Methodology: Tool Construction and Test Standardisation on 8 th July 2016 conducted by IUCDS, M.G. University.
	10.	Participated in the national level hands-on-training workshop on Structural Equation Modelling [SEM] using IBM SPSS AMOS conducted by Christ University, Bangalore during 2016 September 28-30 at Nodal Office Trivandrum.
	1.	Delivered a lecture on 'Challenges of Adolescence' for the students of Model Residential School, Ettumanoor on 20.12.2015.
	2.	Acted as Resource Person and took a class on 'Personality Development' for the student police cadets, AJ John Memorial Govt. High School, Thalayolaparambu on 21.12.2015.
	3.	Delivered a lecture on 'Graceful Aging' to the senior citizens, organized Y's Men's Club, Kottayam on 09.10.2015.
Rincymol Mathew,	4.	Participated the Three day Workshop on Empowering teachers in mentoring and student counseling organized by School of Behavioural Sciences, M.G.University on 29 th ,30 th &31 st March 2016.
Asst. Professor 2015 - 2016	5.	Participated in the one day workshop on NAAC Accreditation Process held at SPAP Auditorium conducted by IQAC of M.G. University on 12 th April 2016.
	6.	Participated in the two day workshop on Curriculum Revision conducted by School of Behavioural Sciences, M.G. University on 28 th & 29 th April 2016.
	7.	Presented paper in the National Conference organized by National Institute of Empowerment of Persons with Disabilities, IUCDS and School of Behavioural Sciences on 16-17, September 2015.
	8.	Attended two days national seminar on relevance of Yoga in modern life organized by centre for yoga and naturopathy M G University on 18-19 March 2016

28. Student projects

Percentages of students who have done in-house projects including inter departmental projects.	• 10%
Percentage of students doing projects in collaboration with other universities/industry/institute.:	90% (The research projects are conducted outside the campus. The data are collected from the institutions like special schools, orphanages, destitute homes, jails, juvenile homes, colleges, hospitals, rehabilitation centers, etc.)

29. Awards/recognitions received at the national and international level by

a) Faculty

Name of the faculty	Details
Dr. Razeena Padmam	Mahila Thilakom award instituted by Govt. of Kerala
Dr. P.T Baburaj:	Best poster presentation award in the International Conference on Inclusive Education, Jan 11&12,2012 organized by the Department of social work, Assumption College Changanacherry, Kerala
Ms. Rincymol Mathew:	1. Best poster presentation award in the UGC sponsored National Seminar on Ageing and Society, on 4&5 October, 202 organized by ST. Theresa's College, Ernakulum, Kerala. 2. Best poster presentation award in National Conference on Models of Best Practice in Empowerment of Persons with Disabilities, !6-17, October 2015, jointly organized by the National Institute for Empowerment of Persons with Disabilities, Rehabilitation Council of India, and School of Behavioural Sciences, Mahatma Gandhi University, Kottayam, Kerala
Sri. Rajesh E	Public service award awarded by Confederation of Epidemiological Associations, (CEA) India

b) Doctoral/post-doctoral fellows

Name of the Doctoral / post-doctoral fellows	Details
Dr. Ameer Hassan	Dr. S. Radhakrishnan PDF Fellowship, UGC,
	New Delhi

c) Student: Nil



30. Seminars/Conferences/Workshops organized and the source of funding, (national/international) with details of outstanding participants, if any:

Sl. No	Seminar/Conference/Workshop	Funding agency	Outstanding Participants
1	International Workshop on Building up Research, 11-13, August, 2013. Convenor -Ms. Rincymol Mathew)	M G University	Dr. Jayadevan Sreedharan, Research Division, Gulf Medical University, UAE. Dr. Jayakumari, Gulf Medical University, UAE.
2	International Conference on Research Methodology and Scientific Writing. 20-22, December, 2013. (Convenor – Mr. Rajesh)	ICMR, Govt. of India DST, Govt. of India	Dr. Padam Simkada, University of Sheffield, UK. Dr. Rama C. Nair, University of Ottawa, Canada Dr. R.J Yadav, Director Grade Scientist, ICMR.
3	Symposium on Enhancing Quality of Research. 25.6.2015 (Convenor – Dr. P. S.Sukumaran)	M G University	Dr. Beena Mathew Dr. Roshan Bijlee Dr. Subhadra
4	Workshop on Research Methodology and Statistics. 16-18, September 2016 (Convener - Dr. P. T. Baburaj). Organized through IUCDS.	M G University	Dr. Sarasa Dr. Remani Dr. Shaju Sebastian
5	Two Weeks Orientation Workshop on Braille (English & Malayalam) for General School Teachers in Collaboration with Regional Centre of National Institute for the Visually handicapped, Chennai. 25.09.2015 to 10.10.2015 (Convenor – Dr. K. M. Mustaffa)	M G University	Dr Srinivasan, Associate Professor, NIVH. Mr. Hari, H M., Govt. School for the Blind, Olassa, Kottayam.
6	Workshop on Rorschack- Psychological testing. 28-29, September 2015 (Convenor – Dr. Rajeevkumar N.)	M G University	Dr. Sureshkumar M
7	Workshop on Learning Disability. 15.02.2016 (IUCDS) (Convenor – Dr. P. T. Baburaj)	M G University	Dr. Anilakumar M. C.
8	Workshop on Cognitive Behaviour Therapy. 22-24, March 2013. (Convenor – Dr. Rajeevkumar N.)	M G University	Dr. Prasanth Kumar Roy
9	Empowering Teachers in Mentoring and Student Counselling. 29-31, March 2016. (Dr. Rajeevkumar N)	M G University	Dr. Rangaiah Dr. Girish
10	National Conference on Models of Best Practice in Empowerment of Persons with Disabilities. !6-17, October 2015. (Convenor – Dr. P. T. Baburaj)	National Institute for the Empowerment of Persons with Multiple Disabilities, Chennai.	Dr. Himanshu Das Dr. Rajesh Ramachandran Dr. Jayaraj N. Dr. Neeraja Dr. Dr. K. Balabhaskar Mr. Sankaranarayanan Mr. Nachiketh Rout



Mahatma Gandhi University

	N 10 . N.		
11	National Seminar on Management of Learning Disabilities. 22.03.2011. (Convenor – Mr. Rajesh E.)	M G University	Dr. Sany Varghese Dr. V. V. Joseph
12	Workshop on Learning Disability. 28-29, June2016 (Convenor – Dr. P. T. Baburaj)	M G University	Dr. Roshan Bijlee Dr. sethu Madhavan Dr Suresh Kumar M.
13	Workshop on Curriculum Revision. 28-29 April 2016. (Convenor – Dr. P. S. Sukumaran)	M G University	Dr Elsheba Mathew Dr Sobha Bhat Dr Jayakumar P R Dr Beena Mathew Dr (Sr) Mary Lucita
14	Workshop on BEd Special education Curriculum Revision On 23.04.2015 (Convener Dr. P. S. Sukumaran)	M G University	Dr (Sr) Glory Sr. Jeesa Grace Fr. Johnson Mathew Sr. Divya Mr. Boby Mathew Mr. Jini Dan
15	Workshop on M.Ed Special education Curriculum Revision On 24.06.2015 (Convener Dr. P. S. Sukumaran)	M G University	Dr (Sr) Glory Sr. Jeesa Grace Fr. Johnson Mathew Sr. Divya Mr. Boby Mathew Mr. Jini Dan
16	Seminar on National Trust Act, 1999 and Legal Guardian ship for the parents of individuals with Autism Cerebral palsy mental retardation and multiple disabilities, 15.12.2014(Convener Dr. P. S. Sukumaran)	M G University	Sri.Ajithkumar,IAS Sri.Sureshkumar Sri.PB.George Sri.Mohandas
17	Orientation Course in Indian Sign Language, 11 th – 13 th November 2015(Convener Dr. Muhammad Mustaffa)	School of Behavioural Sciences	Mr. Rajeevan, ISL, instructor. Sri.Neil,Mumbai
18	Refresher Course on Braille 26.8.2015 – 10.09.2015(Convener Dr. Muhammad Mustaffa)	School of Behavioural Sciences	Prof.Sreenivasan, Dr. Sreepriya.
19	One day Seminar on "Inclusion Matters: Access and Empowerment of People with all Disabilities". 03.12.2015 (IUCDS). (Convenor – Dr. P. T. Baburaj	M G University	Mr. Anish Mohan Mr. Mathew Kanamala

31. Code of ethics for research followed by the departments:

Department has a Doctoral Committee and Department Ethics Committee with members selected from various disciplines including Law, for the conduct of research. In addition to this proper conduct of research work is ensured by the Doctoral Committee of the



Department. Each applicant to the research programme is required to present the synopsis which is evaluated by the Department Doctoral Committee. The committee makes a comprehensive evaluation of the relevance and quality of the work and suggest modifications when necessary. Only the work approved by the Committee is submitted for registration. At the commencement of the work itself, an orientation is given to each scholar regarding the work schedule, biennial presentation of progress report, etc. The Supervising teacher ensures that transparency is observed in data collection, analysis and reporting of the research findings. The Supervising teacher also ensures that plagiarism is avoided and the research work is original. In the written report of the research work it is mandatory to attach all relevant documents regarding the tool, consent from the concerned authorities, data collection tool etc. Before the submission of the final research report the student presents the work before public and any objection or suggestions given by the audience are appropriately addressed in the final draft. The guidelines issued by UGC are strictly followed in the registration, conduct and award of research degree.

32. Student profile programme-wise.

2011-12

Name of the Programme	Applications	Selected		Pass percentage	
(refer to question No.4)	received	Male	Female	Male	Female
M.Sc Disability Studies and Rehabilitation Sciences.	23	05	06	100	100
M.Sc Psychology	36	03	04	100	100
M.Phil Psychology	26	01	03	100	100
M.Phil Special Education and Rehabilitation Sciences	27	0	4	-	100
M.Phil Behavioural Medicine and Rehabilitation	19	0	03	-	100
M.Phil Behavioural Sciences and Rehabilitation Nursing.	12	01	0	100	0
Ph.D.	31	02	17	NA	NA



(2012-13)

		Sele	ected	Pass pe	rcentage
Name of the Programme (refer to question No.4)	Applications received	Male	Female	Male	Female
M.Sc Disability Studies and Rehabilitation Sciences.	26	03	07	100	90
M.Sc Psychology	22	0	03	-	66.66
M.Phil Rehabilitation Psychology	7	01	03	100	100
M.Phil Special Education and Rehabilitation Sciences	6	03	01	100	100
M.Phil Behavioural Medicine and Rehabilitation (PT)	5	0	01	-	100
M.Phil Behavioural Medicine and Rehabilitation (FT)	3	02	0	50	
M.Phil Behavioural Sciences and Rehabilitation Nursing.	3	0	02	0	100

(2013-14)

Name of the Duamento	Ammliaatiama	Se	lected	Pass pe	ercentage
Name of the Programme (refer to question No.4)	Applications received	Male	Female	Male	Female
M.Sc Disability Studies and Rehabilitation Sciences.	30	06	03	0	33.3
M.Sc Psychology	29	03	04	100	100
M.Phil Rehabilitation Psychology	9	01	03	0	66.66
M.Phil Special Education and Rehabilitation Sciences	9	01	03	100	75
M.Phil Behavioural Medicine and Rehabilitation (PT)	6	02	02	0	100
M.Phil Behavioural Medicine and Rehabilitation (FT)		01	0	100	0
M.Phil Behavioural Sciences and Rehabilitation Nursing.	10	0	04	0	100
Ph.D.	26	04	07	NA	NA

(2014-15)

_		Selected		Pass percentage	
Name of the Programme (refer to question No.4)	Applications received	Male	Female	Male	Female
MSc Disability Studies and Rehabilitation Sciences.	35	03	02	NA	NA
MSc Psychology	55	0	05	0	100
Ph.D.	24	05	05	NA	NA

(2015-16)

		Se	lected	Pass pe	ercentage
Name of the Programme (refer to question No.4)	Applications received	Male	Female	Male	Female
MSc Disability Studies and Rehabilitation Sciences.	34	01	07	NA	NA
M.Sc Psychology	113	0	07	NA	NA
M.Phil Rehabilitation Psychology	07	0	04	100	100
M.Phil Special Education and Rehabilitation Sciences	08	01	02	100	50
M.Phil Behavioural Medicine and Rehabilitation (PT) M.Phil Behavioural Medicine	05	03	01	NA	NA
and Rehabilitation (FT)	06		04	0	75
M.Phil Behavioural Sciences and Rehabilitation Nursing.	06	0	04	0	75
Ph.D.	16	04	07	NA	NA
P.G. Diploma in Indian Sign Language	13	05	07	100	100



33. Diversity of Students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries		
	P G PROGRAMMES					
2010	68	32	-	-		
2011	84	16	Nil	Nil		
2012	85	15	-	-		
2013	62	38	-	-		
2014	43	43	-	14		
2015	42	58	-	-		
2016	-	94	-	6		
	M. 1	Phil PROGRAMMES				
2010	40	27	27	6		
2011	69	23	8	-		
2012	69	8	23	-		
2013	52	24	24	-		
2014	-	-	-	-		
2015	58	42	-	-		
2016	42	50	8	-		
	Ph	.D PROGRAMMES				
2010	-	-	-	-		
2011	30	30	40	-		
2012	43	29	14	14		
2013	36	28	36	-		
2014	-	-	-	-		
2015	100	-	-	-		
2016	92	8	-	-		



34. How many students have cleared Civil Services and Defense Services examination, NET,SET, GATE and other competitive examinations? Give details category-wise-list of students passed:

(2010-16)

Sl.No	Year	NET/ JRF Qualified	GATE	SET	Others
1.	2010-11	-	-	-	-
2.	2011-12	3	-	-	-
3.	2012-13	7	-	-	-
4.	2013-14	7	-	-	-
5.	2014-15	2	-	-	-
6.	2015-16	-	-	-	-
7.	Total	19			

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	25
PG to Ph.D.	10
Ph.D. to Post- Doctoral	100
Employed	
Campus selection	80
Other than campus recruitment	80
Entrepreneurs	1

36. Diversity of Staff:

Percentage of faculty who are graduates			
Of the same university	17%		
From other universities within the state	66%		
From universities from other State from	17%		
Universities outside the country	0%		



37. Number of faculty who were awarded M.Phil; Ph.D, D.Sc and D.Litt. during the assessment period: 2

Name of the Faculty	Degree awarded	Details
Dr. Muhammad Mustaffa	Ph. D	Vinayaka Mission University, Tamilnadu
Dr.P. T. Baburaj	Ph. D	University of Calicut

38. Present details of departmental infrastructural facilities with regard to

1	Library	Available, 3347 books available
		(cost:Rs.3203410)
2	Internet facilities for staff and students	Available
3	Total number of class rooms	7
4	Class rooms with ICT facility	4
	Students' laboratories	2
5		Psychology lab, Audiology lab
6	Research laboratories	Nil

39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university

Doctoral: 26

Guide	Name
Dr. M.S Razeena Padmam,	1. Dr.Roshan Bijlee K.N
(Rtd.) Director & Professor in Psychology.	2. Ms. Sreeja S
(Ph.9447040976)	

Dr. P.S Sukumaran, (Professor& Director) in Special Education (Ph.9495684883)	 Ms. Sandhya Govindan Manoj R Aby Daniel A Jayani. A Ambady K.G. Dr.Jayakumar P.R
Dr. N Rajeevkumar, Associate Professor in Psychology	9. Ms. Divya Rose Peter 10. Boban Eranimos
Dr.Baburaj P.T, Senior Lecturer. (Ph.9495213248)	11. Ms. Anitha M Thomas 12. Ms. Nisha T.S 13. Ms. Daisy Philip 14. Ms. Priyachandra K 15. Ms. Chothisha K.S 16. Ms. Sulekha A.T 17. Dr. Sunilkumar B.S 18. Jismy Joseph 19. Anjaly K.S 20. Geethakrishnan P.K.
Dr. Muhammad Mustaffa, Assistant Professor.(Ph.9946226638)	21. Mr. Rajesh E 22. Mr. Jibin George 23. Ms. Gayathridevi 24. Mrs. Ambika E.T 25. Manju P. Emmanuel
Dr.Elsheba Mathew, (Rtd Lecturer) (Ph.9495063619)	26. Girija S

b) From other institutions/universities,

Doctoral: 40

Guide	Name
Dr. M.S RazeenaPadmam	1. Dr. Ganga G Kaimal
Dr. P.S Sukumaran, (Professor& Director) in Special Education (Ph.9495684883)	2. Rohini U. K. Nair



Mahatma Gandhi University

D MD: T	
Dr. N Rajeev Kumar, Associate	2 Ma Dalahi Mania aran
Professor in Psychology	3. Ms. Rakhi Manjooran
(Ph.9995041288)	4. Ms. Rajani G
	5. Ms. Shazia Noorin Bin Zyed Musthafa
	6. Dr. Harihara Iyer
	7. Dr. Smitha R Menon
	8. Ms. Mini Paul
	9. Deepa Merin Kuriakose
Dr.Baburaj P.T, Senior Lecturer.	10. Ms. Shibu Puthenparambil
(Ph.9495213248)	11. Sindhumol N.T
Dr. Muhammad Mustaffa,	12. Mr. Paul James
Assistant	13. Sini James
Professor.(Ph.9946226638)	
Dr.M.K.Mathew,	14 Ma Caray Thomas
Associate	14. Mr. Soney Thomas
Professor(Ph.9447112718)	15. Ms. Chinchu Rani Vincent
11010001(111.)44/112/10)	16. Mr. Johnson Joseph
	17. Ms. Sajitha S
	18. Mr. Suvrad
	19. Ms. Hema
	20. Ms. Rincymol Mathew
Dr. Agassa K.S (Sr. Mary Lucita)	21. Mr. Sibin M.B
(Ph.9847347445)	22. Ms. Haseena T.K
	23. Ms. Sherlymol Antony
	24. Ms. Yamuna Jose
	25. Ms. Simmy M Varkey
	26. Ms. Anu George Varghese
	27. Ms. Omana M.P
	28. Dr. Remani
	29. Dr. Sarasa
	30. Mrs. Reethamma N.T
Dr.Jayan, Professor	31. Ms. Nandini M
(Ph.9446405056)	32. Ms. Suja Mathew
, , , , , , , , , , , , , , , , , , ,	33. Mr. Vipin V. Roldant
	34. Ms. Ranjini P.R
	35. Ms. Vineetha
	36. Ms. Sherly Alex
	37. Ms. Shimmy V.S
Dr.Elsheba Mathew, (Rtd	38. Ms. Mercy Jacob
Lecturer)	39. Ms. Nirmal Jose
(Ph.9495063619)	40. Ms. Tessy Grace Mathew
(111.7 17.000.017)	10. 1015. Tobby Grace Maniew



• Post-doctoral-1

Guide	Name
Dr. N Rajeev kumar, Associate Professor in Psychology	Dr. Ameer Hassan

40. Number of post graduate students getting financial assistance from the university:

Period 2010-2016

Fellowship		2011-12 Number				2015-16 Number
E grants	19	22	20	20	15	11

41. Was any need assessment exercise undertaken before the development of new. programme(s):

If so, highlight the methodology: Yes. Review of available literature, informal and formal discussions with various stakeholders, analysis of the collected information in the department faculty council are done before an academic programme is proposed. The aim and objectives of the course is submitted with the proposed syllabus for approval by academic and administrative sanction.

42. Does the department obtain feedback from

a.	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	Yes. The criticism and suggestions of each faculty with regard to each of the academic programme is presented and discussed in the Department Faculty Council. The recommendations of the faculty council are submitted to the Board of Studies for appropriate actions when necessary.
b.	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	Yes, The feedback received from the students are compiled and discussed in the meeting of Department Faculty Council.
c.	Alumni and employers on the programmes offered and how does the department utilize the feedback?	Yes, The feedback obtained from the the alumni and employers are presented and discussed in the Department Faculty Council. The suggestions are incorporated in the curriculum when possible with the approval of faculty council .The recommendations of the faculty council are submitted to the Board of Studies for appropriate actions when necessary.



43. List the distinguished alumni of the department (Maximum 10):

Sl No.	Name	Current Position	
1.	Dr. Babu George	Director, Child Development Centre,	
		Thiruvananthapuram	
2.	Dr.Elsheba Mathew	Associate Professor, Pushpagiri Medical college,	
۷.		Thiruvalla	
3.	Sr.Gilbert	Secretary, Trained Nurses Association of India,	
	Dr.Roshan Bijlee	Director, Composite Regional Centre, National	
4.		Institute of Empowerment of	
		Persons with Multiple Disabilities, Kozhikode	
5.	Dr. Sr. Glory	Principal, Nirmala Sadan College of Special	
J.		Education, Muvattupuzha.	
6.	Dr. T. U.	Professor, Pushpagiri Medical college, Thiruvalla	
0.	Sukumaran	1 Tolessor, 1 ushpagni Wedicai conege, 1 mruvana	
7.	Dr. Savida,	Superintendent, Institute of Child Health, Govt.	
7.		Medical College, Kottayam.	
8.	Dr. Valsamma	Principal, Govt. College of Nursing, Kottayam	
	Joseph	1 Thicipal, Govt. Conege of Nurshig, Kottayani	
9.	Dr. Sreedevi T. R	Associate Professor, Govt. College of Nursing,	
	Di. Siccuevi I. K	Kottayam	
10.	Dr. Kumari S. Girija	Principal, NSS Training College, Changanacherry	

44. Give details of student enrichment programmes (Special lectures/workshops/seminar):

Involving External Experts classes and seminars are organised regularly. Remedial classes for students who require individual attention are arranged, every day 2 hours are allotted for tutorials. Debates are organised on relevant issues like gender equality, Rights of women etc. Special lectures by eminent persons in the field were organized. Two such lectures are listed below

- 1. Special lecture on 2nd January 2012 by Pavan J Antony, Assistant Professor, Adalphi University, U.S.A on the theme International issue, laws and policies in Special Education.
- 2. Special lecture on Project identification by Sri. George Joseph Julian, Senior consultant, SWASTI, Bangalore on 15/03/2013

45. List the teaching methods adopted by the faculty for different programmes.

Lecture, discussion, demonstration, role play, simulation, field visit, and seminars are used for all academic programmes. Flipped class room ,use of open source software like Edmodo also are employed to make learning more learner friendly and effective. The



students are sent to the respective clinical area for internship where they will get maximum practical experience to reinforce their theoretical knowledge and to develop required skill.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Feedback is taken from staff and students. Staff and students meet bimonthly to discuss common academic matters. Faculty council meetings are conducted regularly and at request when relevant issues are to be addressed.

47. Highlight the participation of students and faculty in extension activities.

All national and relevant International days are observed organizing special lectures, seminars, poster exhibitions etc.

The various curricular co curricular and extracurricular activities of School focus on extending the services to the community and learning with active involvement in community development. The faculty and students are engaged in disseminating knowledge regarding health promotion, disability prevention, identification and management in the community through the organization of seminars, conduct of invited lectures ,organization of sensitization programmes in the nearby educational institutions, hospitals. etc. A list of such activities is given below.

2011-12	 Observed world human rights day on organising seminar and debate on the theme Human rights in a democratic society (10/12/2015) Observed white cane day and organised an experience sharing session with teachers of blind school on 15/10/2013 Conducted a field visit to Navajeevan Charitable Trust, A voluntary organisation working for the rehabilitation on National Mental Health Day on 10/10/2015 Organised poster exhibition in the Neighbouring school on drug addiction on 26/06/2013 Conducted an exhibition on assessment of disabilities and rehabilitation of differently abled in connection with the bookfare INBOFA organised by University Main Library (2012)
2012-13	 Exhibition on Disabilities and Rehabilitation on 03.12.2012 Observed the World Deaf day, and organized a screening camp for hearing impairment and distributed hearing aids free of cost to eligible children with support of NISH, Trivandrum on September 2012. One day national conference on "Inclusive Education on 26.3.2013 One day Seminar on class room management of students with learning disabilities.



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2013-14	1. Organized Seminar on Psychosocial and Legal Aspects of
	Women Harassment, School of Behavioural Sciences
	(31.1.2013) for the public
	2. One day seminar on autism on 2.4.2013
	3. Organised poster exhibition cum seminar on hypertension
	on 29.9.2013
	Organized Quiz and essay writing competition on vector
	borne diseases on 7.3.2015
	2. Conducted Symposia on AIDS on 1.12.2014
	3. Conducted poster exhibitions and role play on control of
	communicable diseases.
2014-15	4. Explained and demonstrated hand washing techniques to
2014-13	the inmates and employees of the university crèche.
	5. Observed ear care day on 03/03/2015
	6. Organised seminar on Physical fitness on 10/03/2015
	7. Observed world health day on 7/4/2014
	8. Organised seminar on Dementia on 21/09/2015
	9. Organised a seminar on technology adaptation for
	physically disabled persons on 03/12/2014
	1. Demonstration and role play on World Health
	Day.07.04.2015
	2. Symposium on World Environment Day. Jointly organized
	with the Campus Unit of NSS. 05.06.2015.
	3. Symposium on Enhancing Quality of Research. 25.
	06.2015.
	4. Poster Exhibition and Quiz competition on 01.07.2015
	observing World Autism Day.
	5. Symposium on Behaviour Therapy for Children with Mental Retardation. 15.07.2015.
	6. Symposium on Transactional Analysis. 22.07.2015.
	7. Symposium on Stress Management. 29.07.2015.
	8. Seminar, Multimedia Exhibition and Book Display on 'A P
	J Abdul Kalam, the Legend'. 6 - 7, August, 2015.
2015-16	9. Symposium on Introduction to Indian Sign Language.
	05.08.2015.
	10. Orientation Workshop on Braille – English and Malayalam
	to General School Teachers.
	11. Organized in Collaboration with Regional Centre of the
	National Institute for the Visually Handicapped,
	Chennai.25.09.2015 to 10.10.2015
	12. Workshop on Rorschach. 28 – 29, September, 2015.
	13. Observation of International Deaf day. 29.09.2015.
	14. Symposium on Indian Classical Dance – Effect on Mind
	and Body. 07.10.2015.
	15. Poster Exhibition in connection with Observation of World
	Mental Health Day.10.10.2015.
	16. Seminar on Trends and Developments in Sign Language
	Interpretation on 10.11.2015.



- 17. Orientation on Indian Sign Language to Teachers. 12 14, November, 2015.
- 18. Organization of Essay Competition and Seminar on 19.11.2015 in connection with National Integration Day.
- 19. Observation of Indian Constitutional Day. 26.11.2015.
- 20. Organization of World AIDS Day on 01.12.2015
- 21. One day Seminar on "Inclusion Matters: Access and Empowerment of People with all Disabilities". 03.12.2015 (IUCDS).
- 22. Identification and Assessment of Learning Problems.

 Jointly organized with Department of Life Long Learning and Extension.05.12.2015.
- 23. Conduct of Seminar for the general public on 13.12.2015 observing World Disability Day
- 24. Invited Lecture on Rights of the Disadvantaged, by Mrs. Jasmin Alex, Assistant Professor, School of Indian Legal Thought, in connection with Observation of World Human Rights Day. Jointly organized with Campus Unit of NSS.10.12.2015.
- 25. One Day Workshop on Learning Disability. 15.02.2016 (IUCDS).
- 26. Commemoration of World Zero Discrimination Day. 01.03.2016 (IUCDS).
- 27. Two day's Workshop on Learning Disability. 28 -29, June, 2016 (IUCDS).
- 28. Organised a series extension activities in the community to promote awareness regarding disability and rehabilitation under the programme JOTHIRGAMAYA.
- 29. Organised and conducted medical camps to facilitate early identification of developmental disabilities under the scheme PRATHEEKSHA
- 30. Organised and conducted a series of training programmes for ASHA workers, and parents to enhance skill in rehabilitation of persons with disabilities under the project NAIPUNYA.
- 31. The School of Behavioural Sciences has a counselling centre and vocational rehabilitation centre for adult mentally charged the services of which is extended to the community absolutely free of cost.

48. Give details of "beyond syllabus scholarly activities" of the department.

The students are given opportunity to visit institutions working in the area of disability rehabilitation. Opportunity is given to interact with experts in the field, postdoctoral fellows of other department and faculty from other universities working in the campus on full bright and other academic schemes, persons who excel in life irrespective of disability, pioneers working in the field of disability etc. Two such activities are given below.



- Convened International level Special lecture on 2nd January 2012 by Pavan J Antony, Assistant Professor, Adalphi University, U.S.A on the theme (1) International issue, laws and policies in Special Education.(2)Transition issues and children with disabilities.(Convener: Mr.Rajesh.E, Assistant Professor).
- Convened International level special lecture on 9th January 2012 by Anne M Mungai, Associate Professor, Adalphi University, U.S.A on the theme Multi- cultural Education and comparative education(Convener: Mr.Rajesh.E, Assistant Professor).

49. State whether the programme/department is accredited/ graded by other agencies? If yes, give details. :

The School has Post Graduate Diploma in Indian Sign Language, which is accredited by the Rehabilitation Council of India, New Delhi

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

A number of research studies are undertaken leading to generation and dissemination of new knowledge in the field of Special education, Rehabilitation and Mental Health.

- 1. The School has developed many evaluation/assessment tools in the areas of Mental Health, Disabilities and Special education. Selected few are given below:
- 2. Scale for attitude towards education, 2013
- 3. Parent involvement in Children's education scale Parent version, 2013
- 4. Parent involvement in Children's education scale Child version, 2013
- 5. Child rearing practice scale, 2013
- 6. Quality of life scale of adolescents with mental retardation, 2015
- 7. Satisfaction inventory for special teachers, 2015
- 8. Problem inventory for special teachers, 2015
- 9. Reinforcement related problem inventory for special teachers, 2015
- 10. Parental expectation questionnaire, 2015
- 11. Functional ability scale for adults with intellectual disability, 2016
- 12. Problem assessment scale for adults with intellectual disability, 2016
- 13. Parental expectation scale, 2016
- 14. Diagnostic tool for Autism, 2016

The research work is published in journals for dissemination of knowledge. The relevant findings are presented in the Board of Studies meeting of Special Education, education and Behavioural Sciences for necessary action.



51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- Multidisciplinary subjects, faculty and students.
- Adequate infrastructural facilities with Wi-Fi connectivity, library, ramps and spacious auditorium.
- Community extension activities and community oriented research activities.
- Qualified and devoted staff, good participation of students in various activities etc .
- Education, training, research and extension in the area of disability detection, prevention and rehabilitation which is emerging area of national concern.

Weaknesses:

- Failure to place successful students in government jobs, as disability rehabilitation till now is not recognized as a prerequisite for any job in government sector.
- Inadequate opportunities for the students to work in colleges or universities, as disability studies is not included as a subject of study in colleges and universities.
- Shortage of model special schools and rehabilitation centers within the university campus to supplement /reinforce practical training.
- Difficulty to get research students with UGC JRF or similar fellowships, as most of the subject areas offered by the School do not come under the tests conducted by UGC or similar agencies.
- The functioning of the academic activities, Vocational Rehabilitation Centre and Counselling Centre are affected due to shortage of teaching and supporting staff.

Opportunities:

- Opportunity to collaborate with non- governmental organizations in the field of disability rehabilitation.
- Opportunity to strengthen the referral unit of psychological testing guidance and counselling services to reach the public effectively.
- Opportunity to facilitate interdisciplinary research work of a big magnitude as the alumni and students are from Modern Medicine, Ayurveda, Homoeo, Nursing, Special education, Rehabilitation Psychology, Clinical Psychology, Social work, General Education, and Physiotherapy.
- Ample opportunity to coordinate team work and joint effort in disability prevention and rehabilitation as the school is the only institution in India which offer M Phil and Ph D level programme in —Special Education and Rehabilitation Sciences, Rehabilitation Psychology, Behavioural Medicine and Rehabilitation, and Behavioural Sciences and Rehabilitation Nursing.
- The school gives ample opportunity as leader in the Faculty of Behavioural Sciences to encourage various institutions to start Teacher education programmes in the field of Special Education.



Challenges:

- To get RCI recognition for all the academic programmes.
- To develop job opportunities for the students.
- To develop literature in the field of disability rehabilitation, special education, and mental health in the regional language.
- Integration of the special education concept in the general education and administration policy is required to attract committed and qualified students to the programme.
- Awareness programmes need to be planned, implemented and supported by the governmental and non-governmental agencies to make people more sensitive towards the problem of disability and facilities available for preventing and rehabilitating differently abled people.

52. Future plans of the department.

- 1. Strengthen the rehabilitation activities of the present vocational rehabilitation centre.
- 2. Extend rehabilitation services to persons with autism, loco motor disability, visual impairment, and hearing impairment.
- 3. Extend rehabilitation services to chronic and terminally ill in the community collaborating with various governmental and nongovernmental agencies.
- 4. Adopt a panchayat to initiate 'disabled friendly movement' and facilitate rehabilitation.
- 5. To further develop as a nodal centre in identification, prevention and management of mental health problems among children of different age groups and to expand the services to schools and colleges.
- 6. Publish literature in regional language regarding prevention of disability and rehabilitation of differently abled.
- 7. Translate and publish educational materials in the area of mental health and disability.
- 8. Start M. Ed in special education.
- 9. Offer short term courses in the area of mental health and disability, learning disabilities, Sign language, developmental disabilities etc.
- 10. Offer training programme in Inclusive Education for students in Teacher Training Institutions.
- 11. Establish academic and research collaboration with more national and International institutions.



SCHOOL OF BIOSCIENCES

1.	Name of the Department	:	School of Bios	ciences			
2.	Year of establishment	:	1983				
3.	Is the Department part of a School/Faculty of the University?	:	School coming	g under the Fa	aculty of	f Science	
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	M.Sc. Microbiology M.Sc. Biochemistry M.Sc. Biotechnology M.Sc. Biophysics M. Phil. Biosciences Ph.D. Microbiology Ph.D. Biochemistry Ph.D. Biotechnology Ph.D. Physiology				
5.	Interdisciplinary programmes and departments involved	:	The programmes in Biosciences are interdisciplinary nature. The School of Biosciences interacts with different Schools and Centres such as School of Environmental Sciences, School of Chemical Sciences and International and Inter University Nanoscience and Nanotechnology. Additionally the students of Biosciences are given ample opportunity to take open courses of other schools and centres of the university.				
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Students of fourth semester PG programme and second semester M Phil programme regularly undertake four months project work (One course in the curriculum) in other institutes. Students from other institutes and colleges undertake their project work at School of Biosciences on a regular basis.				
7.	Details of programmes discontinued, if any, with reasons	:		N	il		
8.	Examination System	:	Semester (Choi				
9.	Participation of the department in the courses offered by other departments	:	the School of B	iosciences. The in the invited	e faculty d lectures	1	
10	Number of teaching posts, sanctioned, filled and actual			Sanctioned	Filled	Actual (including CAS & MPS)	
	(Professors/Associate		Professor	1	1	5	
	Professors/ Asst. Professors/others)		Associate Professors	3	3	2	
			Asst. Professors	9	9	6	
			Others DBT Supported Contract Faculty Guest Faculty	3		3	



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 6 years
Dr.Latha M.S.	M.Sc., Ph.D	Professor	Biochemistry	30 Years	M.Phil – 5 Ph.D. awarded- 8 Ph.D. submitted- 2 Ph.D.on-going- 6
Dr.Keerthi TR	M.Sc., Ph.D.	Professor and Director	Biotechnology	17 Years	M.Phil. – 5 Ph.D. awarded- 4 Ph.D.on-going- 7
Dr.Jyothis Mathew	M.Sc., Ph.D.	Professor	Microbiology	25 Years	M.Phil. – 6 Ph.D. awarded- 6 Ph.D.on-going- 8
Dr.J.G.Ray	M.Sc., Ph.D.	Professor	Ecology & Ecotechnology	30 Years	M.Phil. – 1 Ph.D. awarded- 2 Ph.D.on-going- 8
Dr.Jisha MS	M.Sc., Ph.D.	Professor	Microbiology	17 years	M.Phil. – 5 Ph.D. awarded- 7 Ph.D. submitted- 3 Ph.D.on-going- 6
Dr.Jayachandran K	M.Sc., Ph.D.	Associate Professor	Biotechnology	18 Years	M.Phil. – 4 Ph.D. awarded- 6 Ph.D.on-going- 8
Dr.Prakash Kumar B	M.Sc., Ph.D.	Associate Professor	Biochemistry	21 Years	M.Phil. – 2 Ph.D. awarded- 1 Ph.D.on-going- 9
Dr. Linu Mathew	M.Sc., Ph.D.	Assistant Professor	Biotechnology	15 Years	M.Phil. – 5 Ph.D. awarded- 1 Ph.D. submitted-3 Ph.D.on-going- 6
Dr.Harikumaran Nair R	M.Sc., Ph.D.	Assistant Professor	Physiology	10 Years	M.Phil. – 4 Ph.D. awarded- 3 Ph.D. submitted-1 Ph.D.on-going- 4
Dr.Anie Y	M.Sc., Ph.D.	Assistant Professor	Biochemistry	9 Years	M.Phil. – 4 Ph.D.on-going- 5
Dr.Resmi SS	M.Sc., Ph.D.	Assistant Professor	Biophysics	10 Years	
Dr. EK Radhakrishnan	M.Sc., Ph.D.	Assistant Professor	Microbiology	6 Years	M.Phil. – 8 Ph.D. submitted-5 Ph.D.on-going- 6



12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Sl.No	Name	Visiting Fellows/ Adjunct faculty/ Emeritus professors	Specialization
1.	Prof. F.B. Lewu, CPUT, South Africa	Visiting Fellow	Agricultural Sciences
2.	Prof. S O Oluwafemi, University of Johannesberg, South Africa	Visiting fellow	Chemistry
3.	Dr. K. Sunder Rajan, MEDICITY	Visiting fellow	Medical Sciences
4.	Dr. U. Chandramohanan Nair, President, Indian Veterinary Association, Kerala	Visiting fellow	Veterinary Sciences
5.	Uma Sankar, Asst.Professor, Department of Anatomy and Cellbiology. Indiana University School of Medicine, USA	Visiting fellow	Molecular Biology
6.	Keith Davis Director The Johnson centre for Entrepreneurship in Biotechnology Indiana University, Bloomington, USA	Visiting fellow	Biotechnology
7.	Dr. Jacob Varghese Biboy Research Associate Centre for Bacterial Cell Biology Institute of Cell and Molecular Biosciences, Medical school, Newcastle University, NE2 4AX. United Kingdom	Visiting fellow	Microbiology
8.	Dr. Maneesh Milankot Associate Professor Pushpagiri Institute of Medical Sciences Thiruvalla	Adjunct faculty	Medical Sciences
9.	Dr. Shaju Thomas Associate Professor Dept. of Zoology Nirmala College Muvattupuzha	Adjunct faculty	Zoology
10.	Dr. Sreelatha .R. Nair Lifeline Hospital Adoor	Visiting fellow	Clinical Geneticist
11.	Dr. C.K.K. Nair Dean & Principal Scientist Pushpagiri Institute of Medical Sciences Thiruvalla	Adjunct faculty	Nanoscience
12.	Dr. Dinendra Raychaudhari Professor, Department of Zoology, Calcutta University Calcutta	Adjunct faculty	Zoology



13.	Dr. Manoj Kurian Jacob Scientist A		
	Rubber Research Institute of India	Adjunct faculty	Plant Sciences
	Puthuppally	Adjunct faculty	T failt Sciences
	Kottayam		
14.	Dr. T. Saha		
14.	Senior Scientist		
	Rubber Research Institute of India	Adjunct faculty	Plant Sciences
	Puthuppally, Kottayam		
15.	11 ,		
15.	Director		
	Rubber Research Institute of India	Adjunct faculty	Plant Sciences
16	Puthuppally, Kottayam Dr. Kuruvilla Jacob		
16.			
	Director (Training) Rubber Research Institute of India	Adjunct faculty	Training
17	Puthuppally, Kottayam		
17.	3		Plant
	Joint Director (Crop Improvement) Rubber Research Institute of India	Adjunct faculty	
			sciences/Crop
10	Puthuppally, Kottayam		
18.	Dr. Shaji Philip		
	Molecular Plant Pathology Division Rubber Research Institute of India	Adjunct faculty	Plant pathology
19.	Puthuppally, Kottayam Prof.K.J.Jaims		
19.	T.A.Pai Institute of Management	Adjunct faculty	Management
	Manipal	Aujunct faculty	sciences
20.	1		
20.	Asst. Professor		
	Dept. of Chemistry		
	Sacred Heart College	Adjunct faculty	Chemistry
	Thevara		
	Ernakulam		
21.	Dr. Achuth Shankar		
۷1.	Professor of Bioinformatics		Bioinformatics
	University of Kerala	Adjunct faculty	Diomiormatics
	Thiruvananthapuram		
22.	Dr. Asha .S.Nair		
22.	Senior E II		
	Cancer Biology Division	Adjunct faculty	Cancer Biology
	RGCB	Aujunct faculty	Cancer Diology
	Thiruvananthapuram		
23.	Dr. P.N.Krishnan		
23.	Senior Scientist & Head of Division of		
	Biotechnology & Bioinformatics		
	JNTBGRI	Adjunct faculty	Biotechnology
	Pacha P.O., Palode	Aujunct faculty	Diotectifiology
	Thiruvananthapuram		
	1 m a vanananaparam		



24.	Dr. Balarama Kaimal Scientist Pushpagiri Institute of Medical Sciences Thiruvalla	Adjunct faculty	Medical Sciences
25.	Principal Scientist CTCRI	Adjunct faculty	Plant Sciences
26.	Associate Professor Dept. of Statistics S.B. College Changanassery	Adjunct faculty	Statistics
27.	Dr Sudarslal S Associate Professor, School of Biotechnology Amritha Viswa Vidypeethom Amrithapuri Campus, Clappana PO, Kollam – 690525	Adjunct faculty	Biotechnology
28.	Dr. E.P.Yasodharan Professor (Emeritus) School of Environment Sciences Cochin University of Science & Technology Kalamassery	Emeritus Professor	Environment Sciences
29.	Dr. Pious Thomas Principal Scientist Division of Biotechnology Indian Institute of Horticultural Research Bangalore	Visiting fellow	Agricultural Biotechnology
30.		Visiting fellow	Neurobiology

13. Percentage of classes taken by temporary faculty – programme-wise information:

Programme	2011	2012	2013	2014	2015	2016
M.Sc			7%	7%	7%	7%

Contract basis-5%

DBT MSUB Assistant Professor (5year period 2011-2016) 2%



14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.Sc.	6:1
M.Phil.	1:1
Ph.D.	7:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled and actual
Technical	5	4
Administrative Staff	5	4

	Sanctioned	Filled	Actual
Technical	3	3	3
Laboratory Assistant	2	2	1
Laboratory Attender	3	3	1
	Administrative	Administrative	Administrative
Administrative staff	Officer-1	Officer-1	Officer-1
Administrative starr	Office Assistant-2	Office Assistant-1	Office Assistant-1
	Office Attendent-2	Office Attendent-2	Office Attendent-2

16. Research thrust areas as recognized by major funding agencies:

- Ecology and Ecotechnology
- Toxicology
- Ethnopharmacology
- Medicinal plant Research
- Biochemistry
- Physiological Biochemistry
- Biophysics
- Medical Microbiology
- Bioprocess Technology

- Molecular Microbiology
- Bioprocess Technology
- Probiotics and Bioprospecting of marine microbes
- DNA Barcoding
- Agricultural Microbiology.
- Bioremediation of Xenobiotics
- Nanotechnology



17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

a) National

Sl. No	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)	
1.	Studies on molecular and chemical basis of plant growth promoting and antiphytopathogenic properties of rhizosphere microorganisms	(2015-2018)	KSCSTE	25.00	
2.	Identification, isolation and characterization of Acyl Homoserine Lactone-mimic compounds from selected plants	(2015-2017)	KSCSTE	6.90	
3.	Explorations of honey bee gut microbiota for industrial and therapeutic applications' (SB/EMEQ-137/2013)	2013-2017	DST-SERB, New Delhi.	30.00	
4.	Bioremediation of chlorpyrifos by autochthonous bacterial consortia	2016-2019	KSCSTE	22.94	
5.	Investigating the mechanism behind the protective effect of the anticancer compounds isolated from <i>Woodfordia fruticosa</i> Kurz. Flowers against hepatocellular carcinoma.	2016-2019	KSCSTE	22.00	
Complete	ed Projects			<u> </u>	
	Dr Linu Mathew (Principal Investigato	r)			
1.	Barcoding and genetic diversity analysis of Clarias spp of Kerala	(2012-2015)	KSCSTE,	14.7	
2.	Production of phytoecdysteroids from the callus cultures of Achyranthes aspera	(2012-2015)	UGC	12.6	
	Dr.Jayachandran.K (Principal Investigator)				
3.	Safety Evaluation of the process of Chlorination in drinking water system	(2012-2014)	UGC	9.6	



	with analisis reference to Chloringti			
	with specific reference to Chlorination derived By-products			
	Acetyl Homoserine Lactone based			
4.	quorum sensing and its biotechnological	(2012-2015)	KSCSTE	16.5
	applications			
	Dr. Jyothis Mathew (Principal Investig	ator)		
5.	Studies on immunomodulatory effects	(2012-2015)	UGC	11.1
٥.	of Acacia catechu	(2012 2013)	000	11.1
	Dr.Radhakrishnan E.K (Principal Inve	stigator)		
	Molecular Exploration of Spice			
6.	Associated Bacteria for Bioacitve	(2011-2014),	DBT	15
0.	metabolites and PKS-NRPS genes	(=======;,,		10
	Acacia catechu			
7.	Molecular Studies on Biofilm formation	(2011-2014)	ICMR	22
7.	in Coagulase Negative Staphylococci	(2011-2014)	ICIVIIX	22
	Studies on molecular and chemical basis			
8.	of plant growth promoting and	(2015-2018)	KSCSTE,	25
0.	antiphytopathogenic properties of	(2013 2010)	RSCS1L,	23
	rhizosphere microorganisms			
	Dr.R.Harikumaran Nair (Principal Inv	estigator)		
	Evaluation of the protective effect of			
9.	omega-3 fatty acid against arsenic	(2011-2014),	UGC	9.48
	trioxide induced cardiac toxicity in			
	cancer therapy.Funding			
	Molecular Basis of Sodium Dodecyl			
10.	Sulphate (SDS) Bioremediation &	2011-2015	KSCSTE	13.5
	Bioreactor Designing			
	Characterization of	F. No. 41-		
1.1	endophyticdiazotrophic bacteria from	1169/2012	Hac	100
11.	rice (Oryzasativa) and assessment of		UGC	13.9
	their potential biocontrol of rice sheath blight disease	2011-2015		
	Dr. Keerthi T R (Principal Investigator	.)		
	Production, Purification and			
12.	Characterization of antagonistic principles	(2010-2013)	UGC	10.78
	of Potential Aquaculture probiotics			
		I		<u> </u>



13.	Exploration of honey bee gut microbiota for industrial and therapeutic applications	(SB/EMEQ- 137/2013)	DST-SERB	30. 30
	Dr Prakash Kumar B, (Principal Inves	tigator)		
14.	In vitro studies on inhibition of eicosanoid metabolism for control of arthritis by extracts of stem of Tinosporacordifolia	BT/PR14926/ PBD/17/720/2 010	DBT	21.17
15.	Evaluation of methanolic extracts Elephantopusscaber for inhibitors of 5- lipoxygenase (5-LOX) and cyclooxygenase-2 (COX-2)	015/SRSLS/20 10/CSTE	KSCSTE	17.00
	Dr.Anie Y. (Principal Investigator)			
16.	Nattokinase- fibrinolytic and antihypertensive enzymes from novel bacterial isolates	03/YIPB/KBC /2012/CSTE	KSCSTE	4.73
17.	Chemotactic response of human Phagocytic cells (Polymorphonuclear leukocytes and monocytes) in tuberculosis patients	37-599/2009 (SR).	UGC	1.84
	Dr JG Ray (Principal Investigator)			
18.	Endomycorrhizal Studies in Musa Sp of South India	(2012-2015)	UGC	13.50
19.	Collection, identification and screening of green algae from bloomed water bodies of Kerala for quality and quantity of lipids	002/SRS/RCS E-24- 2015/CSTE	KCSTE	27.00
	Dr. Latha M.S (Principal Investigator)			
20.	Protective effect of Elephantopusscaber Linn. A traditional medicinal plant on hepatic fibrosis and hepatocellular carcinoma	(2009-2011)	KSCSTE	10.92

b) International: Nil

c) Total grants received: ₹ 377.16 Lakhs



18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

Sl. No.	Project Title	Funding agencies	Total Fun received in Lakhs (₹)
1.	DBT builder programme with IIUCNN	DBT	450.00
2.	Molecular mechanism of antidiabetic activity of Costuspictus (No. 025/IBRS/KBC/2013 Dated. 11.11.2013)	Kerala Biotechnology Commission- KSCSTE- Industry Partner-Arjuna Natural Extracts.	19.00
3.	Health promoting capabilities of potential probiotic strains isolated from infant gut microflora	ICMR (Collobarative with Dr. Sabu Thomas, Scientist E11 as CO- PI, Rajiv Gandhi Centre for Biotechnology)	25.00

b) International collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sl. No	Title of the Project	Duration	Funding Agency	Amount in Lakhs (₹)
1.	SARD Programme	(2014-2017)	KSCSTE	22.00
2.	DST FIST	1 level	DST	130.00
3.	DST-PURSE	2012-16	DST	225.00

Total grants received: ₹ 337.00 Lakhs

20. Research facility / centre with

State recognition: YesNational recognition: YesInternational recognition: No

21. Special research laboratories sponsored by / created by industry or corporate bodies- Nil



22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	237
2.	Monographs	Nil
3.	Conference Proceedings	88
4.	Chapters in Books	18
5.	Edited Books	1
6.	Books authored with ISBN	1
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
9.	Total	345

• Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social

Sciences Directory, EBSCO host, etc.) : Yes

• Citation Index – range / average : 18-1028 / 224

SNIP : Nil
SJR : Nil
Impact Factor – range / average : 1.6
h-index : 1-16

Citation and H index details

S.L No	Name of the faculty	Total citations	h- index	i-10 index
1.	Dr.Keerthi T.R	111	3	2
2.	Dr.M.S.Latha	1028	16	19
3.	Dr.Jyothis Mathews	190	7	6
4.	Dr.J.G.Ray	81	5	4
5.	Dr.Jisha M.S	324	9	9
6.	Dr.Jayachandran.K	326	9	9
7.	Dr.Prakash Kumar.B	172	7	6
8.	Dr.Linu Mathew	16	2	1
9.	Dr.HarikumaranNair	183	9	8
10.	Dr.Anie Y	24	1	1
11.	Dr.S.S Resmi	18	1	1
12.	Dr.E. K Radhakrishnan	238	8	8
	Total	2691	77	74



- 23. Details of patents and income generated: Nil
- 24. Areas of consultancy and income generated: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :

Sl. No.	Name of the faculty	Laboratory/ Research area
1.	Dr.Keerthi.T.R	1. Dubai-BITS Pilani campus, 4th Annual International Conference on Advances in Biotechnology (BioTech 2014)Dubai, BITS, Pilani Campus 10-11th March 2014.
2.		1) Molecular phylogeny workshop at IISc Bangalore from August 1-5, 2014
	Dr.Linu Mathew	2) DBT sponsored workshop on Molecular biology techniques in Microbiology, CFTRI Mysore15 days excluding holidays from Sept 2-19, 2014
3.	Dr.Prakash Kumar B	Hands on training course in "Use of Cell Culture technology for studying Apoptosis and Angiogenesis" held at the Department of Biotechnology, University of Mysore, Manasagangotri, Mysore from 24/1/2011 to 31/1/2011.
4.	Dr.Jisha.M.S	Invited participation with free registration at the 4th International Conference on Nanotechnology and Basic Science (ICN2016), 4-5 February 2016, Dubai. Emirates

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other

a) National committees

Sl.No.	Name of the faculty	Committee
1.	Dr.J.G.Ray, Professor	 Member in the UGC Expert Committee in Botany for the award of Major Research Projects to Teachers/Researchers Life Member Indian Society of Environmental Scientists Life Member, Swadeshy Science Movement of India
2.	Dr.Keerthi T.R, Professor	 Indian Dairy Association (IDA), New Delhi Society for Biotechnology (India) Association of Microbiologist in India (AMI), India Kerala Science Academy.



3.	Dr.Jisha.M.S, Professor	•	Society for Biotechnology (India) Association of Microbiologist in India (AMI), India Kerala Science Academy.Member Society for Fisheries Technologist (India)
4.	Dr. E K Radhakrishnan	•	Member – Association of Microbiologist India, Indian Science Congress Association,

b) International committees

Sl. No.	Name of the faculty	Committee
1.	Dr.J.G.Ray, Professor	 Member American Agronomy Society (ASA), Crop Science Society of America (CSA) and Soil Science Society of America (SSA) Full Member of the Ukrainian Academy of Ecological Science
2.	Dr.Keerthi T.R, Professor	 International Probiotics Association (IPA), Zurich, Switzerland Asian Federation of Biotechnology (AFOB), Korea

c) Editorial Boards

Sl. No.	Name of Faculty	Details
1.	Dr.J.G. Ray	Member of the Editorial Board of two
		international Journals:
		Ecology and Noosphereology
		 Journal of Soil Science
2.	Dr.Keerthi T.R	 Iranian Journal of Biotechnology
3.	Dr. Prakash Kumar B	 Journal of Practical Biochemistry and
		Biophysics
4.	Dr. E.K Radhakrishnan	 Journal of Food & Industrial
		Microbiology
		 International Journal of Advanced
		Research and Review

d) any other

Sl. No.	Name of the faculty	Committee	
1.	Dr.M.S.Latha, Professor	Dean, Faculty of Science, M.G.University Mamber, Roard of Studies	
1.		Member, Board of StudiesCoordinator, P hD course Work	
2.	Dr.Jyothis Mathew, Professor	 Chairman, Institutional Human Ethics Committee, School of Biosciences, Mahatma Gandhi University, Kottayam Chairman, Institutional Animal Ethics Committee, School of Biosciences, Mahatma Gandhi University, Kottayam 	



		<u> </u>
		 Member, Board of Studies in Biosciences, Mahatma Gandhi University, Kottayam Convener, Expert Committee in Microbiology (U.G.) Mahatma Gandhi University, Kottayam Member, Academic Council, Mahatma Gandhi University, Kottayam Member Board of Studies (UG) in Zoology, Mahatma Gandhi University, Kottayam President, Alumni Association, School of Biosciences, Mahatma Gandhi University Chairman, Board of Studies (UG) in Microbiology Mahatma Gandhi University, Kottayam Chairman, Board of Studies (PG) in Microbiology Mahatma Gandhi University, Kottayam Member, Core Committee in Biosciences, Mahatma Gandhi University, Kottayam Member, Executive committee for Inter University Centre for Biosciences, Kannur University
3.	Dr.J.G.Ray, Professor	 Expert in UGC NET Coaching for Postgraduate Students – Bioscience and Environment Science – organized by Mahatma Gandhi University, Sri Sankara University, Kalady Member, Executive Council, Institute of Intensive Research in Basic Sciences Convener, Core Committee for Curriculum and Syllabus of Integrated M Sc-Ph D Programme in Plant Science Technology Chairman, Postgraduate Board of Studies in Botany Chairman, Postgraduate Board of Studies in Biosciences Convener, Committee for Credit and Semester System, MG University Expert Committee Member of SARD project evaluation at KCSTE, Thiruvananthapuram on 12th May 2015 Judging Committee for Evaluation of Best Paper Presentations, Kerala Environment Science Congress, 6-8 May 2015, Kottayam
4.	Dr.Keerthi T.R, Professor	 Member Academic Council-Mahatma Gandhi University Chairperson, Ph.D Doctoral Committee of Biosciences

		Warden, Ladies Hostel, Mahatma Gandhi University.
		 Member, Anti harassment Cell, Mahatma Gandhi University.
		Member Institutional Ethical Committee, Mahatma Gandhi University.
		 Member,SC/ST monitoring cell Mahatma Gandhi University
		• Convener expert committee of both B.Sc., and M.Sc.,CSS Biotechnology Programme,
		Mahatma Gandhi UniversityMember, Board of Studies, (Microbiology)
		Calicut UniversityMember, Board of Studies, (Biosciences),
		Mahatma Gandhi University.
		Reviewer- 3Biotech,Brazilian Journal of Microbiology
5.	Dr.Jisha.M.S, Professor	 Coordinator, National Institute of plant science technology Member – Board of Studies in Microbiology, Calicut University Member – Board of Studies in Microbiology, M.G. University Subject Expert – Board of Studies in Microbiology, SB College, Changanassery Member, Board of Studies, (Biosciences), Mahatma Gandhi University. Member, Board of studies Microbiology (PG) Mahatma Gandhi University Member Board of Studies, (Microbiology PG&UG), Kannur University Subject Expert Women back to lab programme KSCSTE Thiruvanathapuram Member Institutional Biosafety Committee, Mahatma Gandhi University P.T.A Secretary ,School of Biosciences-2014-2016 batch
6.	Dr.Jayachandran K	 Member Senate, M.G,University Honorary Director IUCSSM, M.G,University Joint Director - Biomedical Research centre till 22-08-2011, UONo.3109/AII (4)/2010/Admn dated 24-06-2010
		 Member, in the selection committee for junior lab technician, Spices Board/ Selection of 3 Lab technicians in Microbiology
		Expert in Kerala Science Congress to assess

		 the scientific papers in Biotechnology Reviewer of Projects, KSCSTE- reviewer of Back to Lab programme of KSCSTE Member, Kerala Academy of Sciences Reviewer of Journals- 3 biotech, Bio resource technology, Member, Technical Committee, Interuniversity centre for Biomedical Research- Evaluation of the technical features of the Lab instruments Member Institutional Bioethics committee Evaluation of the research work in connection with the ethical issues
7.	Dr.Prakash Kumar.B	 Coordinator, DBT-MSUB Programme Member, IQAC, M.G.University Life member Indian Science Congress, Society for Biological Chemists, Kerala Academy of Sciences Member, Board of studies, M.G University Reviewer for Journal of Inclusion Phenomena, Nanobiomedicine and Engineering
8.	Dr.Linu Mathew	 Member, Expert committee, P.G. and UG, M.G. University Member, Kerala Academy of Sciences
9.	Dr.Harikumaran Nair	 Member secretary, Institutional animal ethics committee Member secretary, Institutional Human ethics committee Member, Board of studies, School of Biosciences Member, Campus developmental committee
10.	Dr.Anie Y	 Chairperson, Board of Examiners, III semester M.Sc Biochemistry Examinations, 2011, MG University. Internal Expert, Institutional Biosafety Committee, School of Biosciences, M G University Scientist-in –Charge, Animal House, Institutional Animal Ethics Committee School of Biosciences, M G University Member, Institutional Human Ethics Committee, School of Biosciences, M G University
11.	Dr. E K Radhakrishnan	 Kerala Academy of Sciences Member – Board of Studies in Microbiology, Kerala University Member – Board of Studies in Microbiology, SB College, Changanassery



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Each faculty has undergone orientation and refresher courses as per the UGC directions. Faculty generally opt the Academic Staff colleges at Calicut and Kerala Universities for the recharging programmes.

Sl. No	Name of Faculty	Workshops attended		
1	Dr.E K Radhakrishnan	 Participated "National Seminar on Life Style and Diseases" 19-20, January 2012 organized School of Biosciences, Mahatma Gandhi University, Kottayam, Kerala. Participated "A Short Course on Metagenomics: Role of Next Generation Sequencing and Bioinformatics" 15th Oct to 24th Oct, 2012 organised by Anand Agricultural University, Anand, Gujarat. Participated "National Seminar on Water Resource Management: Present Uses, Status, Conservation and Cooperation "organized by Bishop Moore college, Mavelikara on 20th - 22nd March, 2013 		
2	Dr.Jisha. M.S	 DST sponsored workshop for young scientists on live cell functional imaging and neurotransmitters receptors functional regulation at CUSAT on March 11-13, 2010. Training on Microbial Gene Manipulations at CPBMB, College of Horticulture on May 3-15,2010 Frontiers of Spectroscopy and Microscopy. DST-PURSE sponsored workshop. Mahatma Gandhi University, Inter University Instrumentation Centre (IUIC). 10th -12th September 2012 Biotechnology in industry- achievements, potentials and challenges. Organized by CEPC-NAIP-ICAR project. 18th- 20th Feb. 2013 		
3.	Dr.Keerthi. T.R	1. Training cum workshop on molecular docking and drug designing 23-25 March 2015 organized by school of Biosciences ,Mahatma Gandhi University and Bio Discovery Group Life Sciences 2. 2011 February 14-27-NAIP (ICAR-New Delhi) Sponsored training programme on "Molecular Diagnostics and Fingerprinting of Salmonella and pathogenic Vibrios		



	3.	associated with seafood and aquatic environment". Organized by MFB division of CIFT, Cochin. Kerala. Training on Microbial Gene Manipulation (03-05-2010 to 17-05-2-10) at Centre for Plant Biotechnology and Molecular Biology, College of Horticulture, Kerala Agricultural University.
Dr.Prakash Kumar B	2.	National level workshop on Molecular Docking and Drug Discovery at School of Biosciences, Mahatma Gandhi University from 23-25 March 2015 Hands on training course in "Use of Cell Culture technology for studying Apoptosis and Angiogenesis" held at the Department of studies in Biotechnology, University of Mysore, Manasagangotri, Mysore from 24/1/2011 to 31/1/2011.
Dr.Linu Mathew	2.3.4.5.6.	Workshop on Plant DNA barcoding at CMS College, Kottayam, MG University December 2011 National Seminar on Life style and Diseases at School of Biosciences, M G University 2012 Molecular phylogeny workshop at IISc Bangalore from August 1-5, 2014 DBT sponsored workshop on Molecular biology techniques in Microbiology, CFTRI Mysore15 days excluding holidays from Sept 2-19, 2014 Workshop on plate tectonics: recent advances from Southern India and East Antarctica Geology Department, University Of Kerala. National workshop on Mass Spectroscopy at Interuniversity Centre for instrumentation , Mahatma Gandhi University, Kerala Training cum Workshop on Molecular docking and drug designing at School of Biosciences, M G University

28. Student projects

Percentage of students who have done in-house projects including inter-	
departmental projects	
Percentage of students doing projects in collaboration with other universities /	6%
industry / institute	



29. Awards / recognitions received at the national and international level by

• Faculty:

Name of the faculty	Details	
Dr.E. K Radhakrishnan	Honored presentation of "Bharat Gaurav Award" by India	
	International Friendship Society, May 2016	

• Doctoral / Post-doctoral fellows:

Name of the Doctoral / post-doctoral fellows	Details		
Rohini Sabu	Young scientist award for the best paper in the National seminar on Diversity of Microbes and Climate Change mitigation held during 3 rd -5 th February 2016 organized by Catholicate College, Pathanamthitta.		
Jimtha John C	Best paper award in UGC Sponsered National seminar on progress and prospects of Biotechnology, at St. Josephs College, Irinjalakuda on 14 th and 15 th January, 2016.		
Tijith K George,	Best paper award in the National Seminar on Plant science		
Haseena	Technology for sustainable world -2016		
Glindya	Best paper presentation award. National Seminar on Food Safety		
Bhagyalakshmy	in India-Current Issues and Career Prospects"2015		
Divya.R	Best paper presentation award Biovision 2014		
AjuK.Asok.	Best poster award (Life Science) 23rd Kerala Science Congress held on January 29-31, 2011		
Aswathy Agnes Joseph	First Prize for poster presentation at the 24th Kerala Science Congress, organized by Rubber Board., Kottayam, Kerala, India on 29-31, January 2012.		
Roshmi Thomas	First Prize for Paper presentation, at "Nanotechnology: Applications of Nanomaterials in Agriculture, Food and medicine, 25-26 July organised by BK College, Amalagiri, Kottayam. Senior Research Fellowship Award (under Radhakrishnan EK) from Indian Council of Medical Research		
Jasim B	First Prize for Paper presentation at the "National Seminar on Advanced Biochemical Techniques: Relevance in Interdisciplinary Research Scenario" on September 3-4, organized by B.K. College, Amalagiri, Kottayam.		
Anisha C	Best Poster Award at the International Seminar on Emerging Trends in Organic Farming and Sustainable Agriculture organized by IUCOFSA, Mahatma Gandhi University, on 29 th 31 st Dec,2016		

• Student:

Name of the student	Details		
Rosemin Benny	Best paper award for Rosemin Benny at 25 th Swadheshi Science congress December 2015.		



30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

	Seminars/	Source of	outstanding
Year	Conferences/Workshops	funding	participants
2013-14	State level seminar on "Stem Cell Therapy and Cancer" jointly organized by post graduate department of Biotechnology sassndpyogam College Konni and School of Biosciences M.G. University on 14th February 2014 (Convenor Dr.Keerthi.T.R)	UGC	Dr.C.K.K.Nair, Research Director, Pushpagiri Research Centre, Thiruvalla.
	Hands on workshop on DNA Barcoding of microbes 30.3.2014 (Convenor Dr.Jisha.M.S)	KSCSTE	Dr.Shaji Philip. RRI. Kottayam
	Seminar on "Cyber Space & Social Responsibility" jointly organized with School of Biosciences & PTA School of Biosciences on 28 th December 2015.	PTA	Mr.Ajith, Special DYSP, Kottayam
2014-15	National Training cum workshop on molecular docking and drug designing 23-25 March 2015 organized by school of Biosciences, Mahatma Gandhi University and BioDiscovery Group Life Sciences,, conducted on 23-25 March 2015. (Convenor Dr.Prakashkumar)	DBT-MSUB	Asif Naqvi CEO BioDiscovery Group Agra.
	One day Workshop for Teachers of affiliated Colleges in connection with PG Biotechnology Syllabus Revision -2015.	M.G. University	
	Seminar on "Social responsibility in animal birth control" jointly organized with School of Biosciences &Indian Veterinary Association-Kerala in connection with World Spay Day on 18th February 2016	Indian Veterinary Association- Kerala	Dr.V.Gopakumar, District Animal Husbandary Officer, Kottayam
2015-16	Institutional level two day seminar on "Prevention & management of lifestyle diseases" jointly organized with School of Biosciences & Department of student services (DSS) of M.G. University on 17 th& 18 th March, 2016. (Convenor-Dr.M.S.Latha)	DSS ,M.G University	Dr.Thomas Varughese, MBBS,MD Oncologist, Lakeshore Hospital.



31. Code of ethics for research followed by the departments:

School of Biosciences has Institutional Animal Ethical Committee, Biosafety Committee and also Human Ethical Committee. Research works have been conducted as per the rules and regulations and permission from these bodies. In addition, rules and regulations set by UGC and University are followed

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received		ected Female	Pass per Male	_
M.Sc Biochemistry/Microbiology/ Biotechnology/Biophysics					
2011	392	3	32	100	100
2012	822	2	33	100	100
2013	852	3	31	100	100
2014	792	5	30	100	100
2015	854	8	26	100	100
2016	890	5	30	Results	awaiting

33. Diversity of students:

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2011	22.3	60	17.7	Nil
2012	55.5	37.9	6.6	Nil
2013	51.2	40	8.8	Nil
2014	34.2	57	8.8	Nil
2015	55.6	44.4	Nil	Nil
2016	41.94	58.06	Nil	Nil



34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Sl. No	NET/ JRF Qualified	GATE	SET	Others
1.	40	40	5	Nil

35. Student progression

Student Progression	% against enrolled
UG to PG	NA
PG to M.Phil	6
PG to Ph.D	55
Ph.D to Post Doctoral	20
Employed by Campus Selection	Nil
Other than Campus recruitment	30
Entrepreneurs	2

36. Diversity of staff

Percentage of faculty who are graduates		
Of the same university	27	
From other universities within the State	64	
From universities from other States	0	
From universities outside the country	9	

- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil
- 38. Present details of departmental infrastructural facilities with regard to

1. Library	2540 (Total books)
2. Internet facilities for staff and students	Available
3. Total number of class rooms	5
4. Class rooms with ICT facility	Yes
5. Students' laboratories	4
6. Research laboratories	 Microbiology Lab (3) Biotechnology lab (3) Biochemistry Lab (3) Ecotechnology Lab (1) Toxicology Lab (1) DBT MSUB Lab (1)



39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university Doctoral students 50/80

Name of Guide	Name of Scholar	
	Liji Jacob (Awarded)	
	Sheeba K Oommen (Awarded)	
Dr. Latha M.S	Jyothilakshmi M. (Awarded)	
	Raji Ravindranathan Nair	
	Helen Raisa Lal	
	Ms. Suja Philip (Awarded)	
	Mini K.Paul (Awarded)	
	Shini Zacharia (Awarded)	
D I 41' M 4	Asha Peter (Awarded)	
Dr. Jyothis Mathew	Mini K.D (Awarded)	
	Ashitha A.	
	Neethu Sahadevan	
	Radhika Murali	
Dr. J.G. Ray	Chandana C	
<u> </u>	Honey Chandran C.	
	Resmi S.S.	
D K 4'ED	Athira Krishnan K.A.	
Dr. Keerthi T.R.	Nithin T.U	
	Rakhie Narayanan	
	Glyindya Bhagyalakshmi	
	Aju K Asok (Awarded)	
	Sharrel Rebello(Awarded)	
	Shabanamol S(Awarded)	
	Linu M. Salim(Awarded)	
Dr. Jisha M. S	Rishad K.S (Awarded)	
	Elizabeth Mary John (Submitted)	
	Divya K	
	Tijith K.George	
	Divya R	
	Elizabeth Cherian (Awarded)	
	Seba George (Awarded)	
Dr. Jayachandran K	Amith Abraham (Awarded)	
21. buyuchanaran 11	Merlin Antony	
	Sheetal Sivankutty	
	Mohammed Ashiq	
D D 1 177 D	Bashi M.B.	
Dr. Prakash Kumar B.	Chinchu J.U.	
	Reshmi P A (Awarded)	
Dr. Linu Mathew	Reshma John (Awarded)	
	Siji Raju	



	Maya Rajan	
Dr. Harikumaran Nair	Abhilash M. (Awarded)	
	Sauganth Paul M.V. (Awarded)	
	Manju Alex (Awarded)	
	Vineetha R.C.	
	Binu P.	
Dr. Anie Y.	Hazeena V.N.	
	Haritha V.H.	
	Binchu V. Shaji	
Dr. E.K Radhakrishnan.	Rohini Sabu (Thesis submitted)	
	Anisha C (Thesis submitted)	
	Shiji Mathew	
	Jishma P	
	Aswani R	
	Aswathy Jayakumar	

b) from other institutions/universities Doctoral students 30/80

Name of Guide	Name of Scholar
	Nitha Anand (Awarded)
	Prabha S.P. (Awarded)
	Ansil P. N. (Awarded)
	Latha B. (Awarded)
Dr. Latha M.S.	Rajalakshmi R. (Awarded)
	Jayesh Kuriakose
	Syama S.
	Preetha K. Mattathil
	Vysakh A.
	Aparna Balakrishna (Awarded)
	Anu P. Sebastian (Awarded)
Dr. Keerthi T.R	Savitha K Koilery (Awarded)
	Anjali Anne Jacob (Awarded)
	Sudha V
	Anuthara R.
	Sunitha V. S.
Dr. Jyothis Mathew	Soumya Das
	Midhun Sebastian Jose
	SuNil M. A.
	Binoy T. Thomas (Awarded)
	Dhanya Vijayan (Awarded)
	Santhosh Kumar (Submitted)
	Soumya Soman
Dr. J.G. Ray	Prasanth Kumar S.
	Nideesh K.S.
	Abju K. Arun
	Deepthi A.S.
	Anitha Jose
Dr. Jisha M.S.	Ambily P.S.
	Pratibha T.R(Awarded)

	Athul Sandeep R(Awarded)		
	Vinod Viswanath(Awarded)		
	Dhanya S (Submitted)		
	Smitha Vijayan		
	Karthika		
	Joseph Job (Awarded)		
	Sajudeen P A (Awarded)		
Dr. Jayachandran K.	Dhanya V (Awarded)		
Di. Jayachandran K.	Indu M Nair		
	Anoop.M		
	Padinjarakavil Soumya		
	Jenny Jacob (Awarded)		
	Anu P.A.		
	Mohind C Mohan		
Dr. Prakash Kumar B.	Teene Merlin		
	Rahitha Devi		
	Merlin Baby		
	Shajitha P.P. (Awarded)		
	Aneesha Devassy (Awarded)		
Dr. Linu Mathew	Dhanesh N.R.		
Di. Linu Wathew	Shahena S.		
	Emi Mathew		
	Mathews V. Varghese		
Dr. Harikumaran Nair	(Awarded)		
	Abhilash S.		
	Arathi P.		
	Surya P. Rajendran		
Dr. Anie Y	Neethi Raj P.		
	Roshmi Thomas (Awarded)		
	Jasim Bhasheer		
	Jimtha John C (Awarded)		
	Soumya K R (Thesis		
Dr. E.K. Radhakrishnan	submitted)		
Di. D.IX. Radiaki isililali	Chithra S (Thesis submitted)		
	Deepa P Mohanan		
	1		
	Snigdha		
	Ashitha Jose		

40. Number of post graduate students getting financial assistance from the university. Period 2011-2016

Fellowship	Number
E grants	60



41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes. Elective course were newly introduced in revision of syllabi. The need for new elective courses and open courses are discussed in the faculty council based on student feedback and peer assessment

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	Department seek feedback from stakeholders and will discuss the feedback in the faculty council and Board of studies
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	Feedback from the students will discuss in the faculty council and make suggestions for improvement
c) Alumni and employers on the programmes offered and how does the department utilize the feedback?	Yes. The department council regularly discus the feedback from the students and design future academic strategies accordingly

43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position	
1.	Dr. SuNilkumar Puthenpurackal Narayanan	Institute of Biophysics and Physical Biochemistry and Centre of Magnetic Resonance in Chemistry and Biomedicine (CMRCB), University of Regensburg, 93040 Regensburg, Germany	
2.	Dr. C. Kesavachandran	Principal Scientist, Indian Institute of Toxicology Research Lucknow-226001, India ckchandran@iitr.res.in	
3.	Dr. Sudarslal S.	Associate Professor at the School of Biotechnology, AmrithaVidhyapeedum University Amrithapuri, Kollam sudarsla@am.amrita.edu	
4.	Dr. Krishnan, Manoj	Assistant Professor, Nus and Duke center, Singapore, : manoj.krishnan@duke-nus.edu.sg	
5.	Dr Jacob Biboy	Research Associate, The Centre for Bacterial Cell Biology, Medical School, Newcastle University, United Kingdom jacob.biboy@ncl.ac.uk	
6.	Aneeshkumar. A.G	Faculty, Molecular Genetics Laboratory, National Institute of Immunology, New Delhi, aneesh@nii.ac.in	
7.	Dr. Srejith	Post-doctoral fellow Diabetes Research Unit	



		New York university medical center
		New York city- New York 10016
8.		Associate Professor, Division of Biochemistry
	Dr. Rajendran	and Molecular Biology, Central university of
		Kerala, Kasargod
		Mobile No. 9061877113
9.	Dr. Jolly Paul	Regulatory Affairs Specialist, Vifore Pharma
	-	Zurich, Switzerland
10.	Dr.Arun A Rauf	Assistant Professor, Dept. of Biochemistry,
	Di.Aiuii A Raui	University of Kerala
		Trivandrum, Mobile 9447290954

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Enrichment programme are regularly organized by the School. In the last five years the following programme were organized. School of Biosciences is actively involved in various extension and social activities along with its major academic programmes. The details of various activities are summarized as follows.

SL No	Name of the programme	Details
1.	Science exhibition in the month of February every year	The exhibition showcases major scientific research outputs of the department to the school and college students.
2.	Awareness programme on nutrition and dietics in connection with food fest conducted in the month of February every year	Food fest is annually conducted to familiarize students about nutritional value of traditional recipes and culinary habits .Students are encouraged to prepare and sell traditional food stuffs including snacks. They are asked to advertise about the dietary value and nutritional importance of these food stuffs
3.	Intercollegiate Science quiz programme conducted in the month of February every year	Students from the affiliated colleges of the MG University are being selected for the Quiz competition after the conduct of a preliminary written examination
4.	Dr.P.C.Raveendran memorial lecture conducted every year in the month of March	The Alumni association conducts lecture series in every year in memory of our late founder faculty member Dr.P.C.Ravidran
5.	A seminar on life style diseases conducted on January 18-19, 2011	The seminar included invited talks and poster presentations on thrust areas of life style diseases namely Cancer, Diabetic, Cardiac diseases, Infertility and Nutritional therapy.



6.	Documentary film show World environment day 5 th June 2012	
7.	Awareness and training programme on sustainable agricultural practices training programme	A training on Vermi composting for <i>Kudumbasree</i> members, a group for self reliance of women associated with Grama Panchayath)
8.	Programme on Cyber space and social responsibility on December 28 th 2015	The PTA of the School organized one day seminar on cyber crimes and social responsibility and experts included eminent persons from Kerala Police
9.	A seminar on social responsibility in animal birth control conducted on 18-02-2016	Seminar was conducted in association with Veterinary doctors association to create awareness about ABC programme.
10.	Awareness programme on Community health on 18-02-2016	PTA with school of biosciences organized an awareness programme on emerging challenges in community health in relation to personal and public hygiene.
11.	Bodhani-An awreness programme for the prevention and management of Life Style diseases 17-18 March 2016	The seminar included invited talks and poster presentations on thrust areas of life style diseases namely Cancer, Diabetis, Cardiac diseases and obesity.
12.	Demonstration and Extension of Vermicomposting technique	A project work was funded by KBC, KSCSTE, under BIRD Project for the demonstration and extension of vermicomposting technique for the Solid Waste Treatment to Athirumpuzha Grama panchayath, Kottayam District
13.	Workshop on DNA Barcoding of microbes	A hands on training on DNA Barcoding of microbes was conducted on 30.03.2014
14.	State level seminar on "Stem Cell Therapy and Cancer"	State level seminar on "Stem Cell Therapy and Cancer" jointly organize by post graduate department of Biotechnology SNDP Yogam College, Konni and School of Biosciences, Mahatma Gandhi University on 14th February 2014.
15.	National Workshop on Molecular Docking and Drug Designing	A National Workshop on Molecular Docking and Drug Designing was conducted on 23-25 March 2015

45. List the teaching methods adopted by the faculty for different programmes.

- Regular lectures (ICT enabled)
- Participative learning programme-Seminar/symposium
- Collaborative learning-Group discussions /Common assignment
- Promotion of self-study experiences through quiz/spontaneous/ extempore explanations by students

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:





Critical analysis of student progress and achievement of programme objectives are carried out through frequent faculty discussions, student feedback analysis and interactions through tutorials. Timely conduct of internal evaluation also ensures assessment of learning outcome.

47. Highlight the participation of students and faculty in extension activities.

Bioscience forum is a common platform where faculties, research scholars, students, non-teaching work together for various extension activities, academic activities and social activities. Thanalkoottam and Nature club are also associated with the forum. Through Bioscience forum and thanalkoottam charity and social supportive activities are organized regularly which enable the student to keep an eye on the world around them.

48. Give details of "beyond syllabus scholarly activities" of the department.

1. Science exhibition in the month of February every year

The exhibition showcases major scientific research outputs of the department to the school and college students

2. Awareness programme on nutrition and dietetics in connection with food fest conducted in the month of February every year

Food fest is annually conducted to familiarize students about nutritional value of traditional recipes and culinary habits .Students is encouraged to prepare and sell traditional food stuffs including snacks. They are asked to advertise about the dietary value and nutritional importance of these food stuffs.

3. Intercollegiate Science quiz programme conducted in the month of February every year

Students from the affiliated colleges of the MG University are being selected for the Quiz competition after the conduct of a preliminary written examination.

4. Dr.P.C.Raveendran memorial lecture conducted every year in the month of March

The Alumni association conducts lecture series in every year in memory of our late founder faculty member Dr.P.C.Raveendran

- 5. A seminar on life style diseases conducted on January 18-19, 2011
 - The seminar included invited talks and poster presentations on thrust areas of life style diseases namely Cancer, Diabetics, Cardiac diseases, Infertility and Nutritional therapy.
- 6. Documentary film show World environment day 5th June 2012
- 7. Awareness and training programme on sustainable agricultural practices
 Training on Vermicomposting for Kudumbasree members, a group for selfreliance of women associated with Grama Panchayath)
- 8. Programme on Cyber space and social responsibility on December 28 th 2015

The PTA of the School organized one day seminar on cyber-crimes and social responsibility and experts included eminent persons from Kerala Police

9. A seminar on social responsibility in animal birth control conducted on 18-02-2016

Seminar was conducted in association with Veterinary doctors association to create awareness about ABC programme.

10. Awareness programme on Community health on 18-02-2016

PTA with School of biosciences organized an awareness programme on emerging challenges in community healthy relation to personal and public hygiene.



11. "Bodhani-An awareness programme for the prevention and management of Life Style diseases 17-18 March 2016

The seminar included invited talks and poster presentations on thrust areas of life style diseases namely Cancer, Diabetics, Cardiac diseases and obesity.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The school could bring research input in terms of the external research fund amounting up to 801.17 lakhs and through this could establish an excellent research facility. This has ultimately resulted in the generation of new knowledge through publications, thesis, new species and other deliberations.

The specific contributions included generation of new knowledge in the area of nutritional intervention in chemotherapeutic stress, genetic diversity analysis and population studies of endemic flora and fauna, development of probiotics as neutraceutical and therapeutic agents, cellular behaviour in pathophysiology, biodegradation and bioprocessing of pollutants, Ecology of algae, mycorrhizal fungi and hyper accumulator plants towards development of bio based ecotechnology. Characterization of medically important microorganisms, Molecular studies on endophytic association, toxicology /ethanopharmacology, medicinal plants, phosphate solubilizing microorganisms etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Research- External Funding, External Project funded infrastructure
 Most faculties have taken up external funded major research projects worth Rs
 819.67 lakhs from diverse funding agencies in the last five year period and have
 already published 233 scientific publications.
- **DBT -MSUB funded infrastructure** offering Animal house facility, Cell culture facility and facilities for molecular biological research.
- Excellent academic support-Academic programme in four different branches of life science could attract talented, meritorious postgraduate and research students from diverse areas of life sciences. Departmental library has good number of quality books and Wi-Fi connectivity to ensure usage of online library resources of the University library. Well-equipped specialized research laboratories in 12 different sub-disciplines of biosciences are available for Ph.D programmes.
- Faculty members specialized in diverse areas of Life Sciences viz. Biochemistry, Biotechnology, Biophysics, Microbiology, Plant Science and Technology, Physiology etc.
- Strong academic support from alumni and support from a committed PTA.

Weaknesses:

- Interrupted power supply
- Existing physical infrastructure not as per developmental needs
- Insufficient hostel and quarters facility
- Insufficient administrative support



• Inadequate financial and administrative autonomy

Opportunities:

- Creating well trained manpower to satisfy the requirements of industries and academia.
- Facilitation of start-up programme for young talented entrepreneurs in the area of applied life science.
- Initiation of academic collaborative programme and industrial linkages.
- Lab to land / bench top to bedside technology dissemination.
- Broadening knowledge domain facilitating creation of new ideas, concepts and innovative practices for better science-society interactions.

Challenges:

- Insufficient placement opportunities for the trained manpower in specialized areas
- Lack of prioritising in the selection of thrust areas for academic and industrial exercises during policy making.
- Lack of strategies for soft skill development.
- Insufficient space for class rooms and labs.
- Inconsistency in extending academic freedom.

52. Future plans of the department.

- 1. To conduct extension programme for facilitating better interaction with the society.
- 2. To bring more collaborations with national and international research institutes.
- 3. To establish a consistent campus recruitment process for the students of the school.
- 4. To initiate 'AIRES-Alumni Involved Research Enrichment Scheme- in the School.
- 5. To promote research activities among the faculties in a selected thrust area bringing a convergence in the research efforts.



SCHOOL OF CHEMICAL SCIENCES

1.	Name of the Department	:	School of Chemical Sciences (SCS)							
2.	Year of establishment	:	1983							
3.	Is the Department part of a School/Faculty of the University?	:	Yes, The School is under the Faculty of Science							
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc)	••	M M M M M M M	M.Sc. Chemistry (Inorganic Chemistry) M.Sc. Chemistry (Organic Chemistry) M.Sc. Chemistry (Physical Chemistry) M.Sc. Chemistry (Polymer Chemistry) M.Phil. Chemistry (Inorganic Chemistry) M.Phil. Chemistry (Organic Chemistry) M.Phil. Chemistry (Physical Chemistry) M.Phil. Chemistry (Polymer Chemistry) M.Phil. Chemistry (Polymer Chemistry) M.Tech. Polymer Science and Technology Ph.D. (All branches of Chemistry and Polymer Science)						
5.	Interdisciplinary programmes and departments involved	:	The four branches of M.Sc. and M. Phil. Chemistry Programmes are interdisciplinary							
6.	Courses in collaboration with other universities, industries, foreign institutions etc.	:	Nil							
7.	Details of programmes discontinued, if any, with reasons	:	Integrated M.Sc. Ph.D .programme is discontinued due to scarcity of Research supervisor at the Ph.D. level							
8.	Examination system	:	Semester (Choice Based Credit and Semester System)							
9.	Participation of the department in the courses offered by other departments	:	Open Courses (4 Credits)							
10				D. C	Sanctioned	Filled	Actual(including CAS & MPS)			
10.	Number of teaching posts, sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)	:	-	Professor Associate Professors	4	2	4			
				Asst. Professors Guest	8	8	1			
				Faculty			1			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualifications	Desig- nation	Speciali- zation	No. of years of experience	No. of Ph.D./M.Phil Students guided for the last 6 yrs
Dr. S. Anas	M.Sc, B.Ed, Ph.D.	Assistant Professor	Polymer Chemistry	6 Years	M.Phil – 1 Ph.D ongoing- 3
Dr. G. Anilkumar	M.Sc, M.Phil., Ph.D	Associate Professor	Organic Chemistry	10 Years	M.Phil – 8 Ph.D submitted-2 ongoing- 5
Dr. Beena Mathew	M.Sc., Ph.D	Professor	Physical Chemistry	23 Years	M.Phil – 8 Ph.D awarded- 9 ongoing- 8
Dr. K.S. Devaky	M.Sc., Ph.D	Associate Professor	Organic Chemistry	23 Years	M.Phil – 4 Ph.D awarded- 8 ongoing- 8
Dr. I. Ibnu Saud	M.Sc., Ph.D	Professor	Organic Chemistry	23 Years	M.Phil – 2 Ph.D awarded- 3 ongoing- 3
Dr. A. S. Padmanabhan	B.Tech., M.S. Ph.D	Professor	Physical Chemistry	29 Years	M.Phil – 4 Ph.D awarded- 1 ongoing- 2
Dr. Pius Kuruvilla	M.Sc., Ph.D	Associate Professor	Physical Chemistry	25Years	M.Phil -2 Ph.D ongoing- 2
Dr. Raju Francis	M.Sc., Ph.D	Associate Professor	Chemistry	16 Years	M.Phil – 2 Ph.D awarded- 1 ongoing-3
Dr. Sabu Thomas	B.Tech., Ph.D. FRSC, D.Sc	Professor	Polymer science and Technology	29years	M.Phil – 6 Ph.D awarded- 23 ongoing- 8
Dr.Suresh Mathew	M.Sc., Ph.D	Professor	Inorganic Chemistry	16 Years	M.Phil – 5 Ph.D awarded- 5 ongoing- 4



12. List of Senior Visiting Fellows, adjunct faculty, emeritus professors

Sl.No	Name	Visiting Fellows/Adjunct faculty/ Emeritus professors	Specialization
1.	Prof. M.R. Gopinathan	Visiting Professor	Polymer chemistry
	Nair M.Sc., Ph.D.		
2.	Prof. P. Madhavan Pillai	Visiting Professor	Organic chemistry
	M.Sc., Ph.D		
3.	Prof. M. Padmanabhan	Visiting Professor	Inorganic chemistry
	M.Sc., Ph.D		
4.	Ms. Chithra Mohan	Adjunct faculty	Physical chemistry
	M.Sc., M.Phil	_	-

13. Percentage of classes taken by Temporary Faculty – Programme-wise information

No.	Course	Percentage
	M.Sc. Chemistry (Inorganic Chemistry)	
1	M.Sc. Chemistry (Organic Chemistry)	
	M.Sc. Chemistry (Physical Chemistry)	22%
	M.Sc. Chemistry (Polymer Chemistry)	
	M.Phil. Chemistry (Inorganic Chemistry)	
2	M.Phil. Chemistry (Organic Chemistry)	
	M.Phil. Chemistry (Physical Chemistry)	30%
	M.Phil. Chemistry (Polymer Chemistry)	
3	M.Tech. Polymer Science and Technology	30%
4	Ph.D. Course work	20%

14. Programme-wise student-teacher ratio

Course	Students	Teacher	Ratio
M.Sc.	32	10	3:1
M.Phil.	12	10	1:1
M.Tech.	10	2	5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Technical Staff		Administrative Sta	ff
Filled	Actual	Filled	Actual
10	14	3	4

16. Research thrust areas as recognized by major funding agencies

- Synthetic organic chemistry
- Catalysis
- Medicinal chemistry
- H₂ generation for energy source
- Self-assembled materials
- Synthetic and biopolymers
- Hybrid materials
- Environmental chemistry
- Photochemistry
- Polymer synthesis
- Design, synthesis and studies of functionalized polymers
- Green chemistry
- Molecular sensors
- Targeted drug delivery
- Solid-phase peptide synthesis
- Polymeric reagents
- Enzyme-mimic reactions
- Mathematical chemistry
- Computational chemistry
- Self avoiding walks
- Statistical mechanics of reacting polymers

- Hydrothermal synthesis.
- Metal and metal oxide nanostructures
- Nanophotocatalysis
- Core-shell nanostructures
- Open framework solids and crystal engineering
- Thermal analysis of solids
- Composite solid propellants
- Nano ferrofluids
- Chiral pool synthesis
- Chemo, egion- and stereo reaction pathways in organic reactions
- Stereochemical structure determination using chiroptical spectroscopy
- Polymer composites and blends
- Ageing and degradation
- Pervaporation phenomena
- Interpenetrating polymers
- Recyclability and reuse of waste plastics and rubbers
- Elastomers
- Creativity in science education

17. Number of faculty with ongoing projects from: a) national, b) international funding agencies and, c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise

a) National

SL.No	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)
1.	Synthesis of few Medicinally Important Chiral Molecules Derived from Renewable Resources (P I Dr.I.ibnu saud)	2013-2017	DST, Project No.SR/S1/ OC-98/2012	55.00
2.	Respond project from ISRO	2016-2019	ISRO	19.20
	Prof. Sabu Thomas			
3.	Development of Thermoplastic Vulcanizates (TPVs) from Natural	2009-2012	KSCSTE.	14.70



	Rubber and polypropylene Blends for the Fabrication of Automotive Parts and shoe Soles			
4.	Development of biodegradable dual porous polymer nanocomposite scaffold	2008-2011	DBT, New Delhi	58.59
5.	Carbon nanotube filled natural rubber nanocomposites.	2010-2013	UGC-DAE	4.00
6.	Development of high performance rubber modified epoxy resin/clay nanocomposites	2008-2011	UGC,New Delhi	8.89
7.	High permoance polymer blend from epoxy resin and PTT for aerospace application	2009-20012	DRDO	25.30
	Dr. Raju Francis			
8.	Synthesis And Applications of Star Block Copolymers, Dendrimers And Star Gel Containing Biocompatible Block (Dr. Raju Francis)	2007-2011	Council of Scientific & Industrial Research	14.00
9.	Acetic Anhydride Mediated Cyclodehydration of Various N- Substituted Maleamic Acids to Form Maleimido Derivatives – A Computational Study	2012-2014	UGC, New Delhi ,	25.00
	Dr. G. Anilkumar			
10.	Copper catalysed C-C, C-O and C-S bond formations using N and O containing bidentate ligands.	2013-2016	KSCSTE	15.85
	Total			240.53

b) International

Sl.No.	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)
1	Study of Fundamental Chemical and Physical Properties of Magnetic Ionic Liquid Nanofluids	2015-2018	DST- Poland	5.42

c) Total grants received: ₹ 245.95 Lakhs



18. Inter-institutional collaborative projects and associated grants received

• National collaboration :

Sl.No.	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)
1.	Development of high performance butyl rubber nano composites for barrier application (PI: Prof.Sabu Thomas)	2007- 2011	DST –appollo tyres	39.94
2.	Tuning the properties of stimuli sensitive copolymers- A step towards purification of water (Dr. Raju Francis)	2009- 2012	SERC-DST	28.35
	Tota	1	·	68.29

b) International:

Sl.No.	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)
1.	Study of Fundamental Chemical and Physical Properties of Magnetic Ionic Liquid Nanofluids	2015-2018	DST-Poland	5.42
2.	Hierarchial biocomposites from Isora fibres and unsaturated polyester	2014-2016	DST-Austria	15.00
	Total			20.42

Total grants received: 88.71 Lakhs

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc. Total grants received.

Sl.No.	Title of the Project	Funding Agency	Grant Received (Lakhs)	Duration
1	UGC XI and XII Plan	UGC	40.00	2010-2016
	funds			
2	DST FIST	DST	175.00	2012-2016
3	State Annual Plan Fund	Govt of	74.00	2010-2016
		Kerala		
4	UGC SAP	UGC	75.00	2012-2016
5.	DST-PURSE	DST	225.00	2012-2016

Total grants received: ₹ 589 Lakhs



20. Research facility / centre with

State recognition : Yes
 National recognition : Yes
 International recognition : Yes

21. Special research laboratories sponsored by / created by industry or corporate

bodies : Nil22. Publications

Sl. No	Publications	Total
1.	Refereed Journal Publications	385
2.	Monographs	Nil
3.	Conference Proceedings	25
4.	Chapters in Books	22
5.	Edited Books	44
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
	Total	476

Details of h-index and citations

Name	h – Index	Total Citations
Dr. S. Anas	10	368
Dr G Anil kumar	22	1830
Prof. Beena Mathew	13	566
Prof. K.S. Devaky	8	128
Prof. I. Ibnu Saud		138
Prof. A. S. Padmanabhan		51
Dr. Pius Kuruvilla	3	13
Dr. Raju Francis	14	767
Prof. Sabu Thomas	78	27630
Prof. Suresh Mathew	17	812

23. Details of patents and income generated: 12 patent

SL.No	Patents Granted	Income generated
1	Photosensitizers and use thereof for generating hydrogen from water. N. Stefan, D. Uwe, B. Jens, H. Sascha, B. Matthias, Z. Horst-Werner, G. Felix, C. Daniela, D. Stefania, G. Anilkumar, L. Sebastian, J. Henrik, G. Serafino, B. Matthias US patent. US 2014/0023582 A1. (2014) Verfahren zur katalytischen oxidation von Wasser. G. Anilkumar, S. Losse, S. Gladiali, N. Marquet, F. Gartner, S. Dennura, H. Junge, M. Beller, D. Cozzula, German patent. DE 10 2011 079424 A1 (2013)	Nil
2	Ibnusaud and Sarath Muralidharan Pillai.Enatiopure total synthesis of indolizinoindole alkaloid (+) harmicine and (-) harmicine from (2S,3R)-Tetrahydro-3-hydroxy-5-oxo -2,3-furandicarboxylic acid (Hibiscus acid) and (2S,3S)-Tetrahydro-3-hydroxy-5-oxo -2,3-furandicarboxylic acid(Garcinia acid). Indian Patent application No . 3682/CHE/2016	Nil
3	Synthesis of (R) -(+)-Crispine Aand (S) -(-)-Crispine A from $(2S,3R)$ - and $(2S,3S)$ -Tetrahydro-3-hydroxy-5-oxo-2,3-furandicarboxylic acids, Divya Sadasivan Nair, Deenamma Habel and Ibrahim Ibnusaud, Indian Patent application No. 3484/CHE/2016S	Nil
4	Process for catalytic oxidation of water. N. Marquet, G. Anilkumar, F. Gartner, S. Losse, S. Dennura, D. Cozzula, S. Gladiali, M. Beller International Patent. WO 2013/010902 A1 (2013)	Nil
5	Photosensitizers and use thereof for generating hydrogen from water. N. Stefan, D. Uwe, B. Jens, H. Sascha, B. Matthias, Z. Horst-Werner, G. Felix, C. Daniela, D. Stefania, G. Anilkumar, L. Sebastian, J.Henrik, G. Serafino, B. Matthias International Patent.WO 2012/065833 A1. (2012)	Nil
6	Photosensibilisatoren und deren Einsatz zur wasserstoffereugung aus wasser. N. Stefan, D. Uwe, B. Jens,H. Sascha, B. Matthias, Z. Horst-Werner, G. Felix, C. Daniela,D. Stefania, G. Anilkumar, L. Sebastian, J. Henrik, G. Serafino, B. Matthias European Patent. DE 10 2010044155 A1. (2012)	Nil
7	Fibre reinforced composites with toughened epoxy matrix and a process for preparing the same, Application 940/CHE/2006, published 2007-12-07. Vattikuti Lakshmana Rao, Bejoy Francis, Rajagopal Ramaswamy, Kavoor Ninan Ninan, Sabu Thomas. Ptent no. 276350, date of grant 17/10/2016	Nil



	Patents filed	
1	Biodegradable, Biocompatible Wound Healing Dressing Film and ointment from the Biocomposite of Marine Origin, Indian Patent application: 840/DEL/2013, M.Kurup and Sabu Thomas	Nil
2	Highly gas impermeable elastomeric rubber- rubber blend nanocomposite, Indian Patent Application no: 135/CHE/2012, Sabu Thomas, Ajesh K. Zachariah, P.K. Mohammad, Arup Kumar Chandra.	Nil
3	Biodegradable, Biocompatible Wound Healing Dressing Film and ointment from the Biocomposite of Marine Origin, Indian Patent application: 840/DEL/2013, M. Kurup and Sabu Thomas.	Nil
4	Method for improving the comparative tracking index of polymer composites, Indian patent Application No:239/CHE/2014, Harinarayanan Puliyalil, Uros Cvelbar, Miran Mozetic, Sabu Thomas.	Nil
5	A polymer Nanocomposite, Process And Application there-of ,WIPO Publication number: WO2016142848 A1, Publication date: Sep 15, 2016, and Indian patent Application No: 638/DEL/2015 Mohammed Arif P, Sabu Thomas, Nandakumar Kalarikkal	Nil

24. Areas of consultancy and income generated

Analytical facilities are made available to research students of other schools/centres/colleges and these are offered on a suitable payment basis.

Income generated (2011-2016)

Financial year	Income generated in Rupees
2011-2012	1,38,130
2012-2013	67,660
2013-2014	64,400
2014-2015	53,450
2015-2016	29,950
Total	3,53,590

25. Faculty selected nationally/internationally to visit other Laboratories/institutions/industries in India and abraod

Sl. No.	Name of Faculty	Laboratory/Intitutions	
1	Dr. Sabu Thomas	 Universities in Croatia and Slovenia Nov. 2010 Universities in France, June, 2011 Universities in Korea. 2012 Feb University of Strasbourg, Frace2012 April Adam Mickiewicz University, Poznan, Poland, 2013 Feb, Univerity of Basra, Iraq2014 March University Tehcology, Mara, Malaysia,2014, April Warsaw University of Tehcology, Warsaw, Poland, 2014 May Durban University of Tehcnology, Durban, South Africa,2014 July CSIR, Port Elizabeth, South Africa 2014, July Cape Peninsula University of Tehcology, Cape Town, South Africa 2014 July, LIMATB, University of South Brittany, France,2015, March University of Strasborg, France 2015, March Institute for Polymer Research Dresden (IPF), Germany 2015 March Singapore, 2015May University of Graz, Austria, 2015, May Conference Turkey2015, August Durban University of Technology, Durban, South Africa,2015, Invited Speaker 	
2	Dr. Suresh Mathew	 Rzeszow University of Technology, Rzeszow, Nov 26, 2015, Poland New York University, Abu Dhabi, May 17, 2015, UAE 	
3	Dr I. Ibnusaud	 Vanderbilt University, Nashville, USA, June 2010 Sapporo, Japan ,JULY 2010 Purdue University, USA ,June 2012 Fort Worth, Texas, USA March 2012 Rutgers, The State University of New Joursey, NJ, USA 2012 Liverpool, UK 2011 	
4	Dr. Raju Francis	 Toyo University, JAPAN 2012 University of Hyderabad, India 2013 	



26. Faculty serving in: a) National committees, b) International committees, c) Editorial Boards, d) any other (please specify)

a) National committees

Sl. No.	Name of the faculty	Committee	
		Life Member, Indian Association of Chemistry Teachers, (IACT), Mumbai	
1.	1. Dr. I. Ibnu Saud	2. Life Member , Chemical Research Society of India (CRSI), Bangalore.	
		3. Member Executive Council Indian Association of	
		Chemistry Teachers, Homi Bhabha Centre for science Education (TIFR), Mumbai. (IACT).	

b) International committees

Sl. No.	Name of the faculty	Committee
1.	Dr. Beena Mathew	Member of American Chemical Society
2.	Dr.Sabu Thomas	Fellow of the Royal Society of Chemistry, London (FRSC)2012, Member of American Chemical Society
3.	Dr.Suresh Mathew	Member of American Chemical Society

c) Editorial Boards

Sl. No.	Name of the faculty	Committee	
1.	Dr.Sabu Thomas	 Chief editor, Nano-Structures & Nano-Objects, Elsevier SM Journal of Nanotechnology and Nanomedicine Nano Advances Materials Science and Engineering (Editorial Key Reviewers Committee) International Journal Of Advances In Engineering Research World Journal of Biotechnology Journal of Emerging Materials Technology Associate Editor, Bulletin of Materials Science Regional Editor of the journal "Current Smart Materials 	
2.	Dr. G Anil kumar	Universal Journal of Chemistry Editorial board of Horizon Research Publishing, USA	
3.	Dr.Suresh Mathew	 Science Advanced Today Science Letters Science of Advanced Materials International Journal of Nanotechnology 	



d) any other activities

Sl. No.	Name of Faculty	Committee
1	Dr.A.S. Padmanabhan	Reviewer of Manuscripts for Discrete Applied Mathematics
2	Dr. Beena Mathew	 Reviewer of various of journals of Wiley, Elsevier, Taylor & Francis, and Springer Publishers Member, Board of Studies, Central University of Kerala Member, Board of Studies, School of Chemical Sciences, M. G. University Member, Board of Studies, Department of Chemistry, CMS College (Autonomous), Kottayam (2015-) Member, Board of Studies, Department of Chemistry, S.H College (Autonomous), Thevara, Ernakulam (2015-)
3	Dr. K.S. Devaky	 Reviewer of various of journals of Biosynthesis Membe , UG Board of studies, MGU Member, Board of studies, SCS
4	Dr. I. Ibnu Saud	 Member, Board of studies of MSc. Chemistry, School of Chemical Sciences, M. G. University. Member, Board of studies of MSc. Chemistry (PG) in M. G. University
5	Dr. S. Anas	 Member, MG university Senate Member combined board of studies, IIRBS syllabus revision2016 NAAC cell member, M.G. university Member, core-committee of IIRBS 2016 Member,Board of studies PSRT,CUSAT Member, Board of studies, SB College Changanassery Additional chief superintend MGU off campus Examination Cherthala,2015
6	Dr .G.Anilkumar	1.Reviewer of (a) American Journal of Chemistry& Material Sciencees (b)Mini Review in Org. Chem. (c) Chemistry Select (d)Chem.Lett(e)Journal of Org.Chem(f) Lett.in Org.Chem (g) Tetrahedron (h)RSC Chemical Sciences (i)ChemSusChem(j) Jcs Pakisthan



27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, Workshops, training programs and similar programs)

Name of Faculty	Programme	Institute	Duration
	Orientation course at ASC	University of Calicut	May 16- June 12, 2012
	Refresher course in Chemistry, ASC	Univ. of Hyderabad,	11.07.2012 to 31.07.2012
	Short term course for research guides in Sciences, ASC	Univ. of Kerala,	30.01.2013 to 20.02.2013
	Special Winter School, ASC	Univ. of Kerala	28.11.2014 to 18.12.2015
Dr. G. Anil Kumar	Short term course in Soft skill development, ASC	Univ. of Kerala	24.02.2015 to 28.02.2015
	Faculty Development Programme in Concept Coaching by ICT	Univ. of Kerala	9-10 Dec 2014
	DST-PURSE sponsored Workshop on Frontiers of Spectroscopy and Microscopy	MGU Kottayam	September 10-12, 2012
	National Workshop on Computational Chemistry		May 31- June 3, 2013
	National Workshop on Advances in Instrumental Techniques for Nanomaterial characterization	IIITM-K, Trivandrum	7-8 March, 2014
	National Workshop on Computer Aided Drug Design Workshop for College Chemistry Students and Teachers	IIITM-K, Trivandrum	27-30 March, 2014
	International and Interuniversity workshop on Microscopy	IIITM-K, Trivandrum	6-8 October 2015
	Innovation in Science Pursuit for DST Inspire Research Camp	S.H College, Thevara	12 Sept. 2012
Dr.I.Ibnu saud	The Art of Scientific Research		July 05, 2011.
	CSIR - Open Source Drug Discovery (OSDD) meeting	School of BioSciences, M G University	02.07.2011



	CSIR - Open Source Drug Discovery (OSDD) meeting	IIRBS	24 th June 2011
	UGC-sponsored Orientation Programme	University of Kerala	03-10- 2013 to 30-10- 2013
	UGC-sponsored special summer school conducted by UGC	University of Kerala	30-7-2014 to 19-8- 2014
	Emerging Youth" for National Service Scheme (NSS) Volunteers of Govt. Devi vilasom HSS, Kudavechoor, Vaikom	Gov. H.S.S. T.V. Puram, Vaikom	22 nd December 2015
Dr.S.Anas	One day workshop on NAAC accreditation process	Mahatma Gandhi University	12 th April 2016
	Work shop on "Fundamentals and applications Material science	Mahatma Gandhi University	Mach 4-6
	One day outreach program hosted by IICUNN, Kottayam on Facilitating innovation and Patent filing	IUCIPRS and MHRD Chair on IPR, CUSAT	February 29, 2016
	Faculty Development Programme in Concept Coaching by ICT Academy of Kerala	University of Kerala,ASC	9-10 Dec 2014
Dr.Raju Francis	1.UGC Refresher Course programme		
Dr.Suresh Mathew	1. Workshop on Advanced Materials And Modern Manufacturing Techniques 2.National Workshop on Renewable Energy Technologies (2016)	Saintgits College of Engineering St. Alberts	2014 31 Oct-02
	Energy recimologies (2010)	College, Ernakulam	Nov, 2014

Other recharging activities of teachers Seminar /Conference Attented/ Presented Papers

Sl.	Details	
No.		
1.	Presented a paper in the First International Conference on Composites and	
	Nanocomposites (ICNC - 2011) January 7-9, 2011 in Mahatma Gandhi University,	
	Kottayam, Kerala. "Synthesis and Characterization of Silver Nanoparticles Loaded	
	Poly(N-isopropyl)acrylamide Based Terpolymer" (Dr. Raju Francis)	
2.	Presented a paper in the International Conference "Functional Polymers" held in NIT	
	Calicut, Kerala, India during 28-30 January, 2011. "Synthesis and Characterization of	
	Polystyrene-block-Chitosan Star Polymer" (Dr. Raju Francis)	



- Synthesis and Characterization of Silver Nanoparticles Loaded Poly(N-isopropyl) 3. acrylamide Based Terpolymer". Nijil E. T. and Raju Francis. Second International Symposium in Frontiers in Polymer Science, 29-31 May 2011, Centre de Congrès, Lyon, France. (**Dr. Raju Francis**) Hazardoudye removal from Water using polymeric hydrogels, Gigimol M.G, 4. Dhanya K.R and Beena Mathew, 22nd Kerala Science Congress, KFRI, (Peechi) 5. Adsorption of Rose Bengal by Crosslinked Poly (N-Vinyl pyrrolidone), Dhanya K.R, Gigimol M.G and Beena Mathew, 97th Indian Science Congress 2010, University of Kerala, Thiruvananthapuram, 13-17, January 2010. 6. Microwave assisted polymer-supported oxidation reactions using polyvinylpyrrolidone-bromine complexes, Saju M. Sebastian, Beena Mathew& Ebey P. Koshy, 21st Swadeshi Science Congress, Kollam, Swadeshi Science Movement, Nov 7-9, 2011Hazardous dye removal from Water using polymeric hydrogels, Gigimol M.G, Dhanya K.R and Beena Mathew, 22nd Kerala Science Congress, KFRI, (Peechi) 2010. 7. Adsorption of Rose Bengal by Crosslinked Poly (N-Vinyl pyrrolidone), Dhanya K.R, Gigimol M.G and Beena Mathew, 97th Indian Science Congress 2010, University of Kerala, Thirsuvananthapuram, 13-17, January 2010 8. Synthesis of 2,4-D imprinted polymers with high specificity and selectivity (oral), K.M.Annamma, National Conference on Advances in Nanoscience and Technology, Amal Jyothi College of Engineering 22-23, April 2010. 9. Significance of polymeric hydrogels for the removal of hazardous dye Malachite Green from water, Gigimol M.G, Dhanya K.R and Beena Mathew, International Conference on Polymer processing & characterisatioz M. G. Univ. Kottayam January 15-17, 2010. 10. Co-polymeric hydrogel for the removal of hazardous dye Malachite Green from Water, Gigimol M.G, Dhanya K.R and Beena Mathew, National Seminar on Nanomaterials, Amal Jyothy College of Engineering, Kanjirappally 22-23, 2010 11. Dependence of the degree of crosslinking on the enantioselectivity of D-Mandelic acid imprinted polymer, Smitha K. R & Beena Mathew, UGC sponsored National Seminar on Green Chemistry, Alphonsa College, Pala ,July 2010. 12. Design of Semi IPNs for selective Metal Ion Binding, Shiby Susan Kuriakose, Beena Mathew, UGC sponsored National Seminar on Green Chemistry, Alphonsa College, Pala, July 2010. 13. Design of Metal ion selective polymers by ion imprintring, Bindu M. S & Beena Mathew, UGC sponsored National Seminar on Green Chemistry, UGC sponsored National Seminar on Green Chemistry, Alphonsa college, Pala, July 2010

 - 14. Molecular imprinted polymers of a flavanoid, Subi Joseph & Beena Mathew, UGC sponsored National Seminar on Green Chemistry, Alphonsa college, Pala July 2010.
 - 15. Processing & Characterization of Polymeric Hydrogels & the Removal of Hazardous dye Malachite Green from Water, Gigimol M.G, Dhanya K.R, Beena Mathew, International Conference MSE-2010-Material Science and Engineering Technical University, Darmstadt, Germany 24-26, August 2010
 - 16. Role of polymeric hydrogels in the environment, Gigimol M.G, Dhanya K.R and Beena Mathew, ACS 178 Technical Meeting (Rubber Division), Online Ailwaukee, WI, USA, October 12-14, 2010



	Mahatma Gandhi University
17.	Rose Bengal Bound NNMBA-Crosslinked Aminopolyacrylamide as Polymeric
	Photosensitizer, Gigimol M.G, Dhanya K.R and Beena Mathew, National
	Conference on current trends in Chemistry NCCTC-10, Bharatiar University,
	Coimbatore 2- 3, December 2010
18.	Photo oxidizing Ability of NNMBA-Crosslinked Amino polyacrylamide, Gigimol
	M.G, Dhanya K.R and Beena Mathew, National Conference on current trends in
	ChemistryNCCTC-10 Bharatiar University, Coimbatore 2- 3, December 2010
19.	Synthesis and Characterization of Crosslinked Poly N-vinyl pyrrolidone and Binding
	of Rose Bengal by Poly N-vinyl pyrrolidone, Gigimol M.G, Dhanya K.R and Beena
	Mathew, International Conference on Functional Polymers, NIT Calicut, Jan 28-30,
	2011
20.	Treatment of Waste Water by using TTEGDA- crosslinked Acrylic Acid-N-Vinyl
	pyrrolidone Co polymeric Hydrogel, Gigimol M.G, Dhanya K.R and Beena
	Mathew, International Conference on Functional Polymers, NIT Calicut, Jan 28-30,
	2011
21.	Microwave assisted polymer-supported oxidation reactions using
	polyvinylpyrrolidone-bromine complexes, Saju M. Sebastian, Beena Mathew&
	Ebey P. Koshy, 21st Swadeshi Science Congress, Kollam, Swadeshi Science
22	Movement, Nov 7-9, 2011
22.	Composites and Nanocomposites, Sabu Thomas & Mathew, First International
	conference, organized by Institute of macromolecular Science and engineering,&
	Beijing University of chemical Tecnology, BeiSan Huan East Road 15#, Chaoyang
22	District, Beijing, China
23.	Presented a paper on Latest in Polymers in the international conferences organized
	by J.J Murphy Centre held at the Rubber Park Campus, Kochi, Kerala (Dr.Sabu Thomas)
24.	Anas, S.;Jahn,B.O.;Dahlstrand,C.;Nauoozi,D.;Ott,S.;Ottosson,H.Synthesis and
24.	exploration of 6,6-dicyanosubstituted fulvenes in their lowest excited states; a poster
	presented at the symposium on Trends in organic Chemistry: The Physical organic
	View ,Uppsala University , Sweden,November,2012,P05
25.	Anas, S.; Jahn, B.O.; Dahlstrand, C.; Ottosson, H. Synthesis and exploration of
20.	substituted fulvenes in their lowest excited states; a poster presented at 21st IUPAC
	International conferences on Physical organic Chemistry(ICPOC-21), Durham
	University ,UK,September,2012,P012
26.	Anas, S "Alternative Resources in Kerala" in the New Kerala development forum
	organized by solidarity Youth movement held at Ernakulam on 2011 March 11.
27.	Materials (ICRRM – 2013), March 6-9, 2013, Rubber Technology Centre, IIT
	Kharagpur – 721 302 (Dr. Sabu Thomas)
28.	Oral presentation of paper by Hanna J Maria International Conference on Rubber
	and Rubber like Materials (ICRRM – 2013), March 6-9, 2013 Rubber Technology
	Centre, IIT Kharagpur – 721 302 (Dr. Sabu Thomas)
29.	Oral presentation of paper by Runcy Wilson , National seminar on Advanced
	Polymers SCIENTIA-2012., Mahatma Gandhi University College of Engineering,
	Muttom, Thodupuzha 685 587, Kerala (Dr. Sabu Thomas)
30.	Oral presentation of paper by Hanna J Maria National seminar on Advanced
	Polymers SCIENTIA-2012., Mahatma Gandhi University College of
	Engineering, Muttom, Thodupuzha 685 587, Kerala (Dr. Sabu Thomas)
31.	Transition State Analogue Imprinted Polymer as an Efficient Catalyst for the
1	Hydrolycic of Amino Acid Ectors: Christy Philip and K S Dovoky International

Hydrolysis of Amino Acid Esters: Christy Philip and K. S. Devaky, International



	Conferences on Advances in Material Sciences (ICAMS-2013) Sree Sankara College , Kalady 23 -24 October 2013.
32.	Nano isoreticular metal organic frameworks- A review"; Vandana P.V, Seetharaj. R, Suresh Mathew , National Seminar on Nano science and Technology on February 15th& 16th, 2013 at Department of Science and Humanities, Sree Narayana Gurukulam College of Engineering, Kadayiruppu, Kolenchery
33.	Catalytic activity of NanoCuO in the thermal decomposition of ammonium perchlorate – A review", Jisna Jos, Suresh Mathew , National Seminar on Nano science and Technology on February 15th& 16th, 2013 at Department of Science and Humanities, SreeNarayanaGurukulam College of Engineering, Kadayiruppu, Kolenchery
34.	Grapheme based TiO ₂ Nano composites- A review", Divya K.S, Suresh Mathew. National Seminar on Nano science and Technology on February 15th& 16th, 2013 at Department of Science and Humanities, SreeNarayanaGurukulam College of Engineering, Kadayiruppu, Kolenchery
35.	Termary Hybrid of Nano TiO ₂ with noble metal and graphene- A Review, Umadevi T.U, Suresh Mathew , National Seminar on Nano science and Technology on February 15th& 16th, 2013 at Department of Science and Humanities, SreeNarayanaGurukulam College of Engineering, Kadayiruppu, Kolenchery
36.	Development of photocatalytic efficient palladium loaded titania nanostructures, T. Suprabha, Suresh Mathew , National Seminar on Nano science and Technology on February 15th& 16th, 2013 at Department of Science and Humanities, Sree Narayana Gurukulam College of Engineering, Kadayiruppu, Kolenchery
37.	Invited Talk on Photocatalysis of Nanotitania in National Seminar on Nano science and Technology on February 15th& 16th, 2013 at Department of Science and Humanities, SreeNarayanaGurukulam College of Engineering, Kadayiruppu, Kolenchery(Suresh Mathew)
38.	Design of hormone selective membrane for the recognition of testosterone, Anju Augustine & B. Mathew . 25th Kerala science congress Thiruvanathapuram KSCSTE, January, 2013
39.	Testosterone receptopr bindig mimic constructed using molecular imprinted membranes, Anju Augustine & B. Mathew . International Conference on Asian Polymer Association, Punjab University, February 21-23, 2013.
40.	Synthesis and Characterisation of Anti-tumour Drug Imprinted Polymer on Multi-Walled Carbon Nanotubes, Sooraj M. P & B. Mathew . International Conference on Multidisciplinary Frontiers of Medicinal Chemistry: Synthesis, Molecular biology & Technology SASTRA University, Thanjavur, January 18-19, 2013.
41.	Artificial Receptor Systems on Multi-Walled Carbon Nanotube for Anti-Tumour Drug recognition: Synthesis, Characterisation & Optimization, Sooraj M. P & B. Mathew. The India-Israel Meeting on Material science and Nanoscience (IIMMN-2013), Centre for Nanoscience and Technology, Mahatma Gandhi University Kottayam, January 18-19, 2013.
42.	Molecularly Imprinted Polymer on Multi-Walled Carbon Nanotube for Cimetidine Recognition, Sooraj M. P & B. Mathew . National seminar on Nanoscience and Technology, Sree Narayana College of Engineering, Ernakulam, February 15-16, 2013.
43.	Synthesis and Characterisation of Anti-tumour Drug Tailored Molecularly Imprinted Polymer on Multi-Walled Carbon Nanotubes, Sooraj M. P & B. Mathew . International Conference on Asian Polymer Association Punjab University, February 21-23, 2013.



- 44. Tailoring of Sorbents with Enhanced Chiral Recognition Properties by Molecular Imprinting Approach on Multiwalled Carbon Nanotubes, Sajini T, Rohini Ashok & Beena Mathew. International Conference on Asian Polymer Association Punjab University, February 21-23,2013.
- 45. Molecular Imprinting Approach on Multiwalled Carbon Nanotubes for the Design of Enantioselective Sorbents for D-Mandelic Acid, Sajini T, Rohini Ashok & **Beena Mathew**, CTriC-2013 Cochin University, March 22-23, 2013.
- 46. Molecularly Imprinted Polymer on Multi-Walled Carbon Nanotubes for Cimetidine Recognition: Synthesis and Characterisation, Sooraj M. P & **B. Mathew** First International Conference on Advanced Nanocomposite for Construction Materials (ICNC 2013), M.G. University, Kottayam, March 12-14, 2013.
- 47. Recognition of 5-Fluoro uracil (5- FU) by multiwalled carbon nanotubes, Jeena Abraham & **B.Mathew.** Indo-IsraelInternational conference Nanoscience andMahatma Gandhi University, Kottayam,2013.
- 48. Fabrication of multiwalled carbon nanotubes based on the molecularly imprinted polymers for 5-Fluoro uracil recognition, Jeena Abraham & **B. Mathew** International Conference on Asian Polymer Association Punjab University, February 21-23, 2013.
- 49. Microwave assisted synthesis of starch stabilized silver nano particles and its catalytic and antibacterail activity studies, Siby Joseph & **B. Mathew**. Indo-Israel International conference Centre for Nanoscience and Technology, Mahatma Gandhi University Kottayam, January 18-19, 2013.
- 50. Removal of toxic metal ions from simulated waste water by solid phase extraction using hydrophilic semi-interpenetrating polymer networks, Shiby Susan Kuriakose & **Beena Mathew**. Frontiers in Chemical Sciences FICS2012 IIT, Guwahati, Nov 27-29, 2012.
- 51. Crosslinked aminopolyacrylamide supported Rose Bengal as polymeric photosensitize, Gigymol M. G & **Beena Mathew**. Frontiers in Chemical Sciences FICS2012 IIT, Guwahati, Nov 27-29, 2012.
- 52. Design of Copper Ion Selective Polymers with Enhanced Selectivity and Specificity, Bindu M. S & **Beena Mathew**. Frontiers in Chemical Sciences FICS2012 IIT, Guwahati, Nov 27-29, 2012.
- 53. **Prof. Sabu Thomas**, 2013 Feb, Invited Speaker, Adam Mickiewicz University, Poznan, Poland
- 54. Effect of crosslinking on the reactivity of Polyacrylamide-supported chromates, Suma Bino Thomas & **B. Mathew**. UGC sponsored national seminar on Modern trends in Organic Chemistry, Baselius College, Kottayam, 2012.
- 55. Design of molecular imprinted polymers with selectivity towards of L-phenyl lactic acid, Smitha K. R &**B.Mathew**. UGC sponsored national seminar on Modern trends in Organic Chemistry, Baselius College, Kottayam, 2012.
- 56. Development of a new chitosan IPN as a chelating agent for environmental application Shiby Susan Kuriakose & **Beena Mathew**. Kerala Science Congress, Rubber Board, Kottayam, 2012
- 57. Cooperative catalysis of a transition state analogue (TSA) imprinted polymer for hydrolytic reaction of amino acid esters, Deepthi K. P & **B. Mathew**. UGC sponsored national seminar on Modern trends in Organic Chemistry Baselius College, Kottayam,2012
- 58. A Transition State Analogue Imprinted Polymer as an Efficient Catalyst for Amino Acid Ester Hydrolysis, Deepthi K. P & **Beena Mathew**. Frontiers in Chemical Sciences FICS2012 IIT, Guwahati, Nov 27-29, 2012.



59.	Fabrication of multiwalled carbon nanotubes based on the molecularly imprinted polymers for 5-Fluoro uracil recognition, Jeena Abraham & B. Mathew International Conference on Asian Polymer Association Punjab University, February 21-23, 2013.
60.	Microwave assisted synthesis of starch stabilized silver nano particles and its catalytic and antibacterail activity studies, Siby Joseph & B. Mathew. Indo-Israel International conference Centre for Nanoscience and Technology, Mahatma Gandhi University Kottayam, January 18-19, 2013
61.	Removal of toxic metal ions from simulated waste water by solid phase extraction
	using hydrophilic semi-interpenetrating polymer networks, Shiby Susan Kuriakose & Beena Mathew . Frontiers in Chemical Sciences FICS2012 IIT, Guwahati, Nov 27-29, 2012
62.	Crosslinked aminopolyacrylamide supported Rose Bengal as polymeric photosensitize, Gigymol M. G & Beena Mathew . Frontiers in Chemical Sciences FICS2012 IIT, Guwahati, Nov 27-29, 2012.
63.	Design of Copper Ion Selective Polymers with Enhanced Selectivity and Specificity, Bindu M. S & Beena Mathew . Frontiers in Chemical Sciences FICS2012 IIT, Guwahati, Nov 27-29, 2012. Prof. Sabu Thomas , 2013 Feb, Invited Speaker, Adam Mickiewicz University, Poznan, Poland
64.	Effect of crosslinking on the reactivity of Polyacrylamide-supported chromates, Suma Bino Thomas & B. Mathew . UGC sponsored national seminar on Modern trends in Organic Chemistry, Baselius College, Kottayam, 2012.
65.	Design of molecular imprinted polymers with selectivity towards of L-phenyl lactic acid, Smitha K. R & B.Mathew . UGC sponsored national seminar on Modern trends in Organic Chemistry, Baselius College, Kottayam, 2012.
66.	Development of a new chitosan IPN as a chelating agent for environmental application Shiby Susan Kuriakose & Beena Mathew . Kerala Science Congress, Rubber Board, Kottayam, 2012
67.	Cooperative catalysis of a transition state analogue (TSA) imprinted polymer for hydrolytic reaction of amino acid esters, Deepthi K. P & B. Mathew . UGC sponsored national seminar on Modern trends in Organic Chemistry Baselius College, Kottayam, 2012
68.	A Transition State Analogue Imprinted Polymer as an Efficient Catalyst for Amino Acid Ester Hydrolysis, Deepthi K. P & Beena Mathew . Frontiers in Chemical Sciences FICS2012 IIT, Guwahati, Nov 27-29, 2012
69.	Enantioselectivity of Chymotrypsin Mimic in Amidolysis of dipeptides: Divya Mathew, Benny Thomas and K. S. Devaky ; International Conference on Advanced in Materials and its applications, Alphonsa College ,Palai, 26- 28 March 2014.
70.	Study on the catalytic Activity of Transition State Analogue imprinted Enzyme Mimic and Evaluation of the Imprinting Effect in the hydrolysis of Dipeptides: National Seminar on Advances in Nanomaterials and Polymers, Divya Mathew, Benny Thomas and K. S. Devaky , Bharatha Mata College, Thrikkakkara, 11 & 12 March 2014
71.	Preparation and catalytic activity of TSA imprinted polymer for the hydrolysis of amino acid esters, Christy Philip and K.S. Devaky , 23rd Swadeshi Science Congress, Kottayam
72.	Catalytic Amidolysis of Methyl Ester of N-t-Butyloxycarbonyl-O-Benzyltyrosyl Glycine using Polymer-Supported Transition State Analogues as Chymotrypsin Mimic: Divya Mathew, Benny Thomas and K. S. Devaky ; National Seminar on Recent Advances in Material Science, NSS College, Vazhoor 4 & 5 March 2014.



- 73. Polymer Anchored Transition State Analogues for Amidolysis: Divya Mathew, Benny Thomas and **K. S. Devaky**; Proceedings of the National Seminar on Emerging Trends in Polymeric Materials, Christian college Chengannur, 23 & 24 January 2014.
- 74. Solid phase synthesis of peptoids and their metal ion binding properties, Geetu Joseph and **K. S. Devaky**; 04-016 26th Kerala Science congress, Wayanad 28-31 January, 2014
- 75. Invited talk on "Fundamentals and Applications of Pericyclic Reactions" at M.E.S College, Nedumkandam, Kerala in a National Seminar on "Conducting materials probing methods: Novel properties and Emerging applications on 19th December 2013 (S.Anas)
- 76. A.M. Rouf, J. Tibbelin, B. O. Jahn, **S. Anas**, R. Emanuelsson, K.Lozinski, H.Ottosson. Efficient and convenient acid catalyzed hypersilyl protection of alcohols and thiols by tris(trimethylsilyl)silyl-N,N-dimethylmethaneamide. a paper presentation at 245th ACS
- 77. National Meeting and Exposition. New Orleans, Louisiana, USA April 7-11, 2013, #pub312. (**S.Anas**)
- 78. Paper presented entitled "Our research practices: A re-search" in the national seminar on "Research Education in Kerala: Trends/Gaps" organized by Society for Educational (S.Anas)
- 79. Research in connection with Kerala Education Congress conducted by SIO Kerala Chapter held at Thiruvanathapuram on 16-17 November 2013. (**S.Anas**)
- 80. Invited talk on "Emerging Trends in Organic Chemistry" at T.K.M.M. College, (S.Anas)
- 81. Nangiarkulangara, Harippad, as part of the College seminar series Darsan-2014 on 18th February 2014. (**S.Anas**)
- 82. Polyacrylonitrile based molecular imprinted membranes for the detection of progesterone in human urine, Anju Augustine & **Beena Mathew**. The International Conference on Advanced Materials and its Applications (ICAMA 2014, Alphonsa College, Pala, March 26-28, 2014.
- A facile approach for the separation of chiral molecules using molecular imprinting technique on multiwalled carbon nanotubes, Sajini T & **Beena Mathew**. The International Conference on Advanced Materials and its Applications (ICAMA 2014), Alphonsa College, Pala, March 26-28, 2014.
- 84. Molecularly imprinted polymers of 5-Fluoro uracil surface based on multiwalled carbon nanotube, Jeena Abraham & **Beena Mathew**. ICMCT-2014 Vellore Institute of Tecnology, Vellore, March 10-12, 2014.
- 85. Taihloring of enantio-selective nanosorbents using molecular imprinting technology, Sooraj.M.P & **Beena Mathew**. National Seminar on Emerging Trends in Polymeric Materails (ETPM 2014) Department of Chemistry, Christian College, Chengannur, January 23-24, 2014
- 86. Synthesis and characterization of vinyl functionalized multiwalled carbon nanotub basedmolecularly imprinted polymer for the separation of 5-Fluoro uracil, Jeena Abraham & **Beena Mathew**. National Seminar on Emerging Trends in Polymeric Materails (ETPM 2014), Department of Chemistry, Christian College, Chengannur, January 23-24, 2014.
- 87. Polyacrylonitrile based molecular imprinted membranes for the detection of progesterone in human urine, Anju Augustine & **Beena Mathew**. The International Conference on Advanced Materials and its Applications (ICAMA 2014), Alphonsa College, Pala, March 26-28, 2014.



88.	Enatiomeric separation of L-DOPA by structure-specific sorbents based on nanostructure, Sooraj.M.P & Beena Mathew. The International Conference on
	Advanced Materials and its Applications (ICAMA 2014), Alphonsa College, Pala,
	March 26-28, 2014.
89.	pH Triggered vesicle and biodegradable polymersomes based on PEG-b-PCL grafted
	poly(α-amino ester) for anti-cancer drug delivery, Jeena Abraham & Beena
	Mathew. The International Conference on Advanced Materials and its Applications
	(ICAMA 2014), Alphonsa College, Pala, March 26-28, 2014.
90.	Synthesis of silver nanoparticles by microwave irradiation and investigation of their
	catalytic activity, Siby Joseph & B. Mathew. 3rd International science congress,
	International science congress association, December 8-9, 2013
91.	Microwave assisted synthesis of silver nanoparticles and evaluation of their catalytic
	activity, Siby Joseph & B. Mathew . National conference on recent trends in material
	science & technology Department of Chemistry, Indian Institute of space science &
0.2	technology, July 10-12, 2013.
92.	Fabrication of molecularly imprinted sorbents based on multiwalled carbon
	nanotubes for selective and sensitive determination of tyramine, Rohini Ashok & B. Mathew . National Conference on Recent Trends in Materials Science &
	Technology, NCMST-2013 IIST, Thiruvananthapuram, Kerala, India, July 10-12,
	2013.
93.	Tailoring of Recognition Sites for Tyramine using Molecular Imprinting Approach
,	on Multiwalled Carbon Nanotube, Rohini Ashok & B. Mathew . International
	Conference on Advances in Material Science ICAMS 2013, Post Graduate
	Department of Chemistry, Sree Sankara College Kalady, Kerala, India, October 23-
	24, 2013
94.	Tailoring of sorbents for the selective recognition of tyramine based on molecular
	imprinting approach on multiwalled carbon nanotube, Rohini Ashok & B. Mathew.
	Science Congress, ISC-2013 Karunya University, Coimbatore, Tamil Nadu, India,
0.5	December 8-9, 2013.
95.	Prof. Sabu Thomas, Senior Visiting Professor, University Technology Mara
96.	(UiTM), Malaysia Prof. Sabu Thomas , 2014 June, Visiting Professor, Warsaw University of
90.	Technology, Warsaw, Poland
97.	Prof. Sabu Thomas, 2014 March, Pleanry Speaker, Univerity of Basra, Iraq
98.	Prof. Sabu Thomas, 9th International Materials Technology & Conference
	(IMTCE2014)-Masterclass at PWTC, Kuala Lumpur., Invited Speaker, University
	Tehcology, Mara, Malaysia
99.	Prof. Sabu Thomas, 2014, Invited Speaker, Warsaw University of Tehcology,
	Warsaw, Poland
100.	Prof. Sabu Thomas, 2014, Invited Speaker, Durban University of Tehcnology,
101	Durban, South Africa
101.	Prof. Sabu Thomas , 2014, July, Invited Speaker, CSIR, Port Elizabeth, South
102	Africa Prof. Sohn Thomas, 2014 July, Junited Speaker, Cone Peninsule University of
102.	Prof. Sabu Thomas , 2014 July, Invited Speaker, Cape Peninsula University of Tabcology, Cape Town, South Africa
103.	Tehcology, Cape Town, South Africa Prof. Sabu Thomas , 2014, Invited Speaker, Spain
103.	Prof. Sabu Thomas, Invited Speaker, IPC2014 Secretariat, The Society of Polymer
107.	Science, Japan (SPSJ), Tokyo Japan
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105.	Invited Talk, Prof.Sabu Thomas , Third International Conference on Recycling and Reuse of Materials (ICRM 2014): April 2014
106.	Invited Talk , Prof.Sabu Thomas , First World Conference on Fracture and Damage Mechanics (FRACTURE 2014): August 2014.
107.	Prof.Sabu Thomas , Third International Conference on Polymer Processing and Characterization (ICPPC 2014): October 2014
108.	Invited Talk, Prof.Sabu Thomas , Second International Conference On
	Nanostructured Materials and Nanocomposites (ICNM 2014): December 2014
109.	Invited Talk , Prof.Sabu Thomas International Symposium on Advanced Polymeric Materials 2014 (ISAPM 2014) held at Putra World Trade Centre, Kuala Lumpur, Malaysia
110.	Cerificate of Appreciation to Prof. Sabu Thomas , Invited Speaker International
	Polymer technology Conference ans Exhibition 2013, Organised by Faculty of
	Applied Science, UiTM,, Malaysia and German Alumni Association Malaysia.
111.	Prof.Sabu Thomas , Invited Speaker, National Seminar on Nanotechnology and renewable Energy, 2013. Organised by K.E. College Mananam
112.	Prof.Sabu Thomas, - Chief Guest And Delivered Keynote Speak In A 3 Day
	Workshop On Advanced Materials And Modern Manufacturing Techniques
	(AMMMT-2014)On "Nano Materials For Futuristic Applications organized by
	Saintgits College of Engineering in association with ISTE Saintgits chapter
113.	Invited Talk by Prof.Sabu Thomas, National Conference on Recent trends in
	Material Science and Technology,2013 Organisd by Dept.of Chemistry,Indian
	Institute of Space science and Technology, Govt of India, Valiayamala
114.	Oral presentation by Shainu Koshy,.International Symposium on Advanced Polymeric Materials (Prof.Sabu Thomas)
115.	Anu Tresa Sunny Presented a poster by POLYCHAR 22 - 11 April 2014, Stellenbosch, South Africa (Prof.Sabu Thomas)
116.	(ISAPM 2014) organized by Institute of Materials, Malaysia (IMM), held at Putra
117	World Trade Centre, Kuala Lumpur, Malaysia
117.	Oral presentation by Hanna J Maria for paper entitled "The role of nanoclay in harmonizing the properties of immiscible and incompatible natural rubber/nitrile
	rubber blends in . International Symposium on Advanced Polymeric Materials 2014
	(ISAPM 2014) held at Putra World Trade Centre, Kuala Lumpur, Malaysia,
	(Prof.Sabu Thomas)
118.	Presented a poster Hanna J Maria in International Conference on Advanced
110.	Polymeric Materials (ICAPM-2013) organized by the International Unit of
	Macromolecular Research, Mahatma Gandhi University, Kottayam, Kerala, India
	during Octoer 11, 12 and 13, 2013 (Prof.Sabu Thomas).
119.	International Conference on Frontiers of Mass Spectrometry ICMS 2013 on 6-9
	September, 2013 at Kottayam, (Dr. S. Anas)
120.	National Colloquium on Recent Trends in Organic and Bioorganic Chemistry on 24-
	26 October, 2013 at Calicut University, Calicut, (Participation, (Dr. S. Anas)
121.	National Conference on Heavy Metals in Environment HME 2013 on 28-30
	November, 2013 at Kottayam (Participation, (Dr. S. Anas)
122.	National Symposium on Recent Advances in Macromolecular Science and
	Engineering on 30-31 December, 2013 at Kottayam (Participation, (Dr. S. Anas))
123.	26th Kerala Science Congress at Kerala Veterinary University, on 28-31 January, 2014 at Pookode Wayanad Participation, (Dr. S. Anas)
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124.	International Conference on Nano Biomaterials Nanobio 2014 on 4-6 July, 2014 at Kottayam (Participation, (Dr. S. Anas)
125.	National Colloquium on Recent Trends in Organic and Bioorganic Chemistry on 18-20 July, 2014 at Kottayam(Participation, (Dr. S. Anas)
126.	National Symposium on Transcending Frontiers in Organic Chemistry 2014 at NIIST Trivandrum 9-11 October 2014 (Participation (Dr. S. Anas)
127.	3rd Euro-India International Conference on Nanomedicine and Tissue Engineering ICNT 2013, 9-11Aug, 2013, Kottayam (Participation (Dr. S. Anas)
128.	Preparation of Functionalized Polystyrene-co-Polysioprene Star Gel by Photochemical RAFT Polymerization at Ambient Temperature. Raju Francis and Deepa K. Baby. APA International Congress on Advances in Human Healthcare Systems, "Healthcare India 2012", February 20-23, 2012, New Delhi, India.
129.	N-Methylolmaleimide – A Comonomer Which Reversibly Changes the LCST Value of Thermo Sensitive Polymers". Raju Francis , Soumya Sasikumar and Deepa K. Baby. World Congress on Engineering and Technology (CET 2012). Beijing, China from Oct. 26 to Oct. 28, 2012.
130.	Synthesis of Organic-Inorganic Hybrid Materials- Their Morphological Studies Using Scanning Electron Microscopy". Geethy P. Gopalan, Anjaly Sivadas and Raju Francis . DAE-BRNS 4 th Interdisciplinary Symposium on Material Chemistry, ISMC-2012 held at BARC, Mumbai, December 11-15, 2012.
131.	N-Methylol Maleimide – A Comonomer Which Causes Changes in Morphological Behaviour of Thermosensitive Copolymers". Soumya Sasikumar, Deepa K Baby and Raju Francis . DAE-BRNS 4 th Interdisciplinary Symposium on Material Chemistry, ISMC-2012 held at BARC, Mumbai, December 11-15, 2012
132.	Reactive Blending of Star Block Copolymers with Epoxy Precursor - TEM and SEM Analysis. Amrutha P Thankachan, Deepa K Baby and Raju Francis. DAE-BRNS 4 th Interdisciplinary Symposium on Material Chemistry, ISMC- 2012 held at BARC, Mumbai, December 11-15, 2012
133.	Preparation of Functionalized Polystyrene-co-Polysioprene Star Gel by Photochemical RAFT Polymerization at Ambient Temperature. Raju Francis and Deepa K. Baby. APA International Congress on Advances in Human Healthcare Systems, "Healthcare India 2012", February 20-23, 2012, New Delhi
134.	N-Methylolmaleimide – A Comonomer Which Reversibly Changes the LCST Value of Thermo Sensitive Polymers. Raju Francis , Soumya Sasikumar and Deepa K. Baby. World Congress on Engineering and Technology (CET 2012). Accepted for presentation. Beijing, China from Oct. 26 to Oct. 28, 2012.
135.	Synthesis of Organic-Inorganic Hybrid Materials- Their Morphological Studies Using Scanning Electron Microscopy. Geethy P. Gopalan, Anjaly Sivadas and Raju Francis . DAE-BRNS 4 th Interdisciplinary Symposium on Material Chemistry, ISMC-2012 held at BARC, Mumbai, December 11-15, 2012
136.	"N-Methylol Maleimide – A Comonomer Which Causes Changes in Morphological Behaviour of Thermosensitive Copolymers". Soumya Sasikumar, Deepa K Baby and Raju Francis. DAE-BRNS 4 th Interdisciplinary Symposium on Material Chemistry, ISMC-2012 held at BARC, Mumbai, December 11-15, 2012
137.	Complexation and Efficient Removal of Metal ions by Tailor Made Polymeric Materials". Deepa K. Baby, Soumya Sasikumar and Raju Francis. International Conference on Advanced Functional Materials, ICAFM -2014 to be held in Trivandrum during Feb 19-21, 2014



138. N-Methylolmaleimide - A Comonomer Which Reversibly Changes the Thermo Sensitive Properties of Polymers" by Raju Francis, Soumya Sasikumar and Deepa K. Babyhas been accepted for oral presentation in the International Conference On Applied Chemistry (ICONAC) to be held on 5-7 March 2014 at Fiji National University (FNU), Suva, Fiji. Autocatalytic Sol-gel synthesis of Organic-Inorganic Hybrid Material". Geethy P 139. Gopalan and Raju Francis. DAE-BRNS 5th Interdisciplinary Symposium on Material Chemistry, ISMC-2014, BARC, Mumbai, December 11-15, 2014. 140. Synthesis, Morphological Studies and Mechanical Properties of Star Polystyrene -Epoxy Blends. Anjaly Sivadas, Deepa K.Baby and Raju Francis, DAE-BRNS 5th Interdisciplinary Symposium on Material Chemistry, ISMC-2014, BARC, Mumbai, December 11-15, 2014. 141. Role of Initiators on Chain End Selectivity of Poly(N-Isopropylacrylamide) Exfoliation of Carbon Nanotubes". Nidhin Joy and Raju Francis, DAE-BRNS 5thInterdisciplinary Symposium on Material Chemistry, ISMC-2014, BARC, Mumbai, December 11-15, 2014. 142. Prof. Sabu Thomas, Invited Speaker, National Seminar on Current Trends in Chemistry CtriC 2014,held Cochin University of Science and at Technology, Department of Applied Chemistry, Kochi. 143. Prof. Sabu Thomas, Invited Speaker, National Seminar on Recent Approaches in Biochemical Research organised by Dept.of Biochemistry, University Kerala, Thiruvanthapuram Prof. Sabu Thomas, Invited Speaker, National Seminar on Perspectives 144. Material Science- POLYMACS- 14 sponsored by KSCSTE and organised by Dept of Polymer Chemistry, Marthoma College of Science and Technology, AYUR on Nov 2014. 145. Prof. Sabu Thomas, Invited Speaker, 2nd International Conference of Chemistry, organized by Department of Chemistry College of Science, University of Basrah, Iraq Invited Talk by Prof.Sabu Thomas, National Conference on Recent trends in 146. Material Science and Technology, 2015 Organised by Dept. of Chemistry, Indian Institute of Space science and Technology, Govt of India, Valiayamala 147. National Technology Day-On 12th May 2015-Chief Guest And Delivered Keynote Speak On "Nano Materials For Electronic Applications" organized by Saintgits College of Engineering in association with IEEE SSCS Saintgits SB chapter (Prof. Sabu Thomas) 148. Prof. Sabu Thomas Inivited speaker, Fourth international Conference on Natural Polymers and Biomaterials (ICNP 2015): 10-12 April 2015 149. Prof. Sabu Thomas, 2015 March CNRS, Strasbourg, France 150. **Prof. Sabu Thomas**, 2015 March Institute for Polymer Research Dresden (IPF), Dresden, Germany 151. Prof. Sabu Thomas, 2015 March Visiting Professor, LIMATB, France 152. **Prof. Sabu Thomas**, 2015 March Institute for Polymer Research Dresden (IPF), Dresden, Germany 153. **Prof. Sabu Thomas,** 2015 Invited Speaker, Singapore Prof. Sabu Thomas, 2015 University of Graz, Austria 154. 155. **Prof. Sabu Thomas**, 2015 conference Turkey 156. Hydrothermal Synthesis of Magnetic Nanostructures using Ionic Liquid", Aswathy joseph, Vishnu Sivan, Suresh Mathew, National seminar; Frontiers of Polymers and



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	Advanced Materials (FPAM-2014); at Department of Chemistry , University of Kerala, 5th to 7th November 2014
157.	Influence of Palladium Loading on the Degradation Property of Titania Nanostructures"; Suprabha T, Suresh Mathew , International Conference on "Emerging Trends in Engineering and Management (ICETEM-14)" on December 30th& 31st, 2014 at SreeNarayanaGurukulam College of Engineering Kadayiruppu, Kolenchery
158.	A nano Calcium metal organic framework constructed from 1, 2-phenylenediacetic acid: Synthesis, luminescence and thermalstability" - Seetharaj R, Vandana P.V, Tony Francisand Suresh Mathew in the National Seminar on Modern Trends in Chemistry organized by Department of Chemistry, St. Joseph's college, Irinjalakuda, January 23-24, 2015.
159.	Synthesis and characterization of cerium metal organic frameworks constructed by pyridine 2, 6 dicarboxylicacid" -Vandana P.V, Seetharaj R, Sethulakshmi P and Suresh Mathew in the National Seminar on Modern Trends in Chemistry organized by Department of Chemistry, St. Joseph's college, Irinjalakuda, January 23-24, 2015.
160.	Advanced thermo analytical techniques as a diagnostic tool for phase transition studies"- Suresh Mathew , National Conference on Advanced Technologies for material processing and diagnostics organized by Indian Society of Analytical Scientists (ISAS)- Kerala chapter, September 18-20, 2014
161.	Photocatalytic Organic Pollutant Degradation in Iron based Nano Metal organic frameworks under U.V. light irradiation"-Vandana P.V Seetharaj R and Suresh Mathew in the National Conference on Materials Science and Technology organized by Department of Chemistry, Indian Institute of Space and Technology, Trivandrum, 2015
162.	Catalytic Activity of Self Assembled Nano CuO on the Thermal Decomposition of Ammonium Nitrate"— Jisna Jos and Suresh Mathew in the National Conference on Materials Science and Technology organized by Department of Chemistry, Indian Institute of Space and Technology, Trivandrum,, 2015
163.	Catalytic Activity of an Enzyme Mimic Molecular Imprinted Polymer for the Hydrolysis of Amino Acid Esters: Christy Philip and K. S. Devaky 27th Kerala Science congress 26-29 January,201
164.	Catalytic Amidolysis of Peptides by Chymotrypsin Mimics- Effect of Metal Ion Complexation on Imprinting: Divya Mathew, Benny Thomas and K. S. Devaky ; 27th Kerala Science congress 27-29 January,2015
165.	Fabrication of Transition State Analogue (TSA) Sites on Multiwalled Carbon Nanotubes for the Hydrolysis of Amino Acid Esters: Christy Philip and K. S. Devaky , International Conference on Green Chemistry, Catalysis, Energy and Environment, Goa University, Goa, 22-24 January, 2015
166.	Oxidation of Diphenylcarbinol by Polymer Supported Dichromate Reagent: Benny Thomas, Divya Mathew and K.S. Devaky; UGC sponsored National Seminar on Chemistry for Tomorrow's World, B.K. College, Amalagiri, Kottayam, 22-24 January, 2015.
167.	Catalytic Activity of an Enzyme Mimic Molecular Imprinted Polymer for the Hydrolysis of Amino Acid Esters: Christy Philip and K. S. Devaky 27th Kerala Science congress 26-29 January,2015
168.	Catalytic Amidolysis of Peptides by Chymotrypsin Mimics- Effect of Metal Ion Complexation on Imprinting: Divya Mathew, Benny Thomas and K. S. Devaky ; 27th Kerala Science congress 27-29 January,2015



169.	National Workshop on Nuclear Magnetic resonance Spectroscopy: Theory and Applications organized by Srinivasa Ramanujan Institute for Basic Sciences held at IIRBS, M. G. University, Kottayam, 10-13 September, 2014 (S. Anas) Invited talk on "Developments in Organo-Transition metal chemistry" at SN
	College, Nattika, Kerala as part of the C.V. Sudhi memorial lecture series on 28 th March 2015(S. Anas)
170.	Invited talk on "Transition metal mediated organic synthesis" at Govt. College
	Kasaragod, Kerala in a National Seminar on "Recent Challenges and Progresses in Chemistry (RCPC-2014) on 20 th October 2014. (S. Anas)
171.	Invited talk on "Scientific Research: Methodology/Trends/Gaps" at St. Joseph's
	Training College, Mannanam, Kottayam on 28 th February 2014 in connection with
	the National Science day celebrations. (S. Anas)
172.	Invited talk on "Scientific Research: Trends/Gaps" at Kerala University College of
	Teacher Education, Kayamkulam, Kerala in the National Seminar on "Acculturation
	of Scientific and Social Self": Nurturing Scientific Temper as a Way of Life" on 6th
	February 2014. (S. Anas)
173.	Invited talk on "Transition metal mediated organic synthesis" at Govt. College
	Kasaragod, Kerala in a National Seminar on "Recent Challenges and Progresses in
	Chemistry (RCPC-2014) on 20th October 2014. (S. Anas)
174.	Novel protocol for Ullmann C-O coupling reactions under aerobic conditions A. M.
	Thomas and GAnilkumar pp 15, Proceedings of the National Seminar on Recent
	Trends in Chemistry 6-7 Nov 2014, Baselius College, Kottayam
175.	Novel Copper-catalyzed Sonogashira type coupling reactions A. Sujatha and G
	Anilkumar pp17,Proceedings of the National Seminar on Recent Trends in
	Chemistry 6-7 Nov 2014, Baselius College, Kottayam
176.	Iron-catalyzed thioetherification of thiols with aryl halides K. S. Sindhu and G
	Anilkumar pp 20, Proceedings of the National Seminar on Recent Trends in
177	Chemistry 6-7 Nov 2014, Baselius College, Kottayam
177.	A General method for the formation of C-S bonds using Zn(II)-catalysts A. P.
	Thankachan and G Anilkumar pp 37, Proceedings of the National Seminar on
179	Recent Trends in Chemistry 6-7 Nov 2014, Baselius College, Kottayam A Novel protect for the formation of C.S. bonds using Zn(II) catalysts A. P.
178.	A Novel protocol for the formation of C-S bonds using Zn(II)-catalysts A. P. Thankachan and G. Anilkumar pp 34, Proceedings of the 13th Prof. K. V. Thomas
	Endowment National seminar New Frontiers in Chemical Research 4-5 Dec 2014 S.
	H. College, Cochin
179.	Novel copper-catalyzed Sonogashira type C-C bond forming reactions A. Sujatha
177.	and G. Anilkumar pp. 77, Proceedings of the 13th Prof. K. V. Thomas Endowment
	National seminar New Frontiers in Chemical Research 4-5 Dec 2014 S. H. College,
	Cochin
180.	Novel copper-mediated Carbon-heteroatom coupling reactions A. M. Thomas and G.
	Anilkumar pp 81, Proceedings of the 13th Prof. K. V. Thomas Endowment National
	seminar New Frontiers in Chemical Research 4-5 Dec 2014 S. H. College, Cochin
181.	An efficient iron catalyzed cross coupling reaction of thiols with aryl halides Sindhu
	K S and G. Anilkumar pp 42, Proceedings of the 27th Kerala Science Congress 27-
	29 January 2015 at Alappuzha
182.	Novel Zinc catalyzed C-S cross coupling reactions of aryl halides with aryl thiols
	Amrutha P Thankachan and G. Anilkumar pp 47, Proceedings of the 27th Kerala
	Science Congress 27-29 January 2015 at Alappuzha



183.	Novel protocol for Ullmann diaryl ether synthesis under aerobic conditions Anns Maria Thomas and G.Anilkmar pp 57, Proceedings of the 27th Kerala Science
	Congress 27-29 January 2015 at Alappuzha
184.	CuI/trans 1,2-diaminocyclohexane-catalysed coupling reactions of aryl halides with
101.	terminalalkynes, Asha Sujatha and G. Anilkumar pp 46, Proceedings of the 27th
	Kerala Science Congress 27-29 January 2015 at Alappuzha.
185.	Poster presentation P. Harinarayanan, G. Anilkumar, S. Thomas, at the Third
	international conference on Natural polymers, Biopolymers, Bio materials, their
	composites, Blends and Gels ICNP 2012, Kottayam, October 26-28, 2012, pp 204
	(P-76)
186.	Poster presentation at the international conference on advanced polymeric materials
	(ICAPM 2013) on 11-13 October 2013 at Kottayam, India. Harinarayanan P. Sari P.
	S., Anilkumar G and Sabu Thomas pp 172 (P- 3)
187.	Poster presentation at National symposium on Transcending Frontiers in Organic
	Chemistry 2014 at NIIST Trivandrum 9-11 October 2014 A. P. Thankachan and G.
	Anilkumar pp 113
188.	Poster presentation at National symposium on Transcending Frontiers in Organic
	Chemistry 2014 at NIIST Trivandrum 9-11 October 2014 A. M. Thomas and G.
100	Anilkumar pp 115 Restan presentation at National symposium on Transcending Frontiers in Organia
189.	Poster presentation at National symposium on Transcending Frontiers in Organic Chemistry 2014 at NIIST Trivandrum 9-11 October 2014 Asha. S and G.
	Anilkumar pp 121
190.	Poster presentation An efficient iron catalyzed cross coupling reaction of thiols with
170.	aryl halides Sindhu K S and G. Anilkumar at the 27th Kerala Science Congress 27-
	29 January 2015 at Alappuzha
191.	Poster presentation Cul/trans 1,2-diaminocyclohexane-catalysed coupling reactions
	of aryl halides with terminalalkynes Asha Sujatha and G. Anilkumar at the 27th
	Kerala Science Congress 27-29 January 2015 at Alappuzha pp 46
192.	Poster presentation Novel Zinc catalyzed C-S cross coupling reactions of aryl halides
	with arylthiols Amrutha P Thankachan and G. Anilkumar at the 27th Kerala
	Science Congress 27-29 January 2015 at Alappuzha pp 47
193.	Poster communication Novel protocol for Ullmann diaryl ether synthesis under
	aerobic conditions Anns Maria Thomas and G. Anilkumar at the 27th Kerala
104	Science Congress 27-29 January 2015 at Alappuzha pp 57
194.	Poster presentation at the 25th Swadeshi Science Congress 16-18 December 2015,
195.	Kaladi, Kerala Amrutha P Thankachan and G. Anilkumar pp 73 Poster communication at the 25th Swadeshi Science Congress 16-18 December 2015
175.	at Kaladi, Kerala Anns Maria Thomas, Asha. S and G. Anilkumar pp 74
196.	Poster communication at the 25th Swadeshi Science Congress 16-18 December 2015
170.	at Kaladi, Kerala Sindhu K. S and G. Anilkumar pp 94
197.	Novel protocol for Ullmann C-O coupling reactions under aerobic conditions A. M.
- / / .	Thomas and G Anilkumar pp 15, Proceedings of the National Seminar on Recent
	Trends in Chemistry 6-7 Nov2014, Baselius College, Kottayam
198.	Novel Copper-catalyzed Sonogashira type coupling reactions A. Sujatha and G
	Anilkumar pp17, Proceedings of the National Seminar on Recent Trends in
	Chemistry 6-7 Nov 2014, BaseliusCollege, Kottayam
199.	Iron-catalyzed thioetherification of thiols with aryl halides K. S. Sindhu and G
	Anilkumar pp 20,Proceedings of the National Seminar on Recent Trends in
	Chemistry 6-7 Nov 2014, BaseliusCollege, Kottayam



200.	A General method for the formation of C-S bonds using Zn(II)-catalysts A. P. Thankachan and Anilkumar pp 37, Proceedings of the National Seminar on Recent
	Trends in Chemistry 6-7 No 2014, Baselius College, Kottayam
201.	A Novel protocol for the formation of C-S bonds using Zn(II)-catalysts A. P. Thankachan and GAnilkum ar pp 34, Proceedings of the 13th Prof. K. V. Thomas Endowment National seminar New Frontiers in Chemical Research 4-5 Dec 2014 S. H. College, Cochin
202.	Novel copper-catalyzed Sonogashira type C-C bond forming reactions A. Sujatha
202.	and G.Anilkumar pp 77, Proceedings of the 13th Prof. K. V. Thomas Endowment National seminar New Frontiers in Chemical Research 4-5 Dec 2014 S. H. College, Cochin
203.	Novel copper-mediated Carbon-heteroatom coupling reactions A. M. Thomas and G. Anilkumar pp81, Proceedings of the 13th Prof. K. V. Thomas Endowment National seminar New Frontiers in Chemical Research 4-5 Dec 2014 S. H. College, Cochin
204.	A novel protocol for the synthesis of 2-aryl benzo[b]furans and indoles using Copper catalysis" at the 28th Kerala Science Congress 28-30 January 2016 at Calicut University, Kozhikode, Kerala Anns Maria Thomas, Asha S and Gopinathan Anilkumar pp 2790-2797
205.	Ultrasonic characterization of 1-Butylpyridinium and 1-Butyl-4-methylpyridinium
200.	tetrafluoroborate ionic liquids", Aswathy Joseph, Suresh Mathew and A. S.
	Padmanabhan, International Conference on Material Science and Technology, 5 – 8
20.5	June 2016, St. Thomas College, Pala
206.	ZnO/Ag/PANI ternary composite for photocatalytic degradation of organic dyes,
	Marilyn Mary Xavier, P. Radhakrishnan Nair, Suresh Mathew", International
	Conference on Material Science and Technology, 5 – 8 June 2016, St. Thomas
	College, Pala
207.	Phase modification of ammonium nitrate doped with copper oxide", Jisna Jos,
	Vandana P. V. and Suresh Mathew, International Conference on Material Science
	and Technology, 5 – 8 June 2016, St. Thomas College, Pala.
208.	Systematic investigation of two dimensional cerium metal organic frameworks", Vandana P. V, Jisna Jos, and Suresh Mathew , International Conference on Material Science and Technology, 5 – 8 June 2016, St. Thomas College, Pala.
209.	Effect of microwave irradiation time on the photocatalytic activity of reduced graphene oxide (rGO)-ZnO nanocomposites under UV light irradiation", Divya K. S and Suresh Mathew , International Conference on Material Science and Technology, 5 – 8 June 2016, St. Thomas College, Pala.
210.	Synthesis and characterization of cerium metal organic frameworks constructed by pyridine 2,6 dicarboxylic acid" Vandana P.V, Seetharaj R, Sethulakshmi P and Suresh Mathew , National Seminar on Modern Trends in Chemistry, Dept of Chemistry, St Joseph's College, Jan. 3-4, 2015, Irinjalakuda
211.	Microwave assisted synthesis of Ag/RGO/ZnO nanocomposite with enhanced visible
	light photoactivity", Divya K S and Suresh Mathew , Matcon 2016, 14-15 January, 201
212.	A Nano Calcium Metal Organic Framework constructed from 1,2-phenylenediacetic
	acid: synthesis, luminescence and thermal stability", Seetharaj R, Vandana P.V,
	Tony Francis and Suresh Mathew, National Seminar on Modern Trends in
	Chemistry, Dept of Chemistry, St Joseph's College, Jan. 3-4, 2015, Irinjalakuda
213.	Catalytic Activity of Self Assembled Nano CuO on the Thermal Decomposition of
	Ammonium Nitrate", Jisna Jos and Suresh Mathew , NCMST 2015, IIST, Trivandrum, July 6-8, 2015, p 104



214.	Photocatalytic Organic Pollutant Degradation in Iron based Nano Metal Organic Frameworks under UV Light Irradiation", P V Vandana, R Seetharaj and Suresh Mathew , NCMST 2015, IIST, Trivandrum, July 6-8, 2015, p 113
215.	Two Dimensional Cerium Metal organic frameworks Constructed from Pyridine 2, 6 dicarboxylic acid", Vandana P.V, Seetharaj R and Suresh Mathew , National Seminar on Supramolecules and Nanomaterials: Basic concepts and Architectural Assemblies" on 17-18, November, 2015, Department of Chemistry, Sacred Heart College, Chalakudy.
216.	To Fabricate Iron Metal Organic Framework with Graphene oxide for Photocatalytic applications", Vandana P.V, Seetharaj R and Suresh Mathew , 25th Swadesi Science Congress, December 16-18, 2015, Sree Sankaracharya University of Sanskrit, Kalady.
217.	"Enhanced visible light photoactivity toward the degradation of Rhodamine B using GR/ZnO nanocomposites", Divya K S and Suresh Mathew , 25th Swadeshi Science Congress, December 16-18, 2015, Sree Sankaracharya University of Sanskrit, Kalady
218.	Density Functional Theory analysis of CO2 capture ability of 1-Butyl-4-methylpyridinium ionic liquids with chloride, bromide and tetrafluoroborate anions", Aswathy Joseph, Geethu Sasikumar, Stephy Jose, Vibin Ipe Thomas and Suresh Mathew , 25th Swadeshi Science Congress, December 16-18, 2015, Sree Sankaracharya University of Sanskrit, Kalady
219.	Tailoring of chiral sorbents on vinyl functionalized multiwalled carbon nanotubes via molecular imprinting technology, Sajini T. & Beena Mathew , International Conference on Materials for the Millennium (MatCon 2016), Cochin University of Science & Technology, January 13-16, 2016
220.	Tailoring of nanostructured material for the concentration of heavy metal ions from waste water, Archana Aravind & Beena Mathew , International Conference on Materials for the Millennium (MatCon 2016), Cochin University of Science & Technology, January 13-16, 2016
221.	Tailoring of molecularly imprinted polymer based sensor for antitumor drug 5-Fluoro uracil, Jaise Mariya George & Beena Mathew , International Conference on Nanomaterails and Nanotechnology (NANO 2015), Centre for Nanoscience and Technology, K.S.R. College of Technology, Tiruchengode, Tamil Nadu, December 7-10, 2015
222.	Nanostructured sorbents for the removal of heavy metal ions in waste water, Maria Sebastian & Beena Mathew , International Conference on Nanomaterials and Nanotechnology (NANO 2015), Centre for Nanoscience and Technology, K.S.R. College of Technology, Tiruchengode, T. Nadu, December 7-10, 2015
223.	Tailoring of nanostructured material for the concentration of heavy metal ions from waste water, Archana Aravind & Beena Mathew , International Conference on Nanomaterials and Nanotechnology (NANO 2015), Centre for Nanoscience and Technology, K.S.R. College of Technology, Tiruchengode, Tamil Nadu, December 7-10, 2015
224.	Green synthesis of silver nanoparticles and evaluation of their cytotoxicity, Priyanka R. N, Bini George, Saranya K .S , Nageswar Reddy M. & Beena Mathew , UGC Sponsored National Conference on Recent Adavnces in Spectroscopy: A Chemical and Biological Perspective II, Newman College, Thodupuzha, September 14-15, 2015



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225.	Fabrication of multi walled carbon nanotube based sorbents for L-DOPA recognition and separation from structurally related compounds, Sooraj M.P & Beena Mathew, UGC Sponsored National Conference on Recent Adavnces in Spectroscopy: A Chemical and Biological Perspective II, Newman College, Thodupuzha, September 14-15, 2015
226.	Facile synthesis of gold nanoparticles and investigation of their catalytic activity, Siby Joseph & Beena Mathew , 6 th Asian Conference on Colloid and Interface Science (ACCIS 2015), November 24-27, 2015, Nagasaki, Japan
227.	Microwave assisted facile green synthesis of silver nanoparticles and evaluation of their cytotoxicity, Bini George, Priyanka R. N, Saranya K .S, Nageswar Reddy M.& Beena Mathew , 6 th Asian Conference on Colloid and Interface Science (ACCIS 2015), November 24-27, 2015, Nagasaki, Japan
228.	Molecularly imprinted sorbents based on nanostructures for the enatiomeric separation of L-DOPA, Sooraj M.P & Beena Mathew , UGC Sponsored National Seminar on Nanochemistry: Techniques, Advancement and Applications, S.D. College, Alappuzha, October 16, 2015
229.	Evaluation of the copper ion adsorption properties of modified and unmodified multiwalled carbon nanotubes and charcoal, Sajini T & Beena Mathew , UGC Sponsored National Seminar on Nanochemistry: Techniques, Advancement and Applications, S.D. College, Alappuzha, October 16, 2015
230.	Synthesis and characterization of molecular imprinted polymer on mwcnt based on free-radical polymerization, Maria Sebastian & Beena Mathew , UGC Sponsored National Seminar on Nanochemistry: Techniques, Advancement and Applications, S.D. College, Alappuzha, October 16, 2015
231.	Metal ion imprinted alginate network as biosorbent, Girija p & Beena Mathew , UGC Sponsored National Seminar on Nanochemistry: Techniques, Advancement and Applications, S.D. College, Alappuzha, October 16, 2015
232.	Design of molecularly imprinted Cu(II) ion selective polymers, Bindu M. S & Beena Mathew, UGC Sponsored National Seminar on Nanochemistry: Techniques, Advancement and Applications, S.D. College, Alappuzha, October 16, 2015
233.	Biodegradable Polymer Vesicles: pH Dependent Polymersome Used as Anti-Cancer Drug DeliveryCarrier for 5-Fluoro Uracil, JeenaAbraham & Beena Mathew. Swadesi Science Congress, July 6-8, 2014.
234.	Molecular imprinted membrane as a synthetic receptor for the analysis of testosterone, Anju Augustine & B. Mathew . 5th Asian Conference on Colloid and Interface Science (ACCIS) University of North Bengal, Darjeeling, W. Bengal, November 20-23, 2014.
235.	Colloid and Interface Science (ACCIS), University of North Bengal, Darjeeling, W. Bengal November 20-23, 2014
236.	Fourth International Conference on Natural Polymers and Biomaterials (ICNP 2015): 10-12 April 2015
237.	Nanostructured sorbents for the removal of heavy metal ions in wastewater, Maria Sebastian & Beena Mathew , International Conference on Materials for the Millennium (MatCon 2016), Cochin University of Science & Technology, January 13-16, 2016
238.	Enantiomeric separation of S-Ibuprofen using multi-walled carbon nanotube based molecular imprinted sorbents, Sooraj M.P & Beena Mathew, 25th Swadeshi Science Congress, Sree Sankara University of Sanskrit, Kalady, December 16-18, 2015.



239.	Comparison of the metal ion adsorbtion properies of modified and unmodified multiwalled carbon nanotubes and charcoal, Sajini T & Beena Mathew , International Conference on Nanomaterials and Nanotechnology (NANO 2015), Centre for Nanoscience and Technology, K.S.R. College of Technology, Tiruchengode, Tamil Nadu, December 7-10, 2015
240.	Microwave assisted polymer mediated facile synthesis of silver nanoperticles and investigation of their catalytic activities, Shilpa Joy, Rajimol K. P & Beena Mathew , International Conference on Nanomaterials and Nanotechnology (NANO 2015), Centre for Nanoscience and Technology, K.S.R. College of Technology, Tiruchengode, Tamil Nadu, December 7-10, 2015
241.	Preparation and evaluation of multiwalled carbon nanotube incorparated molecular imprinted polymer, Anju Augustine & Beena Mathew , UGC Sponsored National Seminar on Nanochemistry: Techniques, Advancement and Applications, S.D. College, Alappuzha, October 16, 2015
242.	Synthesis and characterization of molecularly imprinted polymer on MWCNT, Archana Aravind & Beena Mathew , UGC Sponsored National Seminar on Nanochemistry: Techniques, Advancement and Applications, S.D. College, Alappuzha, October 16, 2015
243.	Solid phase synthesis of 4,6-diaminopyrimidinone: Aparna. E. P and K. S. Devaky , National Seminar on Recent Trends in Organic Synthesis and Chemical Biology (RTSB-2015), Annamalai University, October 9-10, 2015
244.	Modified polymer supported benzyl quaternary ammonium dichromate reagent as a polymeric oxidizing agent for the oxidation of thioanisole: Benny Thomas, Divya Mathew and K. S. Devaky , National Seminar on Recent Trends in Organic Synthesis and Chemical Biology (RTSB-2015), Annamalai University, October 9-10, 2015
245.	Kinetic study on the catalytic amidolysis of the dipeptide H-Tyr-Gly-OH using boronic ac id analogue imprinted chymotrypsin mimics: Divya Mathew, Benny Thomas and K. S. Devaky , National Seminar on Recent Trends in Organic Synthesis and Chemical Biology (RTSB-2015), Annamalai University, October 9-10, 2015.
246.	Kinetics of Substrate Specific Amidolysis of p-Nitroanilidesof Amino Acids by Chymotrypsin Mimics Imprinted with Phosphonate Analogue, Divya Mathew, Benny Thomas and K.S.Devaky ; "Emerging Trends in Nanomaterials" organized by Dept. of Chemistry, Sree Sankara Vidyapeetom College, Perumbavoor, Kerala, India, July 9-10, 2015.
247.	Kinetics of Oxidation of α- Amino Acids by Polymer Supported Dichromate Reagent: Benny Thomas, Divya Mathew and K.S. Devaky ; UGC sponsored National Seminar on "Emerging Trends in Nanomaterials" organized by Dept. of Chemistry, Sree Sankara Vidyapeetom College, Perumbavoor, Kerala, July
248.	National Seminar on Recent trends in Organic Synthesis and Chemical Biology (RTSB-2015)ANNAMALA UNIVERSITY ,October 9-10-2015, Solid phase synthesis of pyrazole derivatves: Ashly Thomas ,Sreejith MS , K.S Devaky
249.	Epoxy nanocomposites Aneesa P & Sabu Thomas , Best poster award -Deakin India Research Initiative – International Symposium on Translational Research 2015 held at NewDelhi from 7-8th December 2015
250.	Biomedical, Dr.Praveen.G & Sabu Thomas , UGC Sponsored National Seminar On "Emerging Trends In Nanomaterials" Organized By Dept. Of Chemistry, Sree Sankara Vidyapeetom College
251.	Biomedical , Dr.Praveen.G & Sabu Thomas , The Best Poster Presentation Award (Prof. D.M. Vasudevan Award),In Bioradiance-2015 'National Conference On



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	Frontiers In Diabetic Research And Treatment' Organized By Pushpagiri Research Centre, Tiruvalla, India		
252.	Cordyceps- a potent antidote for cancer , Blessy Joseph & Sabu Thomas , 1st Prize For Poster Competition "International Conference On Holistic Medicine -ICHM 2015		
253.	SBR/CNT nanocomposites, Jiji Abraham & Sabu Thomas , Best Paper Award, National Seminar On Advanced Polymer Materials(Hesperos 2015), Organized By Department Of Polymer Engineering Mahatma Gandhi University College of Engineering, Muttom, Thoupuzha, Kerala September 11&12, 2015		
254.	An efficient iron catalyzed cross coupling reaction of thiols with aryl halides Sindhu K S and G. Anilkumar at the 27th Kerala Science Congress 27-29 January 2015 at Alappuzha pp 42		
255.	CuI/trans 1,2-diaminocyclohexane-catalysed coupling reactions of aryl halides with terminalalkynes Asha Sujatha and G. Anilkumar at the 27th Kerala Science Congress 27-29 January2015 at Alappuzha46		
256.	Zinc catalyzed C-S cross coupling reactions of aryl halides with aryl thiols Amrutha P Thankachan and G. Anilkumar at the 27th Kerala Science Congress 27-29 January 2015 at Alappuzha pp 47		
257.	Novel protocol for Ullmann diaryl ether synthesis under aerobic conditions Anns Maria Thomas and G. Anilkumar at the 27th Kerala Science Congress 27-29 January 2015 at Alappuzha pp 57		
258.	The 25th Swadeshi Science Congress 16-18 December 2015 at Kaladi, Kerala Anns Maria Thomas, Asha. S and G. Anilkumar pp 74		
259.	The 25th Swadeshi Science Congress 16-18 December 2015 at Kaladi, Kerala Sindhu K. S and G. Anilkumar pp 94		
260.	The KSCSTE sponsored National Seminar on Current Trends in Organic and Medicinal Chemistry on 27th January 2016 at Catholicate College, Pathanamthitta, Novel zinc-catalyzed Cadiot-Chodkiewicz reaction", K. Keerthi Krishnan and Gopinathan Anilkumar		
261.	The KSCSTE sponsored National Seminar on Current Trends in Organic and Medicinal Chemistry on 27th January 2016 at Catholicate College, Pathanamthitta, A convenient route to 1,3-diynes using alcoholic solvent-assisted amine free Cadiot-Chodkiewicz coupling reaction at room temperature under aerobic conditions", S. Anjana, S. Asha, A. M. Thomas, and G. Anilkumar ,		
262.	National Seminar on Organic Synthesis on 28th January 2016 at St. Joseph's College, Irinjalakuda, Trissur, Zinc-catalysed synthesis of substituted arylbenzofurans, Amrutha P Thankachan, and Gopinathan Anilkumar ,		
263.	UGC sponsored National Seminar on Organic Synthesis on 28th January 2016 at St. Joseph's College, Irinjalakuda, Trissur. "Sonogashira type cross-coupling reactions via Iron catalysis using water as solvent under aerobic conditions – A greener approach", Sindhu K. S and GopinathanAnilkumar		
264.	UGC sponsored National Seminar on Organic Synthesis on 28th January 2016 at St. Joseph's College, Irinjalakuda, , Novel zinc-catalyzed coupling protocol for haloalkynes with terminal alkynes, K. Keerthi K. and G.Anilkumar		
265.	UGC sponsored National Seminar on Organic Synthesis on 28th January 2016 at St. Joseph's College, Irinjalakuda, Trissur, "Synthesis of 1,3-diynes from terminal acetylenes under Ligand-free conditions", Anjana S and Gopinathan Anilkumar		
266.	Synthesis of diarylalkynes via Iron-catalyzed Sonogashira type cross-coupling reaction in water under aerobic conditions" at the 28th Kerala Science Congress 28-		



	30 January 2016 at Calicut University, Kozhikode, Kerala Sindhu, K. S and		
	Gopinathan Anilkumar pp 2809-2818		
267.	Zinc-catalyzed synthesis of substituted arylbenzofurans and indoles A. P.		
	Thankachan and Anilkumar, G, Proceedings of the National Seminar on Current		
	Trends in Organic and Medicinal Chemistry on 27the January, 2016 at Catholicate		
	College, Pathanamthitta		

28. Student projects

Percentage of students who have done in-house projects including inter-	3%
departmental projects	
Percentage of students doing projects in collaboration with other universities /	97%
industry / institute	

29. Awards / recognitions received at the national and international level by:

A	Research awards received by the faculty		
1.	Distinguished Professorship Award Josef Stefan Institute, Slovenia, 2010 (Prof.Sabu		
	Thomas)		
2.	Fellow of the Royal Society of London ,FRSC,2012 (Prof.Sabu Thomas)		
3.	Awarded Bronze Medal of Chemical Research Society of India, 2013 (Prof. Sabu		
	Thomas)		
4.	Awarded Materials Research Society of India Award (2013). (Prof. Sabu Thomas)		
5.	Awarded Society For Educational & Scientific Research. (SESR) Nanotech Scientist		
	Award- 2014 (Prof. Sabu Thomas)		
6.	Honorary doctorate (D.Sc.) from the University of South Brittany, Lorient, France		
	(2015) (Prof. Sabu Thomas)		
7.	Nanoscience Research Leader Award 2015 by Cognizure Publishers, hostess of the		
	International Journal – Science Letters (Prof. Suresh Mathew)		
8.	Doctorat Honoris causa-LIMATB, University of South Brittany, France 2015		
	(Prof.Sabu Thomas)		
9.	UGC Research Award, 2012 (Dr. Raju Francis)		
10.	Rudolph A Marcus Award 2016 in Chemical Sciences by Lognor, Publishers of		
	Science Advances Today (Prof. Suresh Mathew)		
11.	Second prize in the Evonik Industries Chemistry Research Proposal competition		
	ECRP 2016, Germany (Dr. G. Anilkumar).		
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В	Research awards received by the students		
1.	Kinetic Study on the Catalytic Amidolysis of Z-L-Phe-PNA Using Phosphonate		
	Analogue Imprinted Polymer Catalysts as Chymotrypsin Mimics (National Seminar		
	on Phytochemistry An EmergingBranch for the Development of Potential Anticancer		
	Drugs, Assumption College, Changanasserry, September 2015)- Best poster award		
	(Divya Mathew).		



- 2. Kinetic Studies on Hydrolytic Activities of Polymer Supported Enzyme like Catalysts in the Amidolysis of Z-Tyr-Gly-OCH3 (*Recent Trends in Spectroscopy: A Chemical and Biological Perspective-II*, Newman College, Thodupuzha, 13-14 September 2015)- *Best poster award* (Divya Mathew).DivyaMathew, Benny Thomas, K.S. Devaky
- 3. Effect of the Nature and Extent of Crosslinking on Catalytic Amidolysis of Z-L-Tyr-PNA Using Chymotrypsin Mimics (*National Seminar on Advanced Functional Materials*, Mar Athanasius College, 15-16 September 2015)- *Best poster award* (Divya Mathew). Divya Mathew^a, Benny Thomas^{a, b}, K.S. Devaky^a
- 4. Kinetic Study on the Catalytic Amidolysis of the Dipeptide H-Tyr-Gly-OH Using Boronic acid Analogue Imprinted Chymotrypsin Mimics (*RTSB*, *Recent Trends in Organic Synthesis and ChemicalBiology*, Annamalai University, Department of Chemistry, October 2015)- *Best poster award* (DivyaMathew) Divya Mathew^a, Benny Thomas^{a, b}, K.S. Devaky^a
- 5. Deepalekshmi Ponnamma Best Poster Presentation Award in "National Seminar on Recent Advances in Polymer Science and Technology-2012" Organized by: Society for Polymer Science India and MarIvanios College Trivandrum, India
- 6. DeepalekshmiPonnamma Best Oral Presentation Award in "National Conference on Nanostructured materials and Nanocomposites (NCNM) 2012" Sponsored by UGC, at NSS College, Ottapalam, Kerala, India
- 7. Cintil Jose Best paper award for the paper entitled "Novel approach for the development of cellulosenanowhiskers from isorafibre" at the National Seminar on 'Emerging Trends in Chemistry'held atSt.Joseph's College, Moolamattam on 25th February 2012
- 8. Sooraj M. P., Beena Mathew, Emerging Trends in Polymeric Materials (ETPM 2014) organized by The Society for Polymer Science, India and Christian College, Chengannur, Kerala, January 2014 Best Poster Award
- 9. Sooraj M. P., Beena Mathew "3rd International Science Congress (ISC 2013)" organized by International Science Congress Association, Karunya University, Coimbatore, December 2013 Best Poster Award.
- 10. Sooraj M. P., Beena Mathew "International Conference on Advances in Material Science (ICAMS 2013)" sponsored by OPCW, DRDO, KSCSTE, Sree Snakara College, Kalady, October 2013 Best Poster Award
- 11. Sooraj M. P., Beena Mathew National Seminar on "Advances in Chemistry-Research and Opportunities" sponsored by KSCSTE, All Saints' College, Trivandrum, August 2013 Best Paper Award
- 12. Runcy Wilson- Best Paper Award- National Seminar on Advanced Polymer Materials, Organized by Department of Polymer Engineering Mahatma Gandhi University College of Engineering, Muttom, Thoupuzha, Kerala September 11&12, 2015
- 13. DeepalekshmiPonnamma, Selected as an invited speaker for the "Polymer Conference for Young Researchers (PCYR-14)" held at CSIR-NIIST
- 14. Best Paper Award to Amrutha P Thankachan "A Novel Protocol for the Formation of C-S Bonds Using Zn(II)-Catalysts" in the UGC sponsored 13th Prof. K. V. Thomas Endowment National Seminar onNew Frontiers in Chemical Research" Conducted at S. H. College Thevara, Ernakulam, on 4-5 December 2014
- Novel Protocol for Ullmann C-O Coupling Reactions Under Aerobic Conditions , A. M. Thomas, G. Anilkumar, Proceedings of the National Seminar on Recent Trends in Chemistry, 6-7 November, 2014, Baselius College, Kottayam, Kerala (Best Poster award) pp. 15



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16.	Best poster Competition Second prize to Amrutha P Thankachan "Novel zinc-		
	catalyzed C-S cross coupling reactions of aryl halides with aryl thiols "in the UGC		
	sponsored National seminar "Chemistry for Tomorrows world" Conducted at B. K.		
	College Amalagiri, Kottayam on 22-23 January 2015		
17.	Jeena Abraham, Beena Mathew, International Conference Nanoscience and		
	Emerging Applications (ICONSEA) organized by Centre for Nanoscience and		
	Technology, Jawaharlal Nehru University, Hyderabad, June 26-28, 2014 – Best		
	Paper Award		
18.	Best poster award- International conference, ICMST October 29-31, 2010		
	Trivandrum (IIST). Thermal and mechanical properties of poly(acrylionitrile		
	butadiene styrene) modified epoxy/amine systems jyotishkumar Parameswaranpillai		
19.	Best poster award, Robin Augustine, International Conference on Membranes (ICM-		
17.	2013) organized by Centre for Environment Education and Technology (CEET),		
20.	Third prize for poster presentation Second prize for poster in Second International		
20.	Conference on Nanomaterials: Synthesis, Characterization and Application		
	organized by Centre for Nanoscience & Nanotechnology, Mahatma Gandhi		
	,		
	University, Kottayam, Kerala, India October 3- 6, 2013. Robin Augustine Tissue		
21	engineering Selected as an invited angels of far the "Delumer Conference for Young Descerbers		
21.	Selected as an invited speaker for the "Polymer Conference for Young Researchers POVE 143" held at CSIR NHST Depote leichmic Representation of the Conference for Young Researchers		
	PCYR-14)" held at CSIR-NIIST Deepalekshmi Ponnamamma- Elastomer		
- 22	nanocomposite		
22.	Best Poster Presentation Award -International Conference on Advanced		
	Nanocomposite for Construction Materials (ICNC-2013) organized by Centre for		
	Nanoscience & Nanotechnology, Mahatma Gandhi University, Kottayam, Kerala,		
	India 12th -14th March 2013. Robin Augustine		
23.	Best Paper Award, National Seminar On Advanced Polymer Materials (SCENTIA),		
	Organized By Department Of Polymer Engineering Mahatma Gandhi University		
	College Of Engineering, Muttom, Thoupuzha, Kerala 2013, Runcy Wilson		
24.	Best Paper Award, National Seminar On Advanced Polymer Materials (SCENTIA),		
	Organized By Department Of Polymer Engineering Mahatma Gandhi University		
	College Of Engineering, Muttom, Thoupuzha, Kerala 2013, Runcy Wilson		
25.	Young researcher award, the international conference on 'Functional Polymers 2011'		
	held at NIT CALICUT organized jointly by the Department of Chemistry, NIT		
	Calicut & Leeds University, UK Cintil Jose "A cost effective approach for the		
	development of cellulose nanowhiskers		
26.	Best oral presentation award -International Conference on Tissue Engineering and		
	Regenerative Medicine (ICAPM-2013) National Institute of Technology, Rourkela,		
	Odisha Robin Augustine		
27.	Best poster award -Bioradiance 2014 (National level seminar), organized by the		
	Pushpagiri Research Centre, Tiruvalla, Kerala		
28.	Robin Augustin, Biomedical, Third prize for poster presentation,2nd International		
	Conference of Nano Materials (ICNM) 2014		
29.	Best Oral Presentation Award -National Seminar on Material Science and Modern		
	Analytical Techniques on 26th &27th of March Preetha Balakrishnan Fully		
	Biodegradable Potato Starch Composites: Effect Of Nano Fiber Reinforcement On		
20	Mechanical And Water-Sorption Characterestics Past and presentation award. International Conference on Tissue Engineering and		
30.	Best oral presentation award -International Conference on Tissue Engineering and		
	Regenerative Medicine (ICAPM-2013) National Institute of Technology, Rourkela,		
	Odisha, Robin Augustine		



31.	Best poster award -Bioradiance 2014 (National level seminar), organized by the			
	Pushpagiri Research Centre, Tiruvalla, Kerala Robin Augustine			
32.	Best poster award -Bioradiance 2014 (National level seminar), organized by the			
	Pushpagiri Research Centre, Tiruvalla, Kerala. Robin Augustine,			
33.	Best Oral Presentation - International Conference On Plasma Science And			
	Nanotechnology, And 29th National Symposium On Plasma Science, Jamy James			
34.	Anneesa P. Best poster award -Deakin India Research Initiative - International			
	Symposium on Translational Research 2015 held at NewDelhi from 7-8th December			
	2015			

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl. No	Programme organized	Source of funding	outstanding participants
	Dr.I. Ibnusaud		
1.	National Workshop on NMR Spectroscopy, 10th - 13th September 2014	KSCSTE	Prof. C. L. Khetrapal (CBMR, Lucknow) Prof. S. Subramanian (IISER, Trivandrum) Prof. N. Chandrakumar (IIT, Madras) Prof. S. Ganapathy (NCL, Pune)
2.	Workshop on High Performance Liquid Chromatography (HPLC), 4th & 5th November 2013	MGU	Dr. V. Gaitonde (Scientist, Prochrome Ltd., Mumbai) Prof. Hassan Aboul-Enein Y. (Dept. of Pharmaceutical & Medicinal Chemistry, National Research Centre, Egypt)
3.	Workshop on "Computational Chemistry", May 28th - 31st, 2012	DST, KSCSTE	Prof. R.B. Sunoj, IIT Mumbai Prof. A. Anoop, IIT Kharagpur Prof.AyanDutta, IISER Trivandrum
4.	Workshop on "Basic Principles and Applications of Computational Chemistry, May 23rd - 27th, 2011	MGU	Prof.M. S. Gopinathan, IISER, TVM Prof. K.L Sebastian, IISc, Bangalore Prof.Mangala Sunder, IIT, Madras
5.	Workshop: "Quantum Mechanics, Molecular- Resonance Spectroscopy and Hands-on Experience in Spectroscopy, March 1 st – 3 rd , 2012	MGU	Prof. S.D Samanth, ICT, Mumbai
6.	Seminar on Research and Development in Chemical Process Development	MGU	Prof. K.V. Ramanathan, IISc, Bangalore
7.	Applications of Magnetic Resonance Spectroscopy in scientific research, 22 nd Sept.,2012	MGU	Prof. I.N.N. Namboothiri, Dept. Chemistry, IIT Delhi



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8.	Seminar on Metal Mediated Organic Synthesis, Sept. 4 – 10, 2012	MGU	Dr. P. J Sebastian, senior Scientist, CIE, UNAM, Mexico
9.	Capacity Building in Scientific Research .10 th August.,2012	MGU	Dr.Syriac Joseph Palackal
10.	Seminar – A review on Renewable Energy Technologies, 17 th July., 2012	KSCSTE	Dr.Vineeshvijayan, IISER, TVM
11.	One day seminar - Organic Chemistry and Pharmaceutical Industry, 24 th April, 2012	MGU	Prof. K. K. Balasubramaniam, IIT Madras (Retd.)
12.	Seminar on Application of two dimensional NMR in the structural elucidation of biomolecules	MGU	Dr. Vineesh vijayan, IISER, Thiruvananthapuram
13.	Summer Workshop on Computational chemistry, May 28th - 31st, 2012	MGU	Prof.R. B. Sunoj (IIT, Mumbai) Prof. Nisanth N. Nair (IIT, Kanpur)
14.	Workshop on Advanced Materials Characterization Techniques, 21st - 25th May, 2012	MGU	Prof. K. G. Suresh (IIT, Mumbai) Prof.UnnikrishnanNayar (IISER, Trivandrum) Dr. Manoj Ramavarma(NIIST, Trivandrum
15.	English Language Skill Workshop, December 22 – 23, 2011	MGU	District Centre for English (DCE - Neyyattinkara)
16.	Seminar on Genetic Structure of Indian Jewish Diaspora October 27 – 28, 2011	MGU	Dr. Mini Kariappa, Dept. Anatomy,kolenchery
17.	Workshop on Organometallic Chemistry August 23- 26, 2011	MGU	Prof. Anil J. Elias, IIT Delhi
18.	Seminar associated with new student orientation programme Workshop Sept.02, 2011.	MGU	Dr. Suresh Das, Director, NIIST, TVM Dr. Manoj Ramavarma, Scientist, NIIST, TVM
19.	Basic Principles and Applications of Computational Chemistry May 23 rd -May 27th, 2012	MGU	Prof. R.B. Sunoj, IIT Mumbai Prof. A. Anoop, IIT Kharagpur Prof.AyanDutta, IISER Trivandrum
20.	Seminar on Pharmaceutical Process Chemistry May 17 th , 2011	MGU	Dr.Rajappa Vaidyanathan, Chemical Research and Development Division, Pfizer, Groton, CT, USA



	Dr.G.Anil Kumar		
21.	Workshop on Quantum Mechanics for M Sc Chemistry students and faculty 20-21 June 2015 Workshop on Group Theory	KSCSTE	Dr.R S Swathy, IISER, Trivandrum Dr C.H Suresh NIIST Trivandrum Dr. A Salavudheen Kunju University college Trivandrum Prof.C Krishnan University College, Dr.E.G Jayasree Kerala
	30 Oct-1 Nov 2015	KSCSTE	University University
23.	Workshop on Stereochemistry 8-10 January 2016	KSCSTE	Prof. R. B SunojIIT Madras Dr.A Salavudheen Kunju University college Trivandrum Prof.Santhosh Guarpure IIT Mumbai
24.	Work shop on "Fundamentals and applications Materialscience" SRIBS(KSCSTE) March 4-6	SRIBS(KSCSTE)	Dr.B Vaire IIT Madras Prof HSP Rao Department of chemistry, Pondichery University Dr.P A Unnikrishnan IIT Madras
	Dr. Suresh Mathew		
25.	One day workshop organised by UGC-Special assistance programme. "Chemistry of Advanced Materials March 20, 2012	UGC- SAP	Dr. K. N. Ninan VSSC, Thiruvananthapuram
	Dr. S.Anas		
26.	National work shop on "Fundamentals and applications Material science" organized in association with SRIBS(KSCSTE) March 4-6	SRIBS(KSCSTE)	Dr.Kuruvilla joseph, IIST Trivandrum,Dr.Santhosh Babu, NCL ,Pune,Dr. Joshy Joseph,NIIST,Trivandrum
	Dr. Sabu Thomas		
27.	First International Conference on Advanced Materials for Power Engineering (ICAMPE 2015) : 11-13 December, 2015	DRDO, New Delhi DST, New Delhi	B. Rožič, M. Lavrič, M. Trček, G. Cordoyiannis, Z. Kutnjak, S. Kralj (Slovenia) M. Saad Alam(India) Judy Wu (USA)
28.	International Conference on Nanostructured Polymeric Materials (ICNPM 2015): 13-15 November, 2015	ICMR, New Delhi KSCSTE, Trivandrum	Manfred Stamm (Germany)
29.	World Congress on Microscopy (WCM 2015): 9- 11 October,2015	DST New Delhi	Leszek A. Dobrzański, M. (Poland)



30.	Fourth International	CSIR, New Delhi	Kohzo Ito(Ispan)
30.	Conference on Natural	Coin, new Deim	Kohzo Ito(Japan)
	Polymers (ICNP 2015): 10-		
	12 April 2015		
31.	Second International	DST, New Delhi	Prof. C.N.R.Rao
	Conference on	, <u></u>	(India)
	Nanostructured Materials and		Vijayamohanan K. Pillai(India)
	Nanocomposites (ICNM		. ,
	2014): 19 – 21 December		
	2014		
32.	Third International	MG University	H. Münstedt (Germany)
	Conference on Polymer	KSCSTE,	Graham J. Leggett(UK)
	Processing and	Trivandrum	
	Characterization (ICPPC		
33.	2014): 11-13 October 2014 First World Conference on	DRDO, CSIR	S. Wang and C. M. Harvey(UK)
33.	Fracture and Damage	New Delhi	S. wang and C. IVI. Harvey(UK)
	Mechanics (FRACTURE	110W Dellii	
	2014): 9-11 August 2014		
34.	Third International	CSIR, New Delhi	A.V. Ratna Prasad*, K.
	Conference on Recycling and	DST, New Delhi	Ramanaiah, K. Mohana Rao,
	Reuse of Materials (ICRM	INSA, New Delhi	K.M.V Ravi Teja(India)
	2014): 11-13 April 2014	KSCSTE,	Abdeen Omer(UK)
		Trivandrum	Abitha V K, K Rajkumar, Dr. P.
0.7		Dom'r 2 " '	Thavamani(India)
35.	International Conference on	DST New Delhi	Abraham J. Domb, Neeraj
	Advanced Polymeric Materials (ICAPM 2013):		Kumar, Wahid Khan, Diana
	11-13 October 2013		Surendra Kulkarni(India)
36.	Third Euro-India	CSIR, New Delhi	Animesh Jha, M S Duggal, Tom
30.	International Conference on	DRDO, New Delhi,	Vancoillie, Richard
	Nanomedicine and Tissue	DST, New Delhi,	Hoogenboom(Belgium)
	Engineering (ICNT 2013):	ICMR, New Delhi,	
	9-11 August 2013	INSA, New Delhi	
37.	First International	AERB, Mumbai	D.A. Koleva(Netherlands)
	Conference on Advanced	CSIR New Delhi	Paulo Cachim, André Monteiro,
	Nanocomposite for	DRDO,New Delhi	Pedro Costa(Portugal)
	Construction Materials: 12-	DST, New Delhi	
20	14 March 2013	ICMR, New Delhi	T
38.	Third International	CSIR, New Delhi	James Jacob (India)
	Conference on Natural	DBT, New Delhi	Anna Kucinska and Jerzy P.
	Polymers (ICNP2012): 26-28 October 2012.	DRDO, New	Koh (South Korea)
	OCIOUEI 2012.	Delhi DST, New Delhi INSA, New	Sandipan Chatterjee(India)
		Delhi Delhi	
39.	First Indo- US International	CSIR, New Delhi	Ickowich, Moran
	Conference on Polymers for	DRDO, New	Haimzada(Israel)
	Packaging Applications	Delhi	
	(ICPPA 2012) 31st March –		
1	2nd April 2012,		



31. Code of ethics for research followed by the department

- Ethical guidelines of the university is strictly followed.
- Plagiarism is being assessed before submission of M.Phil. Project report and Ph.D thesis.
- Minimization of chemical wastes, recycling of surplus materials and management of hazardous wastes.
- Grievance redressal meachnism

32. Student profile programme-wise

Name of the	Applications	Se	lected	Pass pe	ercentage
Programme	received	Male	Female	Male	Female
(refer to question no. 4)					
M.Sc					
2011	643	9	25	100	92
2012	689	8	24	100	100
2013	712	7	25	100	100
2014	829	6	26	100	100
2015	1045	7	25	100	100
2016	1057	6	26	100	100
M.Phil					
2011	47	4	8	100	100
2012	51	2	10	100	100
2013	59	3	9	100	100
2014	62	2	10	100	100
2015	52	4	8	100	100
2016	55	-	-		
M.Tech					
2011	-	-	-	-	-
2012	-	-	-	-	-
2013	98				100
2014	104				100
2015	-	-	-	-	-
2016	30				100
Ph.D					
2011	12	3	9		
2012	14	2	12		
2013	13	3	10		
2014	11	2	9		
2015	11	2	9		
2016	6	0	6		



33. Diversity of students

Name of the Programme (refer to question	Same U	s from the Jniversity %)	Students from other universities within the State (%)		Students from universities outside the	Students from other Countries
no. 4)	M.Sc.	M.Phil.	M.Sc.	M.Phil.	State (%)	(%)
2010-11	65	76	35	34	-	-
2011-12	63	56	37	44	-	-
2012-13	66	20	34	80	-	-
2013-14	66	35	34	65	-	-
2014-15	59	25	41	75	-	-
2015-16	69	67	31	33	_	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

(Period 2010-16)

Competitive examinations	NET / JRF	GATE	SET	Others
No. of students	61	22	5	8

35. Student progression

Student progression	Percentage against enrolled	
UG to PG		
PG to M.Phil.	19%	
PG to Ph.D.	>50%	
Ph.D. to Post-Doctoral	40%	
Employed		
Campus selection	5%	
Other than campus recruitmen	75%	
• Entrepreneurs	5%	



36. Diversity of staff

Percentage of faculty who are graduate			
Of the same university	10		
Other universities within the state	60		
Universities from other states	20		
Universities outside the country	10		

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

SL.No	Name of faculty	M.Phil./ Ph.D./ D.Sc./ D.Litt.
1.	Prof. Sabu Thomas	Honorary Doctorate (D.Sc.) from the University
		of South Brittany, Lorient, France

38. Present details of departmental infrastructural facilities with regard to a) Library

School of Chemical Sciences Library has been set up in 1984 along with establishment of the Department. The library holds 4100 books as on date. It includes a good collection of reference books. Main source of funding includes grants from State Government and UGC. This library has been automated by using KOHA software, by which all Faculty, Research Scholars and students can access from anywhere in the campus via Campus area network. This campus network enables the scholars to have free use of internet, UGC-INFONET Programme and J-gate portal. All these IT based services are very extensively used by our Research Scholars. At the beginning of the academic year a library orientation programme is arranged for all new students by which all students are made acquainted with the resources and services available with the department library and University Library. Frequent classes by private online journal companies are also held for Chemistry Scholars.

b) Internet facilities for staff and students

Wired and wireless connectivities are provided by the department for individual faculty and students.

c) Total number of class rooms : 7

d) Class rooms with ICT facility : 3

The School has a culture of student centric education and learning. Efforts are made to ensure student centric learning and knowledge management by: Using ICT tools in the classrooms. Providing library facilities for self – learning. Organizing monthly seminars, lecture series, conferences, workshops, and symposia.

e) Students' laboratories : 4

f) Research laboratories : 12



The department provide facilities with modern instruments required to pursue research in different areas of chemistry. This include Raman Spectrometer, Surface analyser, Mirowave reactor, TG/DTA, Scaning Electron Microscopy (SEM)/EDAX, Polarising optical microscopy, Abrader, Differential Scaning Calorimetry (DSC),

Dynamic mechanical Analysis (DMA), Atomic Force Mocroscopy (AFM), X-Ray Diffraction (XRD), Elemental Analyser, High performance liquid chromatography (HPLC), Universal Testing Machine(UTM), Fourier Trans -form Infrared spectroscopy(FT- IR), Gas chromatography - Mass Spectrometry (GCMS), Contact Angle Meter, Rheometer, Fluorimeter, UV-vis. Spectrophotometer, HR-TEM and Impact Tester.

39. List of doctoral, post-doctoral students and Research Associates a) from the host institution/university

Name of Guide	Name of Scholar	Post-doctoral
Dr. Anas S.	Sruthi.P.R	Nil
Dr. Anilkumar G	Asha. S Sindhu K. S. Anns Maria Thomas	Nil
Dr. C. T. Aravindakumar	Sreedhanya S.	Nil
Dr. Beena Mathew	Priyanka R.N. Maria Sebastian	Nil
Dr. K. S. Devaky	Geethu Joseph	Nil
Dr. M. R. Gopinathan Nair Priyanka K G Mrudula M S		Nil
Dr. I. Ibnusaud	Deenamma Habel Divya S. Nair	Nil
Dr. A. S. Padmanabhan	Tania Rose Abraham Keerthi Murali	Nil
Dr. M. Padnabhan	Akhila K.	Nil
Dr. K. Pius	Minu Elizabeth Thomas	Nil
Dr. Raju Francis	Anjaly Sivadas Geethy P Gopalan	Nil
Dr. Sabu Thomas	Sandhya P. K	Dr.Dhanya
Dr. Suresh Mathew Arya Parameswara		Nil

b) from other institutions/universities

Name of Guide	Name of Scholar	Post-doctoral	
Dr. Anas S.	Jithin Joy	Nil	
	Arya P	1111	
Dr. Anilkumar G	Ujwaldev.SM	N:1	
Di. Allikullai G	Seethalakshmi K. C	Nil	
	Remya Vijayan		
	Subi Jacob		
Dr. Beena Mathew	Sajini T.	Dr. Coorei M. D	
Dr. Beena Matnew	Jaise Maria George	Dr. Sooraj M. P	
	Archana Aravind		
	Bijimol.D		

Dr. C. T. Aravindakumar Sijumon V A Jain Maria Thomas Divya K S		Nil
Dr. K. S. devaky	Divya Mathew Ashly Thomas Elizabeth Francis Aparna E. P.	Dr. Sona Narayan
Dr. A. S. Padmanabhan	Aswathy Joseph Maria Jacob Aji Joseph	Nil
Dr. K. Pius	Sajeesha P	Nil
Dr. P. K. Radhakrishnan	Archana S. Nair	Nil
Dr. Raju Francis	Nidhin Joy	Nil
Dr. Sabu Thomas	Jini Varghese Shinu Koshy Aneesa.P Abitha V.K Pious.C.V.	 Dr. S. Manna Dr. Sravanthi L. Dr. Asha Krishnan Dr. Bindu Dr. Prasenjith Saha
Dr. Suresh Mathew	Priya Sara Paul Jisna Jos Vandana P. V.	

40. Number of post graduate students getting financial assistance from the university

	Details of Scholarships					
Course	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
M. Sc.	e-grants :6	e-grants: 8	e-grants :5	e-grants: 7	e-grants:6	e-grants: 9
	Aspire :31	Aspire: 32	Aspire :32			
M. Phil.	e-grants:5	e-grants: 4	e-grants :3	e-grants: 3	e-grants:3	e-grants:3
	RGNF: 1	RGNF: 1				
Ph. D.	e-grants: 2	e-grants:2	e-grants:4	e-grants: 4	e-grants: 6	e-grants: 6
			RGNF: 1	RGNF: 1	RGNF: 1	RGNF: 1

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

New prgramms in the school were designed after having feedback from all stake holders. The consolidated feedback were discussed in the faculty council and necessary recommendation were submitted to university for starting new programme.



42. Does the department obtain feedback from

a)	Faculty on curriculum as well as	Yes. The feedback collected has a significant role
	teaching-learning-evaluation? If	in taking necessary steps for academic and
	yes, how does the department	infrastructural development.
	utilize the feedback?	
b)	Students on staff, curriculum and	Feedback from students is an essential component
	teaching-learning-evaluation and	in the curricular design and development process.
	how does the department utilize	
	the feedback?	
c)	Alumni and employers on the	The feedback obtained from students, alumni,
	programmes offered and how	community, industry, etc. is the base for framing
	does the department utilize the	the curriculum .The feedback given by students
	feedback?	and stake holders is the basic matrix for
		identifying short fails in curricular content and
		reinforcements needed therein.

43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position	Remarks	
1.	Dr. Benny K George	Group Director,	VSSC	
2.	Dr. K. Sreekumar	Professor, y Dept of	Cochin University of	
		Applied Chemistry	Science and Technolog	
3.	Dr. Roy Joseph,	Scientist G,	SCTIMST, Trivandrum	
4.	Dr. Suresh C H	Principal Scientist and	Inorganic and	
		Head	Theoretical Chemistry, NIIST, Trivandrum	
5.	Dr. Subin Jacob	Professor	JNCSR, Bangalore	
6.	Shri. Biju P. K.	Member of Parliament		
7.	Dr. C.P Vinod	Scientist F	NCL, Pune	
8.	Dr. Suresh C Pillai	Professor	ITSligo, Ireland	
9.	Dr. Muraleedharan, K. M	Associate Professor	IIT, Madras	
10.	Dr. Ajikumar P	Founder & CEO	Manus Biosynthesis,	
			Boston, USA	



44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts

Sl. No.	Details		
1.	Dr. Aashish Roy (Department of Materials Engineering, IISc. Bangalore)		
2.	Prof . R. Damodharan , IIT Madras		
3.	Prof. Christophe Sinturel, France		
4.	Dr. Jürgen Pionteck, Leibniz Institute of Polymer Research, Department Polymer		
	Reactions and Blends, Hohe Str. 6,01069 Dresen, Germany		
5.	B.V.R. Tata: Head, Light scattering Studies Section, Scientific Officer (H) Professor-Homi Bhabha National Institute		
6.	Prof.Partha Chatterejee as Erudite Scholar-in- Residence programme		
7.	Dr. Vijayamohanan K Pillai, Central Electrochemical Research Institute,		
/.	Karaikudi		
8.	One day workshop organised by UGC-Special assistance programme. "Chemistry		
0.	of Advanced Materials", March 20, 2012		
9.	Prof. Taofik Shittu from Nigeria (December 2014)		
10.	Prof. (Emerit.) Dr. Werner Mormann, Universität Siegen (December 2014)		
11.	Dr. Aashish Roy(Department of Materials Engineering Indian Institute of		
111.	Science)(November 2014)		
12.	Prof. Renata Dantas, University of Campinas, Sao Paulo, Brazil (October 2014)		
13.	Dr. Rajesh A. Shenoi, University of British Columbia, Vancouver BC, Canada		
15.	(August 2014)		
14.	Dr. Suresh.S. Pillai of Environmental Nanotechnology Division, Institute of		
1	Technology, Sligo, Ireland(August 2014)		
15.	Dr. Ali Kareem al-lami, Misan University, Iraq (July 2014)		
16.	Dr. Chaitanya Lekshmi Indira, Associate Professor, Department of Chemistry,		
	CMR Institute of Technology, Bangalore (July 2014)		
17.	Dr. Nahlah Elkhudssiah Ismail, Center for Industrial technology, Faculty of		
	Applied Sciences, University Technology, Mara (July 2014		
18.	Lecture series by Prof Kim, New Castle University, Australia		
19.	Prof .Vijaya Mohanan Pillai, CECRI, Karaikudi (April 2015)		
20.	Prof . Mohamed Mehdi CHEHIMI (Research Director at French CNRS,Leader		
	of the Surface & Interface research team, Université Paris, France)(March 2015)		
21.	Dr. Praveen G. L (University of Kerala) (April 2015)		
22.	Linus Pauling Lecture Award		
23.	Dr C.V Asokan Memorial Lecture		
24.	Prof .Volker Ribitsch (University of Graz. Austria) (April 2015)		
25.	Dr. Maciej Jaroszewski(Head of High Voltage Laboratory Wroclaw University		
	of Technology, Poland) (January 2015)		
26.	Prof. Suryasarathi Bose, (IISC, Bangalore) (January 2015)		
27.	Prof. Benjamin S Hsiao (Department of Chemistry, Stoney Brook University,		
	New York) (January 2015)		
28.	Lecture by Dr. K. N. Ninan, Deputy Director, ISRO, Trivandrum		
29.	Lecture by Dr.K Radhakrishnan Former Director, ISRO, Trivandrum		



45. List the teaching methods adopted by the faculty for different programmes

- ICT enabled audiovisual teaching
- interactive sessions
- seminars and assignments
- flipped class room teaching
- industry visit
- projects

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The faculty council monitors the progress and output of various programmes periodically and necessary amendments are being made.

47. Highlight the participation of students and faculty in extension activities

Sl.	Details		
No.	_ 333332		
1.	Conducted a competition for college students on paper presentation(Dr .Sabu		
	Thomas)		
2.	Professor Sabu Thomas, has conducted many lectures in colleges and schools in		
	India as a part of promoting Nanoscience and Nanotechnology (Dr .Sabu Thomas)		
3.	Conducted student outreach programme at K.E School, Mannanam for promoting		
	research in Science (Dr .Sabu Thomas)		
4.	Visited old age home and orphanage at Kottayam (Dr .Sabu Thomas)		
5.	Conducted a motivation class on "Emerging Youth" for National Service Scheme		
	(NSS) Volunteers training camp held at Gov. H.S.S. T.V. Puram, Vaikom on 22 nd		
	December 2015 (Dr. S. Anas)		
6.	Invited lecture on "Recent Trends Challenges and Progresses in Chemistry held at		
	Govt. college Kasaragod during October 20-21-2014.		
7.	Interview for JRF at K .E. College, Mannanam 20 th March 2014 (Dr. S. Anas)		
8.	As observer for JEE(main) 2014 exam at Kozhikode centre on 5 th and 6 th April 2014		
	(Dr. S. Anas)		
9.	Teacher's day talk at NHES, Chavady (Dr. S. Anas)		
10.	Camp director, career guidance workshop organized by sio, Thuravoor (Dr. S. Anas)		
11.	As observer for JEE(main) 2015 exam at Kozhikkod centre on d 4 th April 2015 (Dr. S. Anas)		
12.	Talk at Harithasparsham 2015 organized by Directorate of Higher Secondory		
	Education (Dr. S. Anas)		
13.	As observer for JEE(main) 2016 exam at Kozhikkod centre on 3 rd April 2016 (Dr. S.		
	Anas)		
14.	Resource person, INSPIRE, 2010 (Dr. Beena Mathew, Dr. K. S. Devaky)		
15.	Resource person for Kerala State STEC-INCULCATE programme 2010, 2011,		
	2012 & 2013 (Dr. Beena Mathew, Dr. K. S. Devaky and Dr. Raju Francis)		
16.	Open Day: To inculcate an aptitude for science among school children, School		
	organized Open Day programme which include workshop and interaction with an		
	eminent scholar. Students from nearby government schools are usually invited for		
	this programme.		

Mahatma Gandhi University

17.	Quiz competition for students from various affiliated colleges (2015-2016)
18.	C.V Asokan Memorial Workshop for School children of the neighborhood schools
	on Basic concepts in chemistry(2015-2016)
19.	As part of the Dr. C.V.Asokan Memorial Workshop an interactive session was arranged for school children (Govt.and Aided school) with Prof .E.D Jemmis Professor of Theoretical Chemistry, Indian Institute of Science, Bangalore about
	current trends in Science
20.	Students are regularly participating in seminars and workshops of the department within and outside the university.
21.	Students are also engaged in NSS programme

.

48. Give details of "beyond syllabus scholarly activities" of the department:

Sl.	Details				
No					
1.	National Science Day Celebrations are carried out annually with an inspiring talk				
	by Eminent Scientist.				
2.	Nationally and internationally renowned scientists have been invited to the				
	department from time to time and opportunities are provided to the students for				
	interaction with these scientists				
3.	Conducted a quiz competition for students from various affiliated colleges.				
4.	Conducted C.V Asokan Memorial Workshop for childrens of the neighborhood				
	school on Basic concepts in chemistry				
5.	Organized excibitions for school children (Govt. and Aided schools)				

- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: We have not tried for independent accreditation.
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The publications made by the faculty members in several international journals stand testimony to the new knowledge generated in the Department.

51. Detail five Major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths

- Highly qualified faculty.
- Active research collaborations.
- Major research projects, publications and patents.
- Excellent infrastuctural facilities.
- Well placed alumni.

Weaknesses

- Insufficient administrative and technical staff.
- Problems in continuous power supply.



- Space constraints.
- Limited storage facility for water.
- Inadequate campus placements.

Opportunities

- Great potential for academic- industry collaboration.
- Excellent opportunity for students and faculty to interact with eminent academics.
- Opportunity to ensure student diversity.
- Opportunity for intwernational collaboration.
- Opportunity to develop more patents.

Challenges

- Taking up of extension and consultancy services.
- To establish industry collaborations.
- Procedural delay in the repair sophisticated instruments.
- Handling of chemical waste.
- Ensuring campus placement to all students.

52. Future plans of the department

- Promoting research in multi-disciplinary areas.
- Promoting academic- industry collaborative research.
- Having classroom interaction with National/international experts.
- MoU with overseas universities and institutes.
- To increase the number of international collaborative research projects.
- Introducing microscale experiments in the M.Sc. laboratories to reduce chemical wastes.
- Rain water harvesting.
- Proper management of chemical wastes by selecting green routes for chemical reactions.



SCHOOL OF COMPUTER SCIENCES

1.	Name of the Department	:	: School of Computer Sciences		
2.	Year of establishment	:	1990		
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty of Science Faculty of Engineering and Technology		
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	 M.Sc. Computer Science M.Tech. Computer Science and Technology (Specialisation: Communication and Network Technology) M.Phil. Computer Science Ph.D. 		
5.	Interdisciplinary programmes and departments involved	:	The students of Computer Sciences are given ample opportunity to take open courses of other schools and centres of the university. The school ccollaborates with Business Innovation and Incubation Centre (BIIC) of the University for student start-up programmes		
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	During Master and M.Tech programmes students are sent out to different laboratories of academia and industries. Many of the master and Ph.D students are able to publish research articles during this period. Main Project (SKS15 401) of IV th Semester M Sc, Industrial Training(CS15304(P)), Master Research Project- Phase 1(CS15305(P)) and Master Research project – Phase 2(CS15401(P)) of 3 rd and 4 th Semesters M Tech.		
7.	Details of programmes discontinued, if any, with reasons	:	Nil		
8.	Examination System Annual/Semester/Trimester/Choice Based Credit System	:	Semester (Choice Based Credit System)		



9.	Participation of the		The School offers open courses in 3rd semester of			
	department in the courses		M.Sc to students of other Schools as per the CSS			
	offered by other departments	:	regulations of the University.			
10.	Number of teaching posts,					
	sanctioned, filled and actual			Sanctioned	Filled	Actual
	(Professors/Associate					(including CAS &
	Professors/Asst.	:				MPS)
	Professors/others)		Professor	1	1	1
			Associate			3
			Professors			
			Asst.	5	3 + 1	-
			Professors		on	
					long	
					leave	
			Others			5(3 guests
						for M Tech
						+ 1 contract
						and 1 guest
						for M.Sc)

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 6 years
Dr. R.	B Sc	Professor	Artificial	Teaching -	Ph.D – 12
Vijayakumar	(Elec. Engg)		Intelligence	31 Years	M Tech – 6
	M.Tech (CS)			Research-	
	Ph.D (CS)			8 Years	
Dr. Bindu	M.Sc.,	Associate	Image	23 yrs.	Nil
V.R.	Ph.D.	Professor	processing		
			and Shape		
			Modeling		
Ms.	MCA	Associate	Data Mining	21 yrs.	Nil
Pushpalatha		Professor			
K.P.					
Dr. Anuj	MCA,	Associate	Pattern	21 yrs.	Nil
Mohamed	Ph.D.	Professor	Recognition		
			and Machine		
			Learning		
Dr. Abraham	M.Sc.	Assistant		ON LEAVE	
P. Korah	Ph.D.	Professor			



12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Sl. No	Name	Visiting Fellows/ Adjunct faculty/ Emeritus professors	Specialization
1.	Dr. Ashish Mahabal, Senior Research Scientist, California Institute of Technology (Caltech) USA	Scholar in Residence During 2010-11	High Performance Computing
2.	Dr. Roger B Dannenberg , Professor, SOCSAM, Carnegie Mellon University, Penssyllvania, USA	Adjunct faculty	Science of Music
3.	Dr. Raju G, Prof.& HOD, Dept. of Information Technology, Kannur University, Kannur	Adjunct faculty	Soft Computing Image Processing Data Mining
4.	Dr. Varghese Paul, Prof.& HOD, Dept of IT, CUSAT, Cochin	Adjunct faculty	Cryptography and Network Security
5.	Prof. (Dr.) S.K. Sinha, CEDT, Indian Institute of Science, Bangalore.	Visiting Fellow	Computing Paradigms
6.	Dr. Prahlad Vadakkeppatt, Professor of National University of Singapore	Visiting Fellow	Robotics and AI
7.	Prof. (Dr.) Paulose Jacob, HOD, Department of Computer Science, Cochin university of Science and Technology, Kerala.	Visiting Fellow	Computer Networking
8.	Prof. (Dr.) Achuth Sankar S. Nair, Director, Department of Computational Biology and Bioinformatics, University of Kerala.	Visiting Fellow	Bioinformatics
9.	Ms. Easwari PV, Senior consultant, Siemens Information Systems Limited, Bangalore. (also an alumnus of the School)	Visiting Fellow	Software Engineering
10.	Pradeep P. Project Co-ordinator/ Analyst, FINGENT Technology Solutions, Infopark, Kochi	Visiting Fellow	Software Engineering



13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	2010-16
M.Sc	40 %
M.Tech	75 %
M.Phil	0%
Ph.D.	0%

14. Programme-wise Student Teacher Ratio

Programme	Ratio
M.Sc	10:1
M.Tech	9:1
M.Phil	2:1
Ph.D.	6:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Technical	2	2	2
Administrative	4	4	4 + 1 casual worker
Staff			

16. Research thrust areas as recognized by major funding agencies:

- Artificial Intelligence
- Pattern Recognition
- Image Processing and Computer Graphics
- Design and Analysis of Algorithms
- Soft Computing
- Data Mining
- Advanced and Wireless Networking
- Internet programming
- Internet of Things Cloud Computing
- Advanced Computing Paradigms.
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil
- 18. Inter-institutional collaborative projects and associated grants received

a) National collaborationb) International collaborationii Nil



19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc;

Total grants received: Nil.

20. Research facility / centre with

• State Recognition : Yes

• National Recognition : Yes(AICTE)

• International Recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	16
2.	Monographs	Nil
3.	Conference Proceedings	33
4.	Chapters in Books	17
5.	Edited Books	1
6.	Books authored with ISBN	2
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
	Total	69

• Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): 9

Citation Index – range
 SNIP
 SJR – range
 1-17 / average – 7
 0.207 - 0.479
 0.14 - 0.24

Impact Factor : 2h-index : 2

23. Details of patents and income generated: Nil



24. Areas of consultancy and income generated:

- Proposal submitted as plan proposal for 2017-18 for setting up Digital Solutions and Consultancy Services (DSACS) in the school, currently conceived as a five year project.
- o Software for automating Credit Semester Systems, Provident Fund and Accounts sections of the University have been provided by the School as consultancy services.

25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad : Nil

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other

• National committees: Nil

• International committees:

Sl. No.	Name of the faculty	Committee
		1. Professional member of ACM (Association of
	Dr. Bindu V.R.	Computing Machinery).
		2. Life Member – IAENG (International
		Association of Engineers)
		1. Life Member – IAENG (International
	Dr. Anuj Mohamed	Association of Engineers)
		2. Professional Member of ACM (Association of
		Computing Machinery).

• Editorial Boards:

Sl. No.	Name of the faculty	Committee
	Dr.R. Vijayakumar	1. Editor, International Journal "Mahatma Gandhi University International Journal on Computing and Communication (MGU IJCC)", December 2012. ISSN: 2318-8850
	Dr. Bindu V.R.	1. Member, Technical Advisory Committee, International Journal "Mahatma Gandhi University International Journal on Computing and Communication (MGU IJCC)", December 2012, ISSN: 2318-8850.
	Dr. Anuj Mohamed	2. Member, Technical Advisory Committee, International Journal "Mahatma Gandhi University International Journal on Computing and Communication (MGU IJCC)", December 2012. ISSN: 2318-8850.

• any other (please specify):



Sl. No.	Name of the faculty	Committee
1.	Dr.R. Vijayakumar	 Adjunct Professor, Centre for Bio Informatics, University of Kerala, Kariyavattom, Trivandrum 04-06-2011 onwards Member Kerala State Planning board (IT), Kerala (from 2015 onwards) Dean(Engineering & Technology), Member Syndicate /Academic Council, Mahatma Gandhi University: 18-08-2014 to 18-07-2016 Director, College Development Council 2012-2016, MGU. Chairperson, Board of Studies Computer Science and Applications (PG), MGU Governing Council Member SB College (Autonomous) From January 2015 onwards Nominee from Mahatma Gandhi University Member, Academic Council, CUSAT: From 11-03-2015 onwards Ex-OFFICIO NOMINEE of the Hon'ble Vice-Chancellor, Mahatma Gandhi University
2.	Dr. Bindu V.R.	 Dean, Faculty of Technology and Applied Science, MG University. Member, Academic Council, MG University. Chairperson, Board of Studies, School of Computer Sciences, MG University. Chairperson, Board of Studies in Computer Science and Applications (PG), MGU 30.4.2010-29.4.2013. Member, Board of Studies Computer Science (PG), University of Kerala 26.3.2010-25.3.2013, 20.11.2013-19.11.2016. Question Paper setter for Kerala Public Service Commission. Member of Expert Committee to strengthen the System Administration Wing of the University. Chief Co-ordinator of the Spoken Tutorial Project (an initiative of NMEICT, Ministry of Human Resource Development, Govt. of India), in the University. Presiding Officer, Permanent Cell to Combat Sexual Harassment in the University. Member of University level Implementation and Monitoring Committee (E-Governance) Member of the Technical committee to assess the Software/Hardware requirements for the e-learning project of the University. Member of e-learning/ICT Committee for e-learning project approval, e-content approval and for taking other decisions related to e-learning and net working in the University.



	Ms.Pushpalatha K.P.	 Member of the Revision Committee for drafting revised CSS Regulations of the University implemented from 2016 admissions. Member, Board of Studies, Computer Sciences (PG), School of Computer Sciences, Mahatma Gandhi University, Kottayam. Member of Board of Studies, Computer Science & Applications(Pass), Mahatma Gandhi University, Kottayam from April 2009 to 2012.
3.	2720.2 3024p	 Member, permanent cell to combat sexual harassment in the University. Member of e-learning/ICT Committee for e-learning project approval, e-content approval and for taking other decisions related to e-learning and networking 2015.
4.	Dr. Anuj Mohamed	 Member – IQAC of the University. Member, Board of Studies, School of Computer Sciences, MGU. Member, BOS in Computer Science (Pass), University of Kerala 19/1/2010 to 18/1/2013 Member, BOS in Computer Science and Applications(PG), Mahatma Gandhi University 30/4/2010 to 29/4/2013 Convenor, Anti Harassment Cell of the University 10/8/2010 to 9/8/2012 Member, Implementation and Monitoring Committee for Campus Wide Networking, Mahatma Gandhi University,2010-11.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

All the faculty members have undergone Orientation and Refresher prgrammes as per UGC requirements, and regularly attend various faculty development programmes organized by other academic bodies/institutions.

Year	Name of the faculty	Committee
2010- 11	Prof. Dr. R Vijayakumar	 Resource Person: Workshop on "Teaching Learning Process", School of Computer Sciences, April 6, 2011. National Conference on "Computing and Communication (NCCC 2011)", School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, May 26-27, 2011.
	Dr. Bindu V R	1. National Workshop on "Digital Content Authoring Technology and Use of Open Educational Resources", IGNOU, Kochi, 10/6/2010 To 13/6/2010.



	 National Symposium on Public Key Infrastructure Outreach Programme- Nationwide PKI awareness Programme, CDAC Bangalore And Controller of Certifying Authorities, Govt. of India, 19/8/2010. "Orientation Programme for Women Counsellors of Affiliated Colleges", Department of Student Services, Mahatma Gandhi University, 13/01/2011. Workshop on "Tour Making", Mr. Aravind Paranjpye, Officer for Science Popularization, IUCAA, Pune, October 18-19, 2010. Seminar on "Cyber Crimes", Mr. E.S. Bijumon, DYSP, Cyber Cell, Trivandrum, December 17, 2010. Workshop on "FOSS and BOSS", Smt. Saleena H, Senior Technical Officer, CDAC, Trivandrum, December 17, 2010. Workshop on "e-Astronomy and Statistics", organized by School of Pure and Applied Physics in association with School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January 17-19, 2011. Seminar on "Best Programming Practices", Dr. Ashish Mahabal, Senior Research Scientist, California Institute of Technology (Caltech) USA, (Erudite Scholar- Mahatma Gandhi University), January 20, 2011. Workshop on "Computer Networking Leading to CCNA Certification", March 16, 2011. Workshop on "MCA Syllabus Revision", Mahatma Gandhi University, 24-25 March 2011 and 12th May 2011. Workshop on "Teaching Learning Process", Dr. R. Vijayakumar, School of Computer Sciences, April 6, 2011. National Conference on "Computing and Communication (NCCC 2011)", School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, May 26-27, 2011.
Ms. Pushpalatha K.P.	 International Conference on "Education for Peace, Social Inclusion and Sustainable Development: Towards a Paradigm Shift (ICMGU 2010)", Mahatma Gandhi University, December 6-10, 2010. Seminar on "Cyber Crimes", Mr. E.S. Bijumon, DYSP, Cyber Cell, Trivandrum, December 17, 2010. Workshop on "FOSS and BOSS", Smt. Saleena H, Senior Technical Officer, CDAC, Trivandrum, December17,2010. Presented a paper at 2010 IEEE International Conference on Computational Intelligence and Computing Research, Coimbatore, 2829, December 2010. Workshop on "e-Astronomy and Statistics", organized by



	School of Pure and Applied Physics in association with
	School of Computer Sciences, Mahatma Gandhi
	University, Kottayam, Kerala, January 17-19, 2011.
	6. Seminar on "Best Programming Practices", Dr. Ashish
	Mahabal, Senior Research Scientist, California Institute
	of Technology (Caltech) USA, (Erudite Scholar-
	Mahatma Gandhi University), January 20, 2011.
	7. Lecture by Prof. Sir. Anthony J. Leggett, Nobel Laureate,
	University of Illinois. (Erudite Scholar- Mahatma Gandhi
	University), January 31, 2011.
	8. Workshop on "MCA Syllabus Revision", Mahatma
	Gandhi University, 24-25 March 2011 and 12 th May
	2011.
	9. Workshop on "Teaching Learning Process", Dr. R.
	Vijayakumar, School of Computer Sciences, April 6,
	2011.
	10. National Conference on "Computing and Communication
	(NCCC 2011)", School of Computer Sciences, Mahatma
	Gandhi University, Kottayam, Kerala, May 26-27, 2011.
	1. Workshop on "Digital Content Authoring Technology
	and Use of Open Educational Resources", IGNOU,
	Regional Centre, Cochin, June 10-13, 2010.
	2. One day symposium on "PKI Outreach" organized by
	CDAC, Bangalore and Controller of Certificating Authorities, Govt. of India, as part of the Nationwide
	<u> </u>
	PKI Awareness Programme, Kochi, August 19, 2010. 3. Presented a paper at Conference on "Emerging Trends in
	Computing" organized as part of Amrita ACM-W
	Celebration of Women in Computing (A2CW _i C 2010) ",
	Department of Computer Science and Engineering,
	Amrita Vishwa Vidyapeetham University, Coimbatore,
	September 16-17, 2010.
	4. Workshop on "Tour Making", Mr. Aravind Paranjpye,
Dr. Anuj Mohamed	Officer for Science Popularization, IUCAA, Pune,
Di. Ting Wondined	October 18-19, 2010.
	5. International Conference on "Education for Peace, Social
	Inclusion and Sustainable Development: Towards a
	Paradigm Shift (ICMGU 2010)", Mahatma Gandhi
	University, December 6-10, 2010.
	6. Seminar on "Cyber Crimes", Mr. E.S. Bijumon, DYSP,
	Cyber Cell, Trivandrum, December 17, 2010.
	7. Workshop on "FOSS and BOSS", Smt. Saleena H,
	Senior Technical Officer, CDAC, Trivandrum, December
	17, 2010.
	8. Workshop on "e-Astronomy and Statistics", organized by
	School of Pure and Applied Physics in association with
	School of Computer Sciences, Mahatma Gandhi
	University, Kottayam, Kerala, January 17-19, 2011.
	9. Seminar on "Best Programming Practices", Dr. Ashish



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		 Mahabal, Senior Research Scienist, California Institute of Technology (Caltech) USA, (Erudite Scholar- Mahatma Gandhi University), January 20, 2011. 10. Lecture by Prof. Sir. Anthony J. Leggett, Nobel Laureate, University of Illinois. (Erudite Scholar- Mahatma Gandhi University), January 31, 2011. 11. Workshop on "Computer Networking Leading to CCNA Certification", March 16, 2011. 12. Workshop on "MCA Syllabus Revision", Mahatma Gandhi University, 24-25 March 2011 and 12th May 2011. 13. Workshop on "Teaching Learning Process", Dr. R. Vijayakumar, School of Computer Sciences, April 6, 2011. 14. National Conference on "Computing and Communication (NCCC 2011)", School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, May 26-27, 2011. 15. Seminor on "Computational Intelligence Packetics and
2011- 2012	Prof. Dr. R Vijayakumar	 Gandhi University, Kottayam, Kerala, May 26-27, 2011. Seminar on "Computational Intelligence, Robotics and Autonomous Systems" by Dr. Prahlad Vadakkeppat, National University of Singapore, January 3rd, 2012. Conference on Computing Paradigms and Bio- informatics (CPBI 2012), School of Computer Sciences,
		Mahatma Gandhi University, Kottayam, Kerala, January, 2012.



	1. Workshop on "Laws Related to Sexual Harassment"
	1. Workshop on "Laws Related to Sexual Harassment" organized by Anti-Harassment Cell of Mahatma Gandhi
	·
	University, Kottayam, Kerala in June 2011.
	2. Brainstorming Workshop on "Unicode Malayalam DTP
	Software Project"- organized by the Project Co-
	ordinator, Unicode Malayalam DTP Software Project,
	Mahatma Gandhi University, July 19, 2011
	3. DTE Sponsored Short Term Training Programme on
	"Soft Computing Techniques for Engineering
	Research" organized by Govt. Engineering College
	(Rajiv Gandhi Institute of Technology), Kottayam,
	Kerala, 14-19 November 2011.
	4. Presented a paper at IEEE International Conference on
	Computational Intelligence and Computing Research
	(2011 IEEE ICCIC) Dec 15-18, 2011.
	5. Three day workshop on "Academic Writing Skills"
	organized by Kerala State Council for Science
	Technology and Environment (KSCSTE), Kerala Forest
	Research Institute (KFRI) and Centre for Information
Dr. Bindu V.R.	Literacy Studies (CILS), University of Kerala, at KFRI,
Di. Billuu V.K.	Peechi, Thrissur, 21-23 December 2011.
	6. Seminar on "Computational Intelligence, Robotics and
	Autonomous Systems" by Dr. Prahlad Vadakkeppat,
	National University of Singapore, January 3 rd , 2012.
	7. Conference on Computing Paradigms and Bio-
	informatics (CPBI 2012), School of Computer
	Sciences, Mahatma Gandhi University, Kottayam,
	Kerala, January, 2012.
	8. Workshop on "Research Methodology" by Prof. (Dr.)
	Achuth Sankar S. Nair, Director, State Inter University
	Centre of Excellence in Bio-Informatics, University of
	Kerala organized as part of INBOFA 2012 by Mahatma
	Gandhi University, Kottayam, Kerala, January 2012.
	9. Theme Discussion on "Green Computing" organized as
	part of INBOFA 2012 by Mahatma Gandhi University,
	Kottayam, Kerala, January 2012.
	10. Three day Workshop on "M.Sc Syllabus Revision" as
	Chairperson, Board of Studies in Computer Science
	and Applications (PG), Mahatma Gandhi University,
	Kottayam, Kerala on 6-8 March 2012.
	1. Workshop on "Laws Related to Sexual Harassment"
	organized by Anti-Harassment Cell of Mahatma Gandhi
	University, Kottayam, Kerala, June 2011.
Ms. Pushpalatha	2. Brainstorming Workshop on "Unicode Malayalam DTP
K.P.	Software Project" - organized by the Project Co-
1442.	ordinator, Unicode Malayalam DTP Software Project,
	Mahatma Gandhi University, July 19, 2011
	3. Workshop on "Research Methodology" by Prof. (Dr.)
	Achuth Sankar S. Nair, Director, State Inter University
	Achidii Sankai S. Ivan, Difector, State filter University



Centre of Excellence in Bio-Informatics, University of Kerala organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, January 2012. 4. Theme Discussion on "Green Computing" organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, January 2012. 5. Presented a paper at International Conference on Advances in Computing (ICAC 2011), Department of CSE, PSG College of Technology, Coimbatore, Dec 9-11, 2011. 6. Under UGC's Faculty Improvement Programme till July 2012. 7. Presented a paper at Conference on Computing Paradigms and Bio-informatics (CPBI 2012), School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January, 2012. 8. Presented a paper at IEEE International Conference on Technology Enhanced Education (ICTEE:2012), Amrutha University, Kollam, Kerala, January 2012. 1. Workshop on "Laws Related to Sexual Harassment" as Convenor, Anti-Harassment Cell, Mahatma Gandhi University, Kottayam, Kerala, January 2012. 1. Workshop on "Laws Related to Sexual Harassment" as Convenor, Anti-Harassment Cell, Mahatma Gandhi University, Kottayam, Kerala, June 2011. 2. DTE Sponsored Short Term Training Programme on "Soft Computing Techniques for Engineering Research" organized by Govt. Engineering College, Kottayam, Kerala, November 2011. 3. DTE Sponsored Short Term Training Programme on "Recent Trends in Audio and Speech Processing" organized by Govt. Engineering College, Kottayam, Kerala, November 2011. 4. Seminar on "Computational Intelligence, Robotics and Autonomous Systems" by Dr. Prahlad Vadakkeppat, National University of Singapore, January 3rd, 2012. 5. Conference on Computing Paradigms and Bio-informatics (CPBI 2012), School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January, 2012. 6. Presented a paper at International Conference on "Communication Technology and System Design", Amrita Vishwa Vidyapeetham, Coimbatore, 2011. 7. Attended a Workshop on "Research Methodology" by Prof. (Dr.) Adunth Sankar S. Nair, Directo	Kerala organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, January 2012. 4. Theme Discussion on "Green Computing" organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, January 2012. 5. Presented a paper at International Conference on Advances in Computing (ICAC 2011), Department of CSE, PSG College of Technology, Coimbatore, Dec 9-11, 2011. 6. Under UGC's Faculty Improvement Programme till July 2012. 7. Presented a paper at Conference on Computing Paradigms and Bio-informatics (CPBI 2012), School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January, 2012. 8. Presented a paper at IEEE International Conference on Technology Enhanced Education (ICTEE2012), Amrutha University, Koltayam, Kerala, January 2012. 1. Workshop on "Laws Related to Sexual Harassment" as Convenor, Anti-Harassment Cell, Mahatma Gandhi University, Kottayam, Kerala, June 2011. 2. DTE Sponsored Short Term Training Programme on "Soft Computing Techniques for Engineering Research" organized by Govt. Engineering College, Kottayam, Kerala, November 2011. 3. DTE Sponsored Short Term Training Programme on "Recent Trends in Audio and Speech Processing" organized by Govt. Engineering College, Kottayam, Kerala, November 2011. 4. Seminar on "Computational Intelligence, Robotics and Autonomous Systems" by Dr. Prahlad Vadakkeppat, National University of Singapore, January 3 rd , 2012. 5. Conference on Computing Paradigms and Bioinformatics (CPBI 2012), School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January, 2012. 6. Presented a paper at International Conference on "Communication Technology and System Design", Amrita Vishwa Vidyapeetham, Coimbatore, 2011. 7. Attended a Workshop on "Research Methodology" by Prof. (Dr.) Achuth Sankar S. Nair, Director, State Inter University of Kerala organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, and		
organized by Govt. Engineering College, Kottayam, Kerala, November 2011. 3. DTE Sponsored Short Term Training Programme on "Recent Trends in Audio and Speech Processing" organized by Govt. Engineering College, Kottayam, Kerala, November 2011. 4. Seminar on "Computational Intelligence, Robotics and Autonomous Systems" by Dr. Prahlad Vadakkeppat, National University of Singapore, January 3 rd , 2012. 5. Conference on Computing Paradigms and Bio- informatics (CPBI 2012), School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January, 2012. 6. Presented a paper at International Conference on "Communication Technology and System Design", Amrita Vishwa Vidyapeetham, Coimbatore, 2011. 7. Attended a Workshop on "Research Methodology" by Prof. (Dr.) Achuth Sankar S. Nair, Director, State Inter University Centre of Excellence in Bio-Informatics, University of Kerala organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, and	organized by Govt. Engineering College, Kottayam, Kerala, November 2011. 3. DTE Sponsored Short Term Training Programme on "Recent Trends in Audio and Speech Processing" organized by Govt. Engineering College, Kottayam, Kerala, November 2011. 4. Seminar on "Computational Intelligence, Robotics and Autonomous Systems" by Dr. Prahlad Vadakkeppat, National University of Singapore, January 3 rd , 2012. 5. Conference on Computing Paradigms and Bio- informatics (CPBI 2012), School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January, 2012. 6. Presented a paper at International Conference on "Communication Technology and System Design", Amrita Vishwa Vidyapeetham, Coimbatore, 2011. 7. Attended a Workshop on "Research Methodology" by Prof. (Dr.) Achuth Sankar S. Nair, Director, State Inter University Centre of Excellence in Bio-Informatics, University of Kerala organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, and		 Gandhi University, Kottayam, Kerala, January 2012. Theme Discussion on "Green Computing" organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, January 2012. Presented a paper at International Conference on Advances in Computing (ICAC 2011), Department of CSE, PSG College of Technology, Coimbatore, Dec 9-11, 2011. Under UGC's Faculty Improvement Programme till July 2012. 7Presented a paper at Conference on Computing Paradigms and Bio-informatics (CPBI 2012), School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January, 2012. Presented a paper at IEEE International Conference on Technology Enhanced Education (ICTEE2012), Amrutha University, Kollam, Kerala, January 2012. Workshop on "Laws Related to Sexual Harassment" as Convenor, Anti-Harassment Cell, Mahatma Gandhi University, Kottayam, Kerala, June 2011. DTE Sponsored Short Term Training Programme on
Dr. Anuj Mohamed Autonomous Systems" by Dr. Prahlad Vadakkeppat, National University of Singapore, January 3 rd , 2012. Conference on Computing Paradigms and Bioinformatics (CPBI 2012), School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January, 2012. Presented a paper at International Conference on "Communication Technology and System Design", Amrita Vishwa Vidyapeetham, Coimbatore, 2011. Attended a Workshop on "Research Methodology" by Prof. (Dr.) Achuth Sankar S. Nair, Director, State Inter University Centre of Excellence in Bio-Informatics, University of Kerala organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, and	Dr. Anuj Mohamed Autonomous Systems" by Dr. Prahlad Vadakkeppat, National University of Singapore, January 3 rd , 2012. 5. Conference on Computing Paradigms and Bioinformatics (CPBI 2012), School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January, 2012. 6. Presented a paper at International Conference on "Communication Technology and System Design", Amrita Vishwa Vidyapeetham, Coimbatore, 2011. 7. Attended a Workshop on "Research Methodology" by Prof. (Dr.) Achuth Sankar S. Nair, Director, State Inter University Centre of Excellence in Bio-Informatics, University of Kerala organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, and		 Workshop on "Laws Related to Sexual Harassment" as Convenor, Anti-Harassment Cell, Mahatma Gandhi University, Kottayam, Kerala, June 2011. DTE Sponsored Short Term Training Programme on "Soft Computing Techniques for Engineering Research" organized by Govt. Engineering College, Kottayam, Kerala, November 2011. DTE Sponsored Short Term Training Programme on "Recent Trends in Audio and Speech Processing" organized by Govt. Engineering College, Kottayam, Kerala, November 2011.
"Communication Technology and System Design", Amrita Vishwa Vidyapeetham, Coimbatore, 2011. 7. Attended a Workshop on "Research Methodology" by Prof. (Dr.) Achuth Sankar S. Nair, Director, State Inter University Centre of Excellence in Bio-Informatics, University of Kerala organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, and	"Communication Technology and System Design", Amrita Vishwa Vidyapeetham, Coimbatore, 2011. 7. Attended a Workshop on "Research Methodology" by Prof. (Dr.) Achuth Sankar S. Nair, Director, State Inter University Centre of Excellence in Bio-Informatics, University of Kerala organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, and	Dr. Anuj Mohamed	 Autonomous Systems" by Dr. Prahlad Vadakkeppat, National University of Singapore, January 3rd, 2012. 5. Conference on Computing Paradigms and Bioinformatics (CPBI 2012), School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January, 2012.
			 "Communication Technology and System Design", Amrita Vishwa Vidyapeetham, Coimbatore, 2011. 7. Attended a Workshop on "Research Methodology" by Prof. (Dr.) Achuth Sankar S. Nair, Director, State Inter University Centre of Excellence in Bio-Informatics, University of Kerala organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, and



		 Attended a Theme Discussion on "Green Computing" organized as part of INBOFA 2012 by Mahatma Gandhi University, Kottayam, Kerala, January 2012. Attended a three day Workshop on "M.Sc Syllabus Revision" organized by Ms.Bindu V.R. as Chairperson, Board of Studies in Computer Science and Applications (PG), Mahatma Gandhi University, Kottayam, Kerala on 6-8 March 2012.
	Prof. Dr. R Vijayakumar	 Attended a national level technical talk on "NP Comlete Problems and High Performance Computing" as part of Interface2012 in Dec, 2012. Skill enhancement workshop on "Open source software "organized by the School during 2012, inaugurated by Dr. Iqbal, former Vice-chancellor of Kerala University.
	Dr. Bindu V.R.	 Attended a national level technical talk on "NP Comlete Problems and High Performance Computing" as part of Interface2012 in Dec, 2012. Skill enhancement workshop on "Open source software "organized by the School during 2012, inaugurated by Dr. Iqbal, former Vice-chancellor of Kerala University.
2012- 2013	Ms. Pushpalatha K.P.	 Under UGC's Faculty Improvement Programme till July 2012. 2. Attended a national level technical talk on "NP Comlete Problems and High Performance Computing" as part of Interface2012 in Dec, 2012. Skill enhancement workshop on "Open source software "organized by the School during 2012, inaugurated by Dr. Iqbal, former Vice-chancellor of Kerala University.
	Dr. Anuj Mohamed	 Attended a Seminar on "Recent Trends in Sound Recording" by Dr. Pradeep Somasundaram, organized by Inter University Centre for Sound and Music, Mahatma Gandhi University, Kottayam, Kerala. Attended a national level technical talk on "NP Complete Problems and High Performance Computing" as part of Interface2012 in Dec, 2012. Skill enhancement workshop on "Open source software "organized by the School during 2012, inaugurated by Dr. Iqbal, former Vice-chancellor of Kerala University. UGC Sponsored SAM Workshop on "Capacity Building of Women Managers in Higher Education", CMS College, Kottayam, April 2013.
2013- 2014	Prof. Dr. R. Vijayakumr	 National Seminar on "Computing and Communication" at School of Computer Sciences, December 2013. One day Induction Training programme for Aided and Govt Teachers of Southern Region of Kerala, with the help of Flair Group ,Higher Education Dept , Govt of Kerala on 03/08/2013; Venue: Seminar Hall , School of Environmental Sciences Co-ordinated by Prof & HoD



		Dr.R.Vijayakumar, DCDC as per Directions of Registrar and Hon'ble VC.
		3. A workshop for Lateral Entry MCA (LMCA)
		Formulation of Scheme ,Syllabi and Regulation for the
		newly introduced programme held on 06-09-2013.
		4. A workshop on Double Degree MCA (DD MCA)
		Formulation of Scheme ,Syllabi and Regulation for the
		newly introduced programme held on 11-10-2013.
		1. One-week long ISTE-SRM short term training programme
		on "Image Processing" organized by College of
		Engineering, Attingal and sponsored by Indian Society of
		Technical Education, New Delhi during 3 rd June to 9 th June
		2013.
		2. 2.State Level workshop on e-governance,
		Thiruvanathapuram, June 2013
		3. A workshop for Lateral Entry MCA (LMCA)
		Formulation of Scheme ,Syllabi and Regulation for the
		newly introduced programme06-09-2013
		4. One day ISTE e-Workshop on "Creative Teaching" at
		School of Computer Sciences, October 2013.
	Dr. Bindu V.R.	5. A workshop on Double Degree MCA (DD MCA)
	Di. Dinga v.ra	Formulation of Scheme ,Syllabi and Regulation for the
		newly introduced programme11-10-2013
		1 5
		6. 6. National Seminar on "Computing and
		Communication" organized by School of Computer
		Sciences, December 2013.
		7. 3-day National Workshop on Computer Vision and
		Image Processing Techniques organized by Amrita
		School of Engineering, Coimbatore during Feb 6-8, 2014.
		8. Presented a research paper at the IEEE International
		Conference on the Applications of Digital Information
		and Web Technologies (ICADIWT 2014) held at the
		PRIST University, at Chennai, India during Feb 17-19,
		2014.
		1. Short Term Training Programme on "Pattern
		Recognition" organized by Govt. Engineering College,
		Kottayam, June 2013
		2. A workshop for Lateral Entry MCA (LMCA)
		Formulation of Scheme ,Syllabi and Regulation for the
	Ms. Pushpalatha K	newly introduced programme06-09-2013
		3. One day ISTE e-Workshop on "Creative Teaching" at
	P	School of Computer Sciences, October 2013.
		4. A workshop on Double Degree MCA (DD MCA)
		Formulation of Scheme ,Syllabi and Regulation for the
		newly introduced programme11-10-2013
		1
		organized by School of Computer Sciences, December
		2013.



	Dr. Anuj Mohamed	 Short Term Training Programme on "Pattern Recognition" organized by Govt. Engineering College, Kottayam, June 2013 State Level workshop on e-governance, Thiruvanathapuram, June 2013 A workshop for Lateral Entry MCA (LMCA) Formulation of Scheme ,Syllabi and Regulation for the newly introduced programme06-09-2013 One day ISTE e-Workshop on "Creative Teaching" at School of Computer Sciences, October 2013. A workshop on Double Degree MCA (DD MCA) Formulation of Scheme ,Syllabi and Regulation for the newly introduced programme11-10-2013 National Seminar on "Computing and Communication" organized by School of Computer Sciences, December 2013. Workshop on "Speech Processing" organized by Govt.
2014- 2015	Prof. Dr. R Vijayakumar	 Engineering College, Kottayam, December 2013 Devamatha College, Kuravilangad – delivered the inaugural address in the UGC sponsored National Seminar. Sullamussalam Science College, Malappuram – delivered the inaugural address in the National Conference on Advances in Computing, Communication and Applications (ACCA'15). TITUS II Teacher Education College, Thiruvalladelivered the valedictory address in the National Seminar on "Learning opportunities- ICT Education" FISAT, Angamali, Ernakulam - delivered the keynote address in the 4th International Conference on "Advanced Computing and communication Technologies for HPC Applications" Newman College, Thodupuzha- delivered the inaugural address in the National Seminar on "Cyber Space and Security". Attended an International Seminar on "Talking Like Humans" by Christy Alias, Ph.D Scholar, Trinity College, Dublin, Ireland on 6th December, 2014 as part of Interface 2014. Attended a workshop on 'NAAC Accreditation' organized by the University on 19th March 2015.
	Dr. Bindu V.R.	 Invited talk on "Fuzzy Logic" at Assumption College, Changanassery on 1.10.2014. Workshops/Seminars Organized awareness workshop on Spoken Tutorial project (an initiative of NMEICT, MHRD, Govt. of India), as Chief Co-ordinator of the University for the faculty members from the departments of Computer Science and Engineering/Computer Applications/IT of



	th.
	the various institutions under M G University on 27 th August 2014
	4. National seminar at School of Computer Sciences by Dr
	Manjaiah, Professor, Dept. of Studies and Research in
	Computer Science, Mangalore University on "Systems
	Programming" on 21 st July 2014.
	5. National E-seminar "Steps2Research" at School of
	Computer Sciences during 19-20 September 2014.
	6. International Seminar on "Talking Like Humans" by
	Christy Alias, Ph.D Scholar, Trinity College, Dublin,
	Ireland on 6 th December, 2014 as part of Interface 2014.
	7. Presented a paper at International Conference on
	Computational Intelligence in Data Mining (ICCIDM
	2014) during 20 th -21 st December 2014, held at VSSUT,
	Sambalpur, Odisha.
	8. Presented a paper at the Second International Conference
	on Information Systems Design and Intelligent
	Applications – 2015(INDIA 015) during Jan8-9, 2015
	organized by Faculty of Engineering, Technology and
	Management, University of Kalyani, West Bengal, India.
	9. 'Training A-view System' for the faculty members and
	technical staff of the School on 23 rd February 2015.
	10. Two Day Women's Workshop on RESOURCE
	BUILDING FOR GENDER SENSITISATION IN
	HIGHER EDUCATION organized by the Kerala State
	Higher Education Council on 28/2/2015 and 1/3/2015 at
	Thiruvananthapuram.
	11. Workshop on 'NAAC Accreditation' organized by the
	University on 19 th March 2015.
	National seminar at School of Computer Sciences by Dr
	Manjaiah, Professor, Dept. of Studies and Research in
	Computer Science, Mangalore University on "Systems
	programming" on 21st July 2014.
	2. Awareness workshop on Spoken Tutorial project (an
	initiative of NMEICT, MHRD, Govt. of India) for the
	faculty members from the departments of Computer
	Science and Engineering/Computer Applications/IT of
Ms.Pushpalatha	11.
K.P.	August 2014.
	3. National E-seminar "Steps2Research" at School of
	Computer Sciences during 19-20 September 2014.
	4. International Seminar on "Talking Like Humans" by
	Christy Alias, Ph.D Scholar, Trinity College, Dublin,
	Ireland on 6 th December, 2014 as part of Interface 2014.
	5. Workshop on 'Training A-view System' on 23 rd
	February 2015 organized by the School.
	1 columny 2013 organized by the selloof.



	Dr. Anuj Mohamed	 National seminar at School of Computer Sciences by Dr Manjaiah, Professor, Dept. of Studies and Research in Computer Science, Mangalore University on "Systems programming" on 21st July 2014. Awareness workshop on Spoken Tutorial project (an initiative of NMEICT, MHRD, Govt. of India) for the faculty members from the departments of Computer Science and Engineering/Computer Applications/IT of the various institutions under M G University on 27th August 2014. National E-seminar "Steps2Research" at School of Computer Sciences during 19-20 September 2014. International Seminar on "Talking Like Humans" by Christy Alias, Ph.D Scholar, Trinity College, Dublin, Ireland on 6th December, 2014 as part of Interface 2014. Presented a paper at International Conference on Computational Intelligence in Data Mining (ICCIDM 2014) during 20th-21st December 2014, held at VSSUT, Sambalpur, Odisha. Presented a paper at Second International Conference on Information Systems Design and Intelligent Applications – 2015(INDIA 015) during Jan8-9, 2015 organized by Faculty of Engineering, Technology and Management, University of Kalyani, West Bengal, India. Workshop on 'Training A-view System' on 23rd February 2015 organized by the School. Workshop on 'NAAC Accreditation' organized by the University on 19th March 2015.
2015- 2016	Prof. Dr. R Vijayakumar	 Organizer & Resource Person for Faculty development programme for Teachers from 30th July 2015 to 12 th August 2015 as Director, College Development council(DCDC) Attended a one day Workshop on Syllabus Revision of M.Sc and M.Tech of the School on 9.06.2015. Attended a workshop/training session on Spoken Tutorial Project (an initiative of NMEICT, Ministry of Human Resource Development, Govt. of India) on 12.08.2015 Attended a workshop on "Framing of Scheme and Syllabus of M Phil Computer Science" at School of Computer Sciences on 08.09.2015. Attended a seminar on "Image Processing Technologies for Defence Applications" by Dr. Lekshmi S, Scientist, NPOL (also an alumnus of the School), on 4.12.2015. Attended the "NAAC Workshop on Documents to be Prepared" organized by the University on 12.04.2016.
	Dr. Bindu V R	1. User Awareness Programme on Plagiarism on 3/6/2015 for Faculty, Researchers and Students, organized by University Library, Mahatma Gandhi University.



- 2. Workshop on "M Sc and M Tech Syllabus Revision" as Chair Person, BOS, School of Computer Sciences on 9/6/2015.
- 3. Participated in the Consultative Meeting with "Committee on Gender Justices in Campuses" organized by the Kerala State Higher Education Council on 29.07.2015.
- 4. Workshop/training session on Spoken Tutorial Project (an initiative of NMEICT, Ministry of Human Resource Development, Govt. of India) as the chief-coordinator of the University on 12.08.2015
- 5. Workshop on "Framing of Scheme and Syllabus of M Phil Computer Science" as Chair Person, BOS, School of Computer Sciences on 08.09.2015.
- 6. "International Seminar on Science of Music" organized by Inter University Centre for Studies in Science of Music and Mahatma Gandhi University during 25-27 September 2015
- 7. Participated in the conference to streamline the admission and academic excellence on MCA 2016-17 representing the University. The meeting was convened by "Admission Supervisory Committee and Fee Regulatory Committee for Professional Colleges of Kerala" chaired by Justice J S James at Thiruvananthapuram on 27.10.2015.
- 8. 3 day workshop on "Network Simulator 2" (19.11.15 to 21.11.15) as part of Capacity Building and Knowledge Upgradation for faculty members and M Sc/M Tech and Research students of the School.
- 9. Orientation Programme on "NAAC Accreditation" organized by the University on 26.11.2015.
- 10. Seminar on "Image Processing Technologies for Defence Applications" by Dr. Lekshmi S, Scientist, NPOL (also an alumnus of the School), on 4.12.2015.
- 11. As professional member of ACM, attended the ACM-India Annual Event 2016 held on 22.01.2016 at Thiruvananthapuram.
- 12. National level 3-day E-conference 28.01.2016 to 30.01.2016. The School participated as a Nodal Centre in the National Conference on Research in Emerging Areas (NACORE 2016.
- 13. Two-day National Workshop on "India's First Cloud Computing Championship IFC3 INDIA" in collaboration with Neuromancers, IIT Bhubaneswar and Infero, Scitech Counsil IIT Hyderabad from 9.02.16 to 10.02.16.
- 14. Attended the District Innovation Committee meeting held on 23/02/2016 convened by the District Collector, Kottayam.



	15. National Workshop on Cyber Crimes and Cyber laws
	organized by School of Indian Legal Thought, MGU
	during 27 th and 28 th February 2016.
	16. Chaired the programme in connection with the
	commemoration of World Zero Discrimination Day on
	1 st March 2016, conducted by Inter University Centre for
	Disability Studies(IUCDS), School of Behavioral
	Sciences in association with NSS and DSU, M G
	University.
	17. Workshop on "NAAC Accreditation" organized by the
	University on 12.04.2016. 18. Three day National level workshop on "Data Analytics"
	and Machine Learning Using R" June 15-18, 2016.
	19. Workshop on "Cloud Solutions and Implementation" for
	faculty and technical staff of the School on 28.06.2016.
	Workshop on Syllabus Revision of M.Sc and M.Tech of
	the School on 9.06.2015
	2. Workshop/training session on Spoken Tutorial Project
	(an initiative of NMEICT, Ministry of Human Resource
	Development, Govt. of India) on 12.08.2015
	3. Workshop on "Framing of Scheme and Syllabus of M
	Phil Computer Science" at School of Computer Sciences
	on 08.09.2015. The scheme and syllabi for the new M
	Phil programme to be commenced in the School in the
	current academic year was framed.
	4. 3 day workshop on "Network Simulator 2" (19.11.15 to
	21.11.15) organized as part of Capacity Building and
	Knowledge Upgradation of Faculty
	5. Seminar on "Image Processing Technologies for Defence
Ms. Pushpalatha	Applications" by Dr. Lekshmi S, Scientist, NPOL (also
K.P.	an alumnus of the School), on 4.12.2015.
	6. National level 3-day E-conference 28.01.2016 to
	30.01.2016. The School participated as a Nodal Centre in
	the National Conference on Research in Emerging Areas (NACORE 2016.
	7. Two-day National Workshop on "India's First Cloud
	Computing Championship – IFC3 INDIA" in
	collaboration with Neuromancers, IIT Bhubaneswar and
	Infero, Scitech Counsil IIT Hyderabad from 9.02.16 to
	10.02.16.
	8. "NAAC Workshop on Documents to be Prepared"
	organized by the University on 12.04.2016.
	9. Three day National level workshop on "Data Analytics
	and Machine Learning Using R" June 15-18, 2016
	10. Workshop on "Cloud Solutions and Implementation" for
	faculty and technical staff of the School on 28.06.2016.
Dr. Anuj Mohamed	1. One day workshop on syllabus revision of M.Sc and
	M.Tech of the School on 9.06.2015



- 2. Workshop/training session on Spoken Tutorial Project (an initiative of NMEICT, Ministry of Human Resource Development, Govt. of India) on 12.08.2015
- 3. Workshop on "Framing of Scheme and Syllabus of M Phil Computer Science" at School of Computer Sciences on 08.09.2015.
- 4. "International Seminar on Science of Music" organized by International Centre for Studies in Science of Music and Mahatma Gandhi University from 25.9.15 to 27.9.15
- 5. 3 day workshop on "Network Simulator 2" (19.11.15 to 21.11.15) organized as part of Capacity Building and Knowledge Upgradation of Faculty members as well as M Sc/M Tech and Research students of the School.
- 6. Orientation Programme on "NAAC Accreditation" organized by the University on 26.11.2015.
- 7. Seminar on "Image Processing Technologies for Defence Applications" by Dr. Lekshmi S, Scientist, NPOL (also an alumnus of the School), on 4.12.2015.
- 8. As professional member of ACM, attended the ACM-India Annual Event 2016 held on 22.01.2016 at Thiruvananthapuram.
- 9. National level 3-day E-conference 28.01.2016 to 30.01.2016. The School participated as a Nodal Centre in the National Conference on Research in Emerging Areas (NACORE 2016
- 10. Two-day National Workshop on "India's First Cloud Computing Championship IFC3 INDIA" in collaboration with Neuromancers, IIT Bhubaneswar and Infero, Scitech Counsil IIT Hyderabad from 9.02.16 to 10.02.16.
- 11. "NAAC Workshop on Documents to be Prepared" organized by the University on 12.04.2016.
- 12. Three day National level workshop on "Data Analytics and Machine Learning Using R" June 15-18, 2016
- 13. Workshop on "Cloud Solutions and Implementation" for faculty and technical staff of the School on 28.06.2016.

28. Student projects

- percentage of students who have done in-house projects including interdepartmental projects: Nil
- percentage of students doing projects in collaboration with other universities industry / institute: 100%

29. Awards / recognitions received at the national and international level by

• Faculty: Nil

• Doctoral / post-doctoral fellows : Nil

• Students: Nil



30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

Year		Seminars/ Conferences/Workshops	Source of funding	outstanding participants
2010- 11	1	Workshop on "Tour Making", October 18-19, 2010	Mahatma Gandhi University	Mr.Aravind Paranjpye, Officer for Science Popularization, IUCAA, Pune.
	2	Seminar on "Cyber Crimes", December 17, 2010.	Mahatma Gandhi University	Mr. E.S. Bijumon, DYSP, Cyber Cell, Trivandrum,
	3	Workshop on "FOSS and BOSS"	Mahatma Gandhi University	Smt. Saleena H, Senior Technical Officer, CDAC, Trivandrum,
	4	Workshop on "e-Astronomy and Statistics", organized bySchool of Pure and Applied Physics in association with School of Computer Sciences January 17-19, 2011	Scholar in Residence Programme Funded by Government of Kerala	Dr. Ashish Mahabal, Senior Research Scientist, California Institute of Technology (Caltech) USA Dr. Archana Pai, Indian Institute of Science Engineering and Research (IISER), Trivandrum
	5	Seminar on "Best Programming Practices", January 20, 2011.	,,	Dr. Ashish Mahabal, Senior Research Scienist, California Institute of Technology (Caltech) USA, (Erudite Scholar- Mahatma Gandhi University).
	6	National Conference on "Computing and Communication", May 26-27,	Mahatma Gandhi University	Prof. (Dr.) S.K. Sinha, CEDT, Indian Institute of Science, Bangalore.
		2011.		(Dr.) AchuthSankar S. Nair, Director and Sri. Umesh, Assistant Professor, State Inter University Center of Excellence in Bio- Informatics, University of Kerala.
		Workshop on "Teaching Learning Process", 2011.		Prof. (Dr.) R. Vijayakumar, HOD, School of Computer Sciences, Mahatma Gandhi University, Kottayam

Mahatma Gandhi University

	8	Workshop on "MCA Syllabus Revision", 24-25 March 2011.	,,	
	9	Workshop on "MCA Syllabus Revision", 12 May 2011.	٠,	
2011-	1	National level seminar, December 2011.	,,	Ms. Easwari PV, Senior consultant, Siemens Information Systems Limited, Bangalore. (also an alumnus of the School). Dr. Achuth Sankar S Nair, Hon. Director, Centre for Bio-Informatics.
	2	Conference on "Computing Paradigms and Bioinformatics" (CPBI 2012), January, 2012.	,,	Prof. (Dr.) Achuth Sankar S. Nair, Director, State Inter University Center of Excellence in Bio- Informatics, University of Kerala. Prof. (Dr.) Paulose Jacob, HOD, Department of Computer Science, Cochin university of Science and Technology, Kerala.
	3	Seminar on "Computational Intelligence, Robotics and Autonomous Systems" January 3rd, 2012.		Dr. Prahlad Vadakkeppat, National University of Singapore,
2012-	1	Workshop on "Open source software		Dr.Iqbal, former Vice- chancellor of Kerala University.



2013-	2	National level technical talk on "NP Complete Problems and High Performance Computing" Dec, 2012. School was a nodal centre for	Mahatma Gandhi University	Mr. Mahesh, FISAT Dr.MuktaAtrey, Senior
14	1	the One day ISTE e-Workshop on "Creative Teaching", October 5 th 2013 through A-View, an e-learning software. The Seminar was conducted by the Department of Computer Science & Engineering and Computer Applications of AmalJyothi College of Engineering.	ISTE	Project Manager, ProjectEkalavya,IIT Bombay Prof.Dr.Sabu Thomas, School of Chemical Science, MG University, Kottayam
	2	National Seminar on "Computing and Communication" at School of Computer Sciences, December 2013.	Mahatma Gandhi University	Dr. K.P. Soman, Prof. & HOD, Centre for Excellence in Computational Engineering, Amrita VishwaVidyapeetham, Coimbatore Dr. Sumithra S Nair, Indian Institute of Space Science and Technology (ISTE), Thiruvananthapuram Sri. Krishnan Chittoor, S/W Developer, Microsoft India Ltd.
2014-	1	A seminar on "Systems Programming" on 21.07.2014.		Dr Manjaiah, Professor, Dept. of Studies and Research in Computer Science, Mangalore University
	2	Spoken Tutorial project(an initiative of NMEICT, MHRD, Govt. of India) in the University, a training session at School of Computer Science and Engineering/Computer	MHRD, NMEICT	Mr.Swapnil More, Training Coordinator, Spoken Tutorial (MHRD, NMEICT) IIT Bombay.



	Applications/IT institutions under M G University on 27.08.2014.		
3	Seminar on "Research Topics for M Tech Dissertation" on 18.09.2014.	Mahatma Gandhi University	Dr Madhu S Nair, Asst. Professor, Dept. of Computer Science, University of Kerala
4	School was a nodal centre for the National E-seminar "Steps2Research"during 19-20 Sept 2014 through A-View, an e-learning software. The Seminar was conducted by the Department of Computer Science & Engineering and Computer Applications of AmalJyothi College of Engineering.	ISTE	Prof.Dr.D.B. Phatak,IIT Bombay Dr.MuktaAtrey (Senior Project Manager, Project T10KT) Prof.Dr. Kannan Moudgalya, IIT Bombay Mr.Vijayaraghavan(Former CEO Techno Park, Member- State Planning Board Kerala) Dr.Achutsankar S Nair,Centre for Bio Informatics,Trivandrum Dr.SahanaMurthy,IIT Bombay
5	International Seminar on "Talking Like Humans" on 6 th December 2014.	Department Development Fund of the School	Christy Alias, Ph.D Scholar, Trinity College, Dublin, Ireland (also an alumnus of the School)
6	A workshop on 'Training A-view System' by A-View team of Amrita University under the initiative of NMEICT, Ministry of Human Resource Development, Govt. of India, on 23 rd February 2015.	NMEICT, Ministry of Human Resource Development, Govt. of India,	
7	A workshop on 'Scilab' by the Spoken Tutorial Project, on 25/3/2015	National Mission on Education through ICT, MHRD, Govt. of India.	Online through "Talk To A Teacher" project of IIT Bombay



16	Workshop on Syllabus Revision M.Sc./M.Tech, of the School Of Computer Sciences on 09/06/15.	Donastmant	Ms. Easwari PV, Senior
	As part of strengthening the activities of the Placement Cell of the School, a one-day workshop on "Skill Enhancement" was organized for students of the School on 19.08.2015. The event was organized in remembrance of Dr. A.P.J. Abdul Kalam. Two of our alumni, who are well experienced have handled the sessions.	Department Development Fund of the School	consultant, Siemens Information Systems Limited, Bangalore. (also an alumnus of the School) Sreevidya P. Assistant Director, IT Services, EYGSS, GDN India- Cochi Centre
4	National level 3-day E-conference using the virtual class room and video-conferencing facility set up in the School. The School participated as a Nodal Centre in the National Conference on Research in Emerging Areas (NACORE 2016), a National e-conference organized by AmalJyothi College of Engineering and Technology from 28.01.2016to 30.01.2016. Research scholars and M Tech students of the School presented research papers in the conference, which had around 20 nodal centres participating from across the Nation. A workshop on "Framing of Scheme and Syllabus of M Phil Computer Science" at School of Computer Sciences on 8.09.2015.	The event was sponsored by KSCSTE in association with ISTE Kerala Section.	Dr.R M Vasu, Professor, Indian Institute of Science, Bangalore, India. Dr.Debashish Roy, Professor, Computational Mechanics Lab, Indian Institute of Science, Bangalore, India Mr.Sreekanth R Iyer, Cloud Security Architect (CTO's Office), IBM Cloud, IBM Master Inventor, Member - IBM Academy of Technology, Open Group CertifiedDistinguished Architect. "Dr.VinodBhattathiripad, Cyber Forensic Consultant



	5	A 3 day workshop on "Network Simulator 2", 19.11.15 to 21.11.15	Mahatma Gandhi University	Mr. Pankaj Kumar G., System Analyst, FISAT.
	6	Seminar on "Image Processing Technologies for Defence Applications" on 4.12.2015.	,,	Dr.Lekshmi S, Scientist, NPOL (also an alumnus of the School)
	7	Two-day National Workshop on "India's First Cloud Computing Championship – IFC3 INDIA" in collaboration with Neuromancers, IIT Bhubaneswar and Infero, Scitech Counsil IIT Hyderabad from 9.02.16 to 10.02.16.	Department Development Fund of the School	Mr. Himanshu Dogra, Cloud Trainer cum Consultant AICRAD.
2016- 17	1	A workshop on "Cloud Solutions and Implementation" for faculty and technical staff of the School on 28.06.2016	Mahatma Gandhi University	Mr.Saneesh Kaniyath, Sr. Technical Consultant, Smartsoft, Cochin.
	2	Three day National level workshop on "Data Analytics and Machine Learning Using R" June 15-18, 2016 as part of Capacity Building and Knowledge Upgradation for faculty members and M Sc/M Tech/M Phil and Research students of the School, in collaboration with Scientific Computing Solutions, Chennai.	Mahatma Gandhi University	Dr. Mahesh Anand, Founder and CTO, Scientific Computing Solutions (SCS-India)
	3	Seminar on "Remoteness Function on Median Graphs", 2 nd Dec 2016,	Mahatma Gandhi University	Dr. Ajitha R. S., Post Doctoral Fellow, University of Kerala. (also an alumnus of the School)



31. Code of ethics for research followed by the departments: publications and thesis are subjected to plagiarism analysis. Uses only licensed versions of software/tools for research purpose. Provides healthy environment to foster ethical research.

32. Student profile programme-wise:

Name of the	Applications	Se	lected	Pass pe	Pass percentage	
Programme (refer to question no. 4)	received	Male	Female	Male	Female	
M.Sc 2011-13 Batch	81	4	19	100%	100%	
M.Sc 2012-14 Batch	121	10	15	100%	100%	
M.Sc 2013-15	139	5	20	90%	100%	
M.Sc 2014-16	397	12	13	-	-	
M.Sc 2015-17	253	5	16	-	-	
M.Tech 2012-14	55	5	13	100%	100%	
M.Tech 2013-15	54	4	14	100%	100%	
M.Tech 2014-16	27	4	14	-	-	
M.Tech 2015-17	21	1	14	-	-	
MPhil 2015-16	37	1	5	-	-	
Ph.D 2011		2	4			
Ph.D 2012		0	2			
Ph.D 2013		3	1			
Ph.D 2014		9	6			
Ph.D 2015		1	3			

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc 2011-13 Batch	100%	-	-	-
M.Sc 2012-14 Batch	84%	12%	-	4%
M.Sc 2013-15	88%	8%	-	4%



M.Sc 2014-16	68%	24%	_	8%
M.Sc 2015-17	92%	8%	_	_
M.Tech 2012-14	67%	33%	_	_
M.Tech 2013-15	63%	37%	_	_
M.Tech 2014-16	65%	29%	6%	_
M.Tech 2015-17	53%	40%	7%	_
MPhil 2015-16	100%	-	-	-
Ph.D 2011	-	40%	60%	-
Ph.D 2012	50%	-	50%	-
Ph.D 2013	-	25%	75%	-
Ph.D 2014	6%	13%	81%	-
Ph.D 2015	-	-	100%	

- 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.
 - **Defense Services examinations** Manu Gopal
 - GATE-9 M.Tech (2012-14 Batch) students, 3 M.Tech (2013-15 Batch) students
 - Civil Services— Rema Rajeswari R. IPS(1999-2001Batch).

Rema Rajeshwari is a 2009 batch Regular Recruit (RR) of the Indian Police Service who got trained at the National Police Academy, Hyderabad, India and was inducted into the IPS on 30 August 2009.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil. PG to M.Tech.	6% 1%
PG to Ph.D.	2%
Ph.D. to Post-Doctoral	



Employed	
Campus selection	10%
Other than campus recruitment	75%
Entrepreneurs	1%

36. Diversity of staff

Percentage of faculty who are graduates		
of the same university	0	
from other universities within the State	50	
from universities from other States from	50	
universities outside the country	0	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Ph.D.-2

Name of the faculty	Details
Bindu V.R.	Ph.D.
Anuj Mohamed	Ph.D.

38. Present details of departmental infrastructural facilities with regard to

Library: The Library of the school has a vision to inspire technological exploration, inculcate research aspiration and backup the academic community to attain the goals having been set. The library uses various tools for providing information to the user community. We stand out with good collection of academic as well as research-oriented books of high reference value. To cater to the increasing amount information needs of the students, research scholars in particular, we have made available online journals from IEEE with high impact factor. Apart from the IEEE database, we have access to *e-shodhsindhu* being provided by INFLIBNET Centre. Our library has been automated with much acclaimed open source software Koha. We have dedicated machines with high speed internet connection for searching e-resources and OPAC. The resources of our library have been made available online by being a part of the union catalogue in collaboration with the university central library. We utilize the budgetary allocation prudently with a view to keeping pace with the rapid advancement in our area of specializations.

- Internet facilities for staff and students: Campus Wide Network of the University.
- Total number of class rooms : 6
 Class rooms with ICT facility : 2



Students' laboratories : 2Research laboratories : 1

39. List of doctoral, post-doctoral students and Research Associates

• from the host institution/university –

Name of Guide	Name of Doctoral student	Post Doctoral
Dr. G. Raju	Reshmi K R	
Dr. R. Vijayakumar	Jobin Varghese	Nil
Dr. Gladston Raj	Rahul Shajan	

• from other institutions/universities – the remaining 26 are from other Universities

40. Number of post graduate students getting financial assistance from the university.

Aspire Scholarship for the final project.

Number of M.Sc Students (2010-2012) -2

Number of M.Sc Students (2011-2013) -9

Number of M.Sc Students (2012-2014) -20

Number of M.Tech Students (2012-14 Batch) -14

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Before commencing MPhil in Computer Science, an informal need assessment was undertaken. It was observed that MPhil in Computer Science was offered only in Kannur University, in the state. This indicated the requirements of trained manpower in the field of Computer science

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. The feedback is used for curriculum revision. All faculty members participate in curriculum revision being members of BOS of school.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Students' feedbacks are regularly collected and analysed by faculty members and are effectively used for improving the teaching-learning process.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Feedbacks from the various stakeholders are used in the regular updation of syllabi and up to date choice of electives, meeting the demands of the academia and industry.



43. List the distinguished alumni of the department (maximum 10)

Sl. No	Name	Address	e-mail/ Phone number	M Sc Batch
1	Santhosh Pillai	Technical Program Manager, Microsoft, USA	https://www.linkedin.co m/in/sanpil	1993-1995
2	Sunil Chakkappen	Consulting Member of Technical Staff, Oracle, San Francisco Bay Area, USA	https://www.linkedin.co m/pub/sunil- chakkappen/3/a16/588	1993-1995
3	Suresh Babu	Director R&D Engineering VM Ware Bangalore	+91 8041140439	1994-96
4	Dr.Ajitha R S	UGC Research Awardee (Post Doctoral), Assistant Professor, Dept. Of Computer Application, NSS College, Rajakumary.	ajithars@gmail.com	1994-96
5	Dr Lekshmi S	Scientist E Naval Physical and Oceanographic Laboratory DRDO Ministry of Defense Thrikkakara Kochi	lekshmis 23@yahoo.co <u>m</u>	1995-97
6	Easwari P.V.	Architect and Software Consultant, Siemens Technology and Services, Bangalore, INDIA.	easwari@gmail.com +91 9972622775	1995-1997
7	Jeesmon Jacob	Senior Software Engineer, eBay Inc, USA	jeesmon@gmail.com	1996-98
8	Rema Rajeshwarti I.P.S.	Deputy Commissioner Of Police, Malkajgiri zone, Cyberabad (Hyd), Head-Cyb SHE TEAMS Malkajgiri Hyderabad	dcp_alwal@cyb.tspolice .gov.in 9490617203 08418-232336 (office)	1999-2001
9	Vipin Das R	Senior Project Manager, Infosys Ltd. Trivandrum	Vipindas.r@gmail.com 8547765951	1999 – 2001
10	Vipins Gopinath	Senior Software Design Engineer, Microsoft, USA	https://www.linkedin.co m/pub/vipins- gopinadhan/8/617/b6a vipinspg@hotmail.com	2000-2002



44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Period	Conferences, Seminars , Workshops
2010-11	1. Workshop on "Tour Making" , Mr. Aravind Paranjpye, Officer for Science Popularization, IUCAA, Pune, October 18-19, 2010.
	2. Seminar on "Cyber Crimes", Mr. E.S. Bijumon, DYSP, Cyber Cell, Trivandrum, December 17, 2010.
	3. Workshop on "FOSS and BOSS", Smt. Saleena H, Senior Technical Officer, CDAC, Trivandrum, December 17, 2010.
	4. Workshop on "e-Astronomy and Statistics", organized by School of Pure and Applied Physics in association with School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January 17-19, 2011 with the following resource persons
	Dr. Ashish Mahabal, Senior Research Scientist, California Institute of Technology (Caltech) USA
	Dr. Archana Pai, Indian Institute of Science Engineering and Research (IISER), Trivandrum
	Dr. Ninan S Philip, Professor, St. Thomas College, Kozhencherry, Kerala
	5. Seminar on "Best Programming Practices", Dr. Ashish Mahabal, Senior Research Scientist, California Institute of Technology (Caltech) USA, (Erudite Scholar- Mahatma Gandhi University), January 20, 2011.
	6. National Conference on "Computing and Communication (NCCC 2011)", School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, May 26-27, 2011.
	Technical Talks Included:
	• "A Brief History of Computing" by Prof. (Dr.) S.K. Sinha, CEDT, Indian Institute of Science, Bangalore.
	• "KERA- A New Language for Synthetic Biology" by Prof. (Dr.) AchuthSankar S. Nair, Director and Sri. Umesh, Assistant Professor, State Inter University Center of Excellence in Bio-Informatics, University of Kerala.
	"Machine to Machine Communication" by Prof. (Dr.) K.S. Mohanachandra Panicker, Dean (Planning & Research),



	7. Workshop on "Teaching Learning Process", by Prof. (Dr.) R.					
	Vijayakumar, HOD, School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, 2011.					
	8. Workshop on "Computer Networking Leading to CCNA Certification", March 16, 2011.					
2011-12	1. National level seminar by Ms. Easwari PV, Senior consultant, Siemens Information Systems Limited, Bangalore, Dr. Achuth Sankar S Nair, Hon. Director, Centre for Bio-Informatics, Dr. K S M Panicker, Dean, FISAT in December 2011.					
	2. Conference on "Computing Paradigms and Bio-informatics" (CPBI 2012), School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January, 2012.					
	Talks Included:					
	i. "Computing in New Biology" by Prof. (Dr.) AchuthSankar S. Nair, Director, State Inter University Center of Excellence in Bio-Informatics, University of Kerala.					
	ii. "High Performance Computing Paradigms" by Mahesh C., FISAT, Angamaly.					
	iii. "Bio-Informatic Approach for Structure Function Analysis Polyketide Synthases: Lessons", Dr.Radhakrishnan E K, School of Bio Science, Mahatma Gandhi University.					
	iv. "Cloud Computing" by Prof. (Dr.) Paulose Jacob, HOD, Department of Computer Science, Cochin university of Science and Technology, Kerala.					
	3. Seminar on "Computational Intelligence, Robotics and Autonomous Systems" by Dr. Prahlad Vadakkeppat, National University of Singapore, January 3rd, 2012.					
2012-13	1. Workshop on " Open source software " was organized by the School during 2012, inaugurated by Dr.Iqbal, former Vice-chancellor of Kerala University.					
	2. National level technical talk on "NP Complete Problems and High Performance Computing" as part of Interface2012 in Dec, 2012.					
2013-14	1. School was a nodal centre for the One day ISTE e-Workshop on "Creative Teaching" , October 5th 2013 through A-View, an e-learning software. The Seminar was conducted by the Department of Computer Science & Engineering and Computer Applications of Amal Jyothi College of Engineering.					



Technical Talks Included:

- ➤ **KeyNote Address by Dr.Mukta Atrey**, Senior Project Manager, Project Ekalavya, IIT Bombay
- ➤ Effective Teaching & Adaptive Learning by Rev.Dr.Jose Kannampuzha Principal, Amal Jyothi College of Engineering, Kanjirappally
- ➤ Teacher Research lead to learning by Prof. Dr. Sabu Thomas, School of Chemical Science, MG University, Kottayam
- ➤ Know your students— Teacher student relations by Rev. Dr.Tomy Tharayil, (Director, Danahalaya, Punnapra)
- ➤ Communication skills and career oriented tools for teachers- by Mr.Abraham Kurien IPS (former DGP, Govt. of UP, Member, Civil Service Interview Board of the UPSC).
- 2. National Seminar on "Computing and Communication" at School of Computer Sciences, December 2013.

Technical Talks Included:

- i. Computing in Malayalam for Malayalam using Visual Programming Language- by Dr. K.P. Soman, Prof. & HOD, Centre for Excellence in Computational Engineering, Amrita Vishwa Vidyapeetham, Coimbatore
- **ii. Algorithm for Mining the Web and the Database-** by Dr.Sumithra S Nair, Indian Institute of Space Science and Technology (ISTE), Thiruvananthapuram
- **iii. Context Centered Communication-** by Sri. C.K. Subramania Prasad, Retd. Prof & HOD, Dept. Of Civil Engineering, NSS College, Palakkad
- **iv. Latest Trends in Software Engineering-** by Sri. Krishnan Chittoor, S/W Developer, Microsoft India Ltd.

2014-15

- 1. A seminar by Dr Manjaiah, Professor, Dept. of Studies and Research in Computer Science, Mangalore University on "**Systems Programming**" on 21.07.2014.
- 2. Spoken Tutorial project(an initiative of NMEICT, MHRD, Govt. of India) in the University, a training session at School of Computer Science and Engineering/Computer Applications/IT institutions under M G University on 27.08.2014. **Mr.Swapnil More**, Training Coordinator, Spoken Tutorial (MHRD, NMEICT) IIT Bombay.
- 3. Seminar on "Research Topics for M Tech Dissertation" at School of Computer Sciences by Dr Madhu S Nair, Asst. Professor, Dept. of Computer Science, University of Kerala on 18.09.2014.



- 4. School was a nodal centre for the National E-seminar "Steps2Research" during 19-20 Sept 2014 through A-View, an e-learning software. The Seminar was conducted by the Department of Computer Science & Engineering and Computer Applications of Amal Jyothi College of Engineering. The seminar was enriched by scholarly talks by the various personalities such as
 - "The research mind set" Prof. Dr. D.B. Phatak, IIT Bombay
 - "NMEICT activities and T10KT project in IIT B" Dr.Mukta Atrey (Senior Project Manager, Project T10KT)
 - "Introductions to Research" Rev. Dr. Jose Kannampuzha, Principal, Amal Jyothi College of Engg
 - "Research issues in Massive IT literacy drive in India" Prof.Dr. Kannan Moudgalya, IIT Bombay
 - "Engineering Research, Incubation and Technology Transfer The Technopark Story" by Mr.Vijayaraghavan (Former CEO Techno Park, Member- State Planning Board Kerala)
 - "Management of Research Process: Philosophy & Practical Tips" Dr. Achutsankar S Nair, Centre for Bio Informatics, Trivandrum
 - "The process of Action Research" Dr.Sahana Murthy, IIT Bombay
 - "How to write research proposals, funding agencies, filing patents" Dr.Soney C. George.
 - "How to write thesis" Dr. Jacob Philip,(Director STIC,CUSAT)
- 5. International Seminar on "**Talking Like Humans**" by Christy Alias, Ph.D Scholar, Trinity College, Dublin, Ireland on 6th December 2014.
- 6. A workshop on '**Training A-view System'** by A-View team of Amrita University under the initiative of NMEICT, Ministry of Human Resource Development, Govt. of India, on 23rd February 2015.
- 7. A workshop on 'Scilab' by the Spoken Tutorial Project, through "Talk To A Teacher" project of IIT Bombay on 25/3/2015, funded by National Mission on Education through ICT, MHRD, Govt. of India.

2015-16

- 1. As part of strengthening the activities of the Placement Cell of the School, a one-day workshop on "Skill Enhancement" was organized for students of the School on 19.08.2015. The event was organized in remembrance of Dr. A.P.J. Abdul Kalam. Two of our alumni, who are well experienced have handled the sessions on "Principles and Practices for a Good Professional and Personal Life" and "How to Face an Interview".
- 2. National level 3-day E-conference using the virtual class room and video-conferencing facility set up in the School. The School participated as a Nodal Centre in the National Conference on Research in Emerging Areas (NACORE 2016), a National e-conference organized by Amal Jyothi College of Engineering and Technology from 28.01.2016to 30.01.2016. The event was sponsored by KSCSTE in association with ISTE Kerala Section.



Research scholars and M Tech students of the School presented research papers in the conference, which had around 20 nodal centres participating from across the Nation.

Key note sessions were

- "Photo-acoustic tomography and applications" by Dr.R M Vasu, Professor, Indian Institute of Science, Bangalore, India.
- "A stochastically evolving non-local search for global optimization" by Dr. Debashish Roy, Professor, Computational Mechanics Lab, Indian Institute of Science, Bangalore, India
- "Cloud Security and its Opportunities" by Mr.Sreekanth R Iyer, Cloud Security Architect (CTO's Office), IBM Cloud, IBM Master Inventor, Member IBM Academy of Technology, Open Group Certified Distinguished Architect.
- "Cyber Crimes", Dr. Vinod Bhattathiripad, Cyber Forensic Consutant
- "NoSQL Exploitation Framework" Francis Alexander, Information Security Researcher
- 3. A 3 day workshop on "Network Simulator 2" (19.11.15 to 21.11.15) for faculty members as well as M Sc/M Tech and Research students of the School.
- 4. Seminar on "Image Processing Technologies for Defence Applications" by Dr. Lekshmi S, Scientist, NPOL (also an alumnus of the School), on 4.12.2015.
- 5. Two-day National Workshop on "India's First Cloud Computing Championship IFC3 INDIA" in collaboration with Neuromancers, IIT Bhubaneswar and Infero, Scitech Counsil IIT Hyderabad from 9.02.16 to 10.02.16. Our School served as a zonal centre. Students from affiliated institutions also participated. Three delegates were selected for the National level competition.

2016-17

- 1. Three day National level workshop on "Data Analytics and Machine Learning Using R" June 15-18, 2016 as part of Capacity Building and Knowledge Upgradation for faculty members and M Sc/M Tech/M Phil and Research students of the School, in collaboration with Scientific Computing Solutions, Chennai.
- 2. Seminar on "**Remoteness Function on Median Graphs**", 2nd Dec 2016, by Dr. Ajitha R. S., Post Doctoral Fellow, University of Kerala.

45. List the teaching methods adopted by the faculty for different programmes.

1. M.Sc- ICT enabled Lectures, tutorials, practicals, individual/group written/practical assignments, case studies, mini projects, Seminars, Webinars, Major project and dissertation.



- 2. M Tech ICT enabled Lectures, tutorials, practicals, individual/group written/practical assignments, case studies, mini projects, Industrial Visits, Seminars, Webinars, Major project and dissertation.
- 3. M Phil ICT enabled Lectures, tutorials, discussions, literature reviews, practicals, individual written/practical assignments, case studies, mini projects, Seminars, Webinars, Major dissertation.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Through feedbacks from

- Employers, External Examiners, External Project Guides
- The performance of the students in the continuous assessments and evaluations and the final examinations.

47. Highlight the participation of students and faculty in extension activities.

The school plays a key role in integrating the benefits of Open Source Software/Tools in the university's educational process through the Spoken Tutorial Project. Head of the Department being the Chief Co-ordinator of the Spoken Tutorial Project undertakes the implementation of the project in the University.

The University has entered into partnership with the Spoken Tutorial Project Team of IIT Bombay. An MoU was signed on 27.08.2014.

The Spoken Tutorial Project is an initiative of the National Mission on Education through ICT, Ministry of Human Resource Development, Government of India. The objective is to conduct Software Training Workshops on FOSS (Free & Open Source Software), absolutely Free of Cost, with the aid of Spoken Tutorials.

As an initial step towards implementing the Spoken Tutorial project in M G University, two training sessions were organized for the faculty members from the departments of Computer Science and Engineering/Computer Applications/IT and Arts and Science departments of the various institutions under M G University. IIT Bombay Spoken Tutorial Team conducted these Faculty Development and Training Programmes. The aim of these training sessions was to spread the awareness of Spoken Tutorial Project among the faculty members of colleges under MG University.

Now all the participating affiliated institutions have registered faculty coordinators and are giving Software Training Workshops to students on **FOSS** (Free & Open Source Software), absolutely **Free of Cost**, with the aid of Spoken Tutorials.

• The School has been organizing an annual technical meet "Interface" since 1996 and publishing an annual technical publication "IT Glimpse" since 1999. The three days programme is completely organized by the students with ample support and guidance from alumni and faculty members. The event aims at bringing together computer science students from various universities and institutions and to provide a common



platform to share their talents by means of a series of technically challenging competitions like Paper Presentations, Technical Quiz, Programming, N/W gaming, Troubleshooting and so on.

Organizing an event like this enhances the soft skills of our students like organizing capacity, peer group management skills, communication skill etc. in addition to enriching their technical/academic knowledge.

 Orphanage visit – The students, staff and faculty members use to visit a rehabilitation centre near Medical College, Kottayam, spend a day with the inmates, majority of whom are mentally and physically challenged, as part of New Year celebrations and provide a modest financial help.

48. Give details of "beyond syllabus scholarly activities" of the department.

• The School has been organizing an annual technical meet "Interface" for the last 20 years and publishing an annual technical publication "IT Glimpse" for the last 17 years. The two days programme aims at bringing together computer science students from various universities and institutions and to provide a common platform to share their talents by means of a series of technically challenging competitions like Paper Presentations, Technical Quiz, Programming, N/W gaming, Troubleshooting and so on. Organizing an event like this enhances the soft skills of our students like organizing capacity, peer group management skills, communication skill etc. in addition to enriching their technical/academic knowledge.

Steps Taken for upgradation of employment opportunities of students under Additional Skill Acquisition Programmes.

- The School provides short add on courses on different scientific and computational tools to students through the Spoken Tutorial Project, an initiative of NMEICT, MHRD, Govt. of India.
- A series of workshops and seminars have been initiated for "Skill Enhancement" (*SPARK*) for students of the School, as part of strengthening the activities of the Placement Cell of the School. The events organized in a regular manner are coordinated by one of the faculty members with the help of student co-ordinators.
- As part of strengthening the activities of the Placement Cell of the School, a one-day workshop on "Skill Enhancement" was organized for students of the School on 19th August 2015. The event was organized in remembrance of Dr. A.P.J. Abdul Kalam. Two of our alumni, who are well-experienced have handled the sessions on "Principles and Practices for a Good Professional and Personal Life" and "How to Face an Interview".



49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Research output in frontier areas (Publications, Book Chapters, Books)
- Major student Projects of M Sc/M Tech of social relevance

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Dedicated team of faculty working together with a vision to mould technically competent and socially committed computer science professionals for nation building.
- A well supportive team of competent technical and non-teaching staff.
- Up-to-date curriculum and sufficient infrastructure facilities including a well equipped library and laboratories.
- Conducive environment for teaching, learning and research activities.
- Relentless support from the resourceful alumni.

Weaknesses:

- Dearth of permanent faculty.
- Lack of sufficient number of technical staff.
- Procedural delay in the traditional system for achieving the targets set up by the department.
- Lack of sufficient training opportunities for faculty members to keep abreast of the rapid changes in the subject.

Opportunities:

- Good opportunity for active research in frontier areas of Computer Science.
- Increasing demand for well trained IT professionals in various sectors.
- Research and development can be enhanced through sponsored projects.
- Scope for interdisciplinary research and project.
- Linkages with industry leading to more opportunities for students and researchers.

Challenges:

- Attracting talented students with research orientation.
- Moulding/training the students in tune with the rapid developments occurring in the subject area.
- Attracting students with geographical diversity.
- Active collaboration with the industry.
- Inadequate supercomputing facilities.

52. Future plans of the department.

1. Enhance the overall research output. Initiatives were taken to set up a High Performance Computing facility in the School utilizing the funding of DST-PURSE scheme. The School has plans to strengthen research in big data analytics contributing



- to various data intensive scientific computational requirements using high performance computing.
- 2. Strengthen the collaboration with Industry/R&D Organizations and undertake research projects of external funding agencies.
- 3. Enhance student support activities by collaborating as a nodal department with the Business Incubation and Innovation Centre (BIIC), Mahatma Gandhi University, established in 2016 with the seed capital donated by the Government of Kerala, aspiring to support innovations/incubations/entrepreneurship by extending academic and financial support to students through R&D support, start-up grants, patent facilitation and entrepreneurship support.
- 4. Enhance the infrastructure by setting up a specialized Research Lab with Private Cloud. It has also been planned to migrate the digital repository of Workshops, seminars, Ph.D open defences and other e-learning contents to it.
- 5. Provide software development solutions and consultancy services to the society. The School has submitted a proposal for setting up Digital Solutions and Consultancy Services (DSACS). This initiative also aims at providing industry level working experience and exposure to students who pass out from the School.
- 6. Conduct more Capacity Building and Knowledge Upgradation programmes for faculty members and students of the School.
- 7. Enhance activities of the placement cell by continuing the practice of conducting skill development programmes and remedial programmes in a regular manner.



SCHOOL OF ENVIRONMENTAL SCIENCES

1.	Name of the Department	:	School of Environmental Sciences
2.	Year of establishment	:	1995 (Statutory status from 2000 onwards)
3.	Is the Department part of a		Yes,
	School/Faculty of the	:	Faculty of Environmental and Atmospheric
	University?		Science
4.	Names of Programmes offered		M.Sc Environment Science and Management
	(UG, PG, M Phil, Ph.D.,		M.Sc Environment Science and Disaster
	Integrated Masters;	:	Management
	Integrated Ph.D., DSc.,		 M.Phil Environment Management Ph.D in Environmental Science
	D.Litt., etc)		- I II.D III DIIVITOIIIIICII(ai Defence
5.	Interdisciplinary programmes	:	The School of Environmental Sciences offers two
	and departments involved		interdisciplinary PG programmes and one M.Phil programme as given below, 1. M.Sc Environment Science and Management 2. M.Sc Environment Science and Disaster Management 3. M.Phil Environment Management Apart from this, the School also offers a Post graduate diploma in Remote Sensing and GIS (This is offered for UG/PG students from all science disciplines from other institution also). The School also have faculties with expertise from various subjects. One Professor in Chemistry, one Associate Professor in Environmental Biotechnology and two Assistant Professors in Environmental Science. Guest faculties are also from different disciplines like environmental economics, microbiology, environmental law, and statistics.
6.	Courses in collaboration with	:	Nil
	other universities, industries,		1 (11
	foreign institutions, etc		
7.	Details of programmes discontinued, if any, with reasons	:	Nil



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8.	Examination System Annual/Semester/Trimester/Choice	:	Semester (Choice Based Credit System)			edit System)
	Based Credit System					
9.	Participation of the department					
	in the courses offered by other departments	:	Two Open courses (4 credits)			4 credits)
10.	Number of teaching posts, sanctioned, filled and actual			Sanctioned	Filled	Actual (including CAS & MPS)
	(Professors/Associate		Professor	1	1	-
	Professors/Asst.		Associate Professors	2	1	-
	Professors/others)		Asst. Professors	2	2	-
			Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 6 Years
Dr. C.T.	M.Sc.,	Professor	Environment	23	Ph.D: 8
Aravindakumar	Ph.D.		Chemistry		M.Phil: 6
Dr. E.V.	M.Tech., Ph.D.	Associate	Environment	16	Ph.D: 5
Ramasamy		Professor	Biotechnology		M.Phil:10
Dr. Mahesh	M.Sc.,	Assistant	Environment	61/2	M.Phil: 7
Mohan	Ph.D.	Professor	Science		
Dr. Sylas V.P.	M.Sc.,	Assistant	Environment	51/2	M.Phil: 9
	Ph.D.	Professor	Science		



12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Sl.No	Name	Visiting Fellows/Adjunct faculty/ Emeritus professors	Specialization
1.	Prof.(Dr.) A.P. Thomas	Visiting Fellow	Environmental Biology
2.	Dr. TV MuraleeVallabhan	Visiting Fellow	Environmental Economics
3.	Dr. Ramesh B Nair	Visiting Fellow	Statistics
4.	Mr.Somanathan	Visiting Fellow	Environmental Law

13. Percentage of classes taken by temporary faculty – programme-wise information:

Programme	(2010 to 16)
M.Sc Environment Science and Management	37 %
M.Sc Environment Science and Disaster Management	30%
M.Phil Environment Management	20%

14. Programme-wise Student Teacher Ratio:

Programme	Student Teacher Ratio
M.Sc Environment Science and Management	3:1
M.Sc Environment Science and Disaster Management	3:1
M.Phil Environment Management	2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Support staff	Sanctioned	Filled & Actual
Technical	2	2
Administrative	5	5



16. Research thrust areas as recognized by major funding agencies:

- Emerging Contaminants
- Environmental Pollution
- Climate change
- Bioremediation
- Wetland ecology
- Solid waste management and anaerobic wastewater treatment
- Polar Environment Research
- Biodiversity and vegetation analysis
- Microbial and phyto-bioremediation
- Disaster Management
- Hydrogeology and river basin analysis
- Environmental stress
- Remote sensing and GIS application
- Ethnobotany, Ethnoecology and tribal studies
- Advanced oxidation processes
- Radiation studies
- Sediment geochemistry

17. Number of faculty with ongoing projects from a) National b) international funding agencies and c) Total grants received.

a) National

Sl. No.	Project Title	Period	Funding agencies	Total Fund in lakhs (₹)
1.	National Vegetation Carbon Pool – Kerala Region	2011-2013	ISRO	4.5
2.	Mercury geochemistry in agricultural wetland ecosystem	2012-2015	DST-SERB	25.87
3.	Mercury pollution in the sediments of Vembanad Wetland: a chronological approach	2012-2016	UGC	2.85
4.	Chemical transformation and bioaccumulation of Mercury in the Vembanad wetland ecosystem	2008-2012	MoES	65
5.	Accumulation of Mercury and Cadmium in Benthic Food Web of Cochin Estuary - a Stable Isotope Approach	2012-2015	KSCSTE, Govt. of Kerala	10.85
6.	Minor Project :Impact of Climate Change on the Mercury Geochemistry in a Tropical Wetland Ecosystem	2012	DoECC, Govt. of Kerala	0.38
7.	Minor Project :Geochemistry of selected heavy metals in Kuttanad agricultural wetland ecosystem	2013	DoECC, Govt. of Kerala	0.58



8.	Evolution of Karamana river basin and its implications on hydrogeology: A geomatics approach using morphometric analysis	2013-2016	KSCSTE- BTL, Govt. of Kerala	15.96
9.	Perchlorate contamination of drinking water resources in Kerala	2016-2019	KSCSTE, Govt. of Kerala	22.5
10.	Pulse radiolysis of biomolecules	2010-2012	Indo- French ARCUS Project	25
11.	Radiation and photochemical studies of chitosan modified polycyclicaromatic hydrocarbons (Environmental Pollutants)	2009-2012	BRNS	15
12.	Sonochemical degradation of organic water pollutants	2012-2015	KSCSTE	14.2
13.	An investigation on the potential microalgal species for the production of biodiesel from Kuttanad wetland ecosystem, Kerala.	2012-2015	UGC	5.49
14.	Nationwide Environmental Gamma Radiation Monitoring Using TLDs	2014-2016	BRNS	10
15.	Phytoremediation of Wastewater Contaminated With Heavy Metals using Constructed Wetlands and Nutrient Film Technique (NFT)	2012	DOECC, Govt. of Kerala	0.5
16.	Household consumption pattern of selected resources in Ernakulam and Kottayam districts - A comparative assessment	2012	DOECC, Govt. of Kerala	0.35
17.	Recovery of Energy and Manure from solid waste: a step towards mitigation of Climate Change	2012	DOECC, Govt. of Kerala	0.6
18.	Carbon sequestration potential of selected Earthworm species	2013	DOECC, Govt. of Kerala	0.6
19.	Estimation of Greenhouse Gas Emission from Wetlands and Paddy fields	2013	DOECC, Govt. of Kerala	0.6
20.	Greenhouse Gas Emission from septic tanks : a preliminary assessment	2013	DOECC, Govt. of Kerala	0.6
21.	Enzymatic saccharification of water hyacinth for the production of Bioethanol: An utilization approach for the control	2013	DOECC, Govt. of Kerala	0.6
22.	Rhizosphere remediation of agro pollutants; An investigation from Kuttanad wetland ecosystem, Kerala	2013	DOECC, Govt. of Kerala	0.6



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23.	Mercury Geochemistry in the	2013-2015	ESSO-	Logistic
	Sediments of Kongsfjorden,		NCAOR,	support
	Ny-Alesund, Arctic		MoES	
	Total grants received			₹222.63
	_			Lakhs

b) International: Nil

c) Total grants received: ₹ 222.63 Lakhs

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

Sl. No.	Project	Agency	Duration	Total Fund in Lakhs (₹)
1.	National Vegetation Carbon Pool – Kerala Region	IIRS, ISRO	2011-2013	4.5
2	Nationwide Environmental Gamma Radiation Monitoring Using TLDs (A National Mission programme)	BRNS	2014-2016	10
3	Investigation of the spatial distribution of uranium and associated water quality parameters in five central districts of Kerala	BRNS	2015 onwards	22.92
4	Long - Term Monitoring of Kongsfjorden System of Arctic region for climate change studies	ESSO- NCAOR, MoES	2015-2016	Logistic support
5	Long Term Environmental Monitoring of Fjord Ecosystems, Ny-Ålesund (Arctic)	ESSO- NCAOR, MoES	2016-2017	Logistic support
	Total grant received			37.42



b) International collaboration

Sl. No	Project Title	Period	Funding agencies	Total Fund in lakhs (₹)
	Development of Self contained, PV powered domestic toilet and waste water treatment system.	2014-2015	California Institute of Technology, USA	11.40
2	Microbial Fuel Cells	2014	University of West of England (UWE), Bristol, UK	Nil.
	An Interdisciplinary and Community Oriented Innovative Approach Towards Sustainable Development	2012-2015	UGC / Obama-Singh 21 st century knowledge initiative/ with Brown University, Duke University and Plymouth State University	62.50
4	Pulse radiolysis of biomolecules	2010-2012	Indo-French ARCUS Project	25.00
	Total Grant			98.9

Total grants received: ₹ 136.32 Lakhs

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.;

Sl. No.	Title of the project	Funding Agency	Duration	Grant Received in Lakhs (₹)
1.	To strengthen the post-graduate teaching and research facilities in the Environmental Chemistry area	DST	2012-2017	85.00
2.	Investigation of the intermediates and final products of chemical and biological treatment of contaminated water and solid wastes	KSCSTE- SARD, Govt. of Kerala	2012-2014	29.00
3.	Infrastructure development for science departments	DST- PURSE	2012-16	225.00
4.	Infrastructure development	DoECC	2012	5.00

Total grants received: ₹ 334 Lakhs



20. Research facility / centre with National recognition

- o State Recognition: Yes,
 - Kerala State Pollution Control Board.
- o National Recognition: Yes
 - Nationally recognised institution for the monitoring of gamma radiation, Vegetation Carbon pool and Sediment Geochemistry analysis of Arctic ecosystem by the Indian Arctic expedition programme. The School also recognised by the DST - FIST, DST PURSE programme.
- o International recognition: Yes
 - CALTECH, USA entrusted the School of Environmental Sciences for conducting the field trial on the "Self-contained, PV powered domestic toilet and waste water treatment system". One year field trial by operating and managing the system within MGU campus was completed successfully.
 - UGC / Obama programme

21. Special research laboratories sponsored by / created by industry or corporate bodies:

Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	151
2.	Monographs	Nil
3.	Conference Proceedings	193
4.	Chapters in Books	4
5.	Edited Books	0
6.	Books authored with ISBN	1
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	0
9.	Total	349



Number listed in International Database (For e.g. Web of Science, Scopus, Cross-Ref, SCIMAGO, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Citation Index – range / average:
SNIP : Average : 1.215
SJR : 0.885
Impact Factor –average : 2.655
h-index : 6-19

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated:

Environmental Pollution analysis for agencies, institutes, R&D departments, and Students

Income generated: ₹ 5.62 Lakhs

25. Faculty selected nationally / internationally to visit other laboratories / institutions Industries in India and abroad

Sl. No. Name of the faculty		Details		
1	Dr. C.T. Aravindakumar	 University of Paris (S) / Pulse radiolysis, 2011 &, 2012 Norwegian University of Science and Technology, Trondheim, Norway / Membrane Science, 2012 University of Paris (East, MIV) 2013 & 2015 / Advanced oxidation Process Technical University of Denmark, Denmark 2015 / Membrane science Hanoi University of Science & Technology, Vietnam, 2013 / Water purification technology King Mongkut's University of Technology Thonburi, Thailand, .2012 / Water purification University of Copenhagen 2015 / Mass spectrometry Duke University, USA, 2014 (membrane fuel cells) Brown University, USA 2014 (Water harvesting) Plymouth State University, 2014 (Environmental monitoring) BARC, Mumbai NEERI, Nagpur National Centre for Antarctic and Ocean research, Goa BITS-PILANI, Goa National Centre for Free Radical Research, Pune 		

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2	Dr. E.V. Ramasamy	 Pondicherry University Gandhigram Rural Institute
3	Dr. Mahesh Mohan	 Marine lab; Arctic Expedition team / Polar research National Centre for Antarctic and Ocean research, Goa Indian Institute of Geomagnetism, Mumbai NIO, Mumbai NCESS, Trivandrum
4	Dr. Sylas V.P.	1. Brown University, USA / Ecology

26. Faculty serving in

a) National committees

Sl. No.	Name of the faculty	Committee	
1.	Dr. C.T.	1. Expert Panel of the Water Technology	
	Aravindakumar	Initiative (WTI) of the Department of Science	
		& Technology, Govt. of India-2015-2019	
		2. Antarctic Selection Committee – 2016	
		3. Arctic selection committee – 2015	
		4. Group leader in Environmental Science, Polar	
		science policy deduction for Ministry of Earth	
		Science, 2016	

b) International committees

Sl. No.	Name of the faculty	Committee	
1.	Dr. C.T. Aravindakumar	1. Oslo Governance Forum (UNDP 2012),	
		Norway	

c) Editorial Boards

Sl. No.	Name of the faculty	Journal
1.	Dr. C.T. Aravindakumar	International Journal of Chemistry (ISSN: 2249-
		2119)

d) any other

Sl. No.	Name of the faculty	Committee
1.	Dr. C.T.	Governing Council and Executive Committee of
	Aravindakumar	Institute of Climate Change, Govt of Kerala
2.	Dr. E.V. Ramasamy	Member, Technical Committee, Suchithwa
		Mission, Government of Kerala
3.	Mahesh Mohan	Question paper setter by the Kerala State Public
		Service Commission, Govt. Of Kerala,
		Thiruvananthapuram.
4.	Dr. V. P. Sylas	Question paper setters by the Kerala State
		Public Service Commission, Govt. Of Kerala,
		Thiruvananthapuram.



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Refresher / orientation programs, workshops

Name of the Faculty.	Programme	Institute	Duration	
	Orientation Programme – IT oriented	University of Kerala, Thiruvananthapuram	03.10.2013 to 30.10.2013	UGC
	Refresher course	University of Kerala, Thiruvananthapuram	09.01.2015 to 29.01.2015	UGC
Dr. Mahesh Mohan	Training on biological diversity act 2002	IFGTB, Coimbatore	17-19 February, 2016	Indian Biodivers ity Board
	Two day Hands on workshop on plant DNA barcoding	CMS college, Kottayam	13-14 December 2011	CMS college
	One day workshop on NAAC accreditation process	Mahatma Gandhi University, Kottayam	12 th April 2016	Mahatma Gandhi Universit y
	Refresher Course - Environmental Science	University of Kerala, Thiruvananthapuram	09.01.2015 to 29.012015	UGC, New Delhi
	BIARI – 2013 (Brown International Advanced Research Institute)	Brown University, USA	June, 2013	Brown Universit y, USA
Dr. Sylas	Faculty Development Programme	Indian Institute of Technology, Madras	4 to 6 th August 2014	Indian Institute of Technolo gy, Madras
V.P.	Induction Training Programme	FLAIR, Govt. of Kerala, Thiruvananthapuram	28.10.2013 to 01.11.2013	FLAIR, Govt. of Kerala, Thiruvana nthapura m
	One day workshop on NAAC accreditation process	Mahatma Gandhi University, Kottayam	12 th April 2016	Mahatma Gandhi Universit y
	US-India Brain storming Discussion Meeting on Faculty Development on	Mahatma Gandhi University, Kottayam, Kerala	January 06, 2014	Mahatma Gandhi Universit y

Other Recharging Activities of teachers

$Symposia/Conferences\ Attended\ (Plenary/Invited\ talk/paper\ presentation)\ (\)$

Abroad:

	1	VIII EPOA-Meeting of Environmental Applications of
	1.	Advanced Oxidation Processes: II CIPOA- Iberoamerican
		Congress of Advanced Oxidation Processes, Nov.3-6, 2015,
		Belo Horizonte, Brazil
	2	•
	2.	International Conference on Advances in Applied Sciences
		and Environmental Technology, ASET, 21-22 Feb.2015,
	2	Bangkok, Thailand
	3.	International Conference on Advances in Environmental and
		Bio-Technology – (AEBT- 2014), 04-05 January, 2015,
	1	Bangkok, Thailand
	4.	International Conference on Advances in Environmental and
Prof.C.T.Aravindakumar		Bio-Technology – (AEBT- 2014), 04-05 January, 2014,
	_	Bangkok, Thailand
	5.	2nd International Conference on Environmental Pollution,
		Restoration and Management, Vietnam, March, 2013
	6.	19 th International Conference on Mass Spectrometry,
	7	Sept.15-21, 2012, Kyoto, Japan
	/.	AOP6 Oxidation Technologies for Water & Waste water
		treatment; May 7-9. 2012, Goslar, Germany
	8.	International Research Conference on Economics, Social
		Science and Environmental Issues, March 6-7, 2012,
		Bangkok, Thailand
	9.	Oslo Governance Forum (UNDP conference), Oct.3-5, 2011,
	1	Oslo, Norway
	1.	International Conference on Frontiers of Mass Spectrometry,
		Dec.11-14, 2015, Kottayam, Kerala
	2.	International Conference on Water: From Pollution to
		Purification, Jan. 23 – 26, 2015, Kottayam, Kerala
	3.	International Conference on Advanced Oxidation Processes,
	١,	Sept.25-28, 2014, Munnar, Kerala
D 60T	4.	National Symposium on Environment (NSE – 19), Dec 11-
Prof.C.T.Aravindakumar	1_	13, 2014, Kottayam
(national level)	5.	International Conference on Membranes, Oct.3-6, 2013,
		Kottayam, Kerala
	6.	Indo-Mexican Workshop on Water and Wastewater use and
	7	Management Nagpur, India, July 25-26, 2013
	/.	International Conference on Advanced Oxidation Processes,
		Oct.5-8, 2012, Kottayam
	8.	International Conference on Membranes; Biological and
		Environmental Applications, Sept.16-19, 2011, Kottayam



Symposia/Conferences Attended (Plenary/Invited talk/paper presentation)

In India:

Dr.E.V.Ramasamy, Associate Professor

Sl. No.	Title of Conference/ Seminar etc.	National / International	No. of lectures/ presentations/ Chairman of a Session
1	First National Biodiversity Congress (NBC-2012). 27-30 December 2012.	National conference Organised by Kerala State Biodiversity Board , Thiruvananthapuram	Invited lecture 1
2	National seminar on Municipal Solid Waste Management – Issues and Prospects, 2-3 March 2012.	National seminar Organised by Mar Athanasius College, Kothamangalam, Kerala.	Invited lecture 1
3	National seminar on Green chemistry-The ultimate tool for pollution control. 14-15 February 2012	National seminar Organised by Assumption College, Changanacherry.	Invited lecture 1
4	UGC-ASC University of Calicut ,(2014)	Refresher Course in Environmental studies	Invited lecture 2
5	UGC-ASC, Bharathiar University, (2014) Coimbatore	Refresher Course in Environmental studies	Invited lecture 2
6	Panel Discussion at the Social Enclave 2013, IIM, Kozhikode, February 17, 2013.	Regional meet,organised by Indian Institute of Management (IIM), Kozhikode.	Invited lecture 1
7.	Second International Conference on Advanced Oxidation Processes(AOP - 2012). October 5-8, 2012	International Organized by SECAS, IUIC, SES – MG University, Kottyam.	Chaired a Technical session
8.	National Conference on Biodiversity: richness, issues threats & conservation. Gandhigram Rural Institute, Gandhigram. January 19-21, 2011.	National Organised by Gandhigram Rural Institute, Gandhigram. Dindigul, Tamil Nadu	Invited lecture 1
9.	UGC National seminar on Indian Environmental Issues : Lessons from History, November 25-26, 2013.	National Organised by St.Teresa's College, Ernakulam	Invited lecture 1
10.	UGC National Seminar on Food, Environment & Medical Toxicology, The Cochin College, Cochin. September 29-30, 2014	National Organised by: The Cochin College, Cochin. September 29-30, 2014	Invited lecture 1
11.	State Seminar on Environment management, BCM College, Kottayam July 24-26, 2014	State level seminar Organised by: BCM College ,Kottayam.	Invited lecture 1
12.	National Science day celebrations organised by MET's School of Engineering, Mala, Thrissur Dt., on February 26, 2016.	State level Organised by: MET's School of Engineering, Mala, Thrissur Dt.,	Invited lecture



Dr. Mahesh Mohan, Assistant Professor

Sl. No.	Title of Lecture/Academic	Title of the Conference/Seminar/Event	Organized by	Class/ Talk
	Session			or Chair
1	Global environmental Pollutants- Status and significance	Refresher Course in Environmental studies	UGC-ASC University of Kannur,(2015)	Invited Talk
2	Global environmental Pollutants- Status and significance	Refresher Course in Environmental studies	UGC-ASC University of Kannur,(2015)	Invited Talk
3.	Global Environmental Pollutants- India's Contributions	Environment Day Lecture, June 10, 2016	St. Johns College, Anchal Kerala	Invited Talk
4	Arctic Expedition	Invited talk at as part of Environment Day Celebrations June 30, 2016	St. Peters College, Kolenchery	Invited Talk
5	Arctic Environmental Research - India's contributions	Science day Lecture	DB college, Thalayolaparambu, February 24, 2016	Invited talk
6	Persistent Bioaccumulative and toxic pollutants	Department Day lecture	BCM college, Kottayam, 2013	Invited Talk
7	Global environmental Pollutants- Status, significance and actions	National seminar on Environment Management	BCM college, Kottayam, 25.07.2014	Invited talk

Dr. Sylas V.P., Assistant Professor

Sl. No.	Title of Lecture/Academic Session	Title of the Conference/ Seminar/Event	Organized by	Class/ Talk or Chair
1	Wetlands as Sustainable Livelihood Source	UGC sponsored National Seminar on Environmental Conservation for Sustainable Living.	Deva Matha Collge, Kuravilangad, Kottayam	Invited Talk
2	Conservation of the Environment	Regional Seminar on Challenges to Sustainable Development and Environmental Protection	SreeNarayana Gurukulam Engineering College, Kolenchery, Eranakulam	Invited Talk



3.	Vembanad Lake –an endangered wetland ecosystem of Kerala	UGC sponsored National Seminar on Wetland Conservation – Multidisciplinary approach	St. Joseph College, Alappuzha, Kerala	Invited Talk
4	Water Resources of Kerala	National Seminar on Water Resources	St. Johns College, Anchal, Kerala	Invited Talk
5	Wetlands are not wastelands	UGC Sponsored National Seminar – Phytoedu fest 2012	Assumption College, Changanasserry, Kerala	Invited talk

28. Student projects

1 0	
Percentage of students who have done in-house projects including inter-	60-80 %
departmental projects	
Percentage of students doing projects in collaboration with other	20-40 %
universities / industry / institute	

29. Awards / recognitions received at the national and international level by • Faculty

• Faculty		
Name of the faculty	Details	
Dr. C.T.	1. Visiting Professor at the University of Paris-East with full	
Aravindakumar	professor status, 2015	
	2. an invited member of the Oslo Governance Forum (OGF), Oslo (UNDP) 2011	
	3. Visiting Professor (with full Professor status) at the University	
	of Paris-East (Department of Geology and Environment) 2013	
	4. Governing Council member and Executive Committee member	
	of the Kerala State Institute of Climate Change Studies-2014	
	5. Team Leader in Environmental Science to formulate the	
	research policy of the Ministry of Earth Science in India's	
	Polar Research (Arctic/Antarctic/Southern Ocean/Himalaya)	
	for the next 10 years. The Brainstorming Meeting on Polar	
	Sciences and Global Water Cycle was held at the National	
	Center for Antarctic and Ocean Research (NCAOR), Goa during April 13-14, 2016.	
	6. Invited as an expert for identifying research proposals for the	
	India's 36 th Antarctic Expedition 2016. The workshop was held	
	during June 9-10, 2016	
	7. nominated to the Expert Panel of the Water Technology	
	Initiative (WTI) of the Department of Science & Technology,	
	Govt. of India 2015	
Dr. E.V. Ramasamy	1. Member of the State Waste Management Policy Committee by	
	the Local Self Government Department, Govt. of Kerala	
	(November 14, 2012)	

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	2.	Nominated as a member of the Technical Committee of Suchitwa Mission, Local Self Government Department, Govt. of Kerala,
		attended several meetings of the committee during 2014-15
	3.	Special Board of Studies in Pollution Control and
		Environmental Engineering of Pondicherry University (October 26, 2012
	4.	Participated in the selection committee meeting of the
		CWRDM (Centre for Water Resources Development and
		Management) ,Kozhikode as a subject expert in the interview
		board for the selection of Scientist-B during July 02- 03, 2015.
	5.	Participated as the member of Board of Studies for the
		theB.Voc. Programme on Environmental Assessment and
		Remediation on Monday the 14th September, 2015, at
		Virudhunagar Hindu Nadars'; SenthikumaraNadar College,
		(Autonomous), Virudhunagar, Tamil Nadu.
	6.	Participated in the Technical Committee meeting for evaluating
		the technical presentations of the organisations who have short
		listed for New Technologies on 28.11.2015 at 10.30 A.M
		onwards at the Office of State Institute of Health and Family
		Welfare, Thycaud, Thiruvananthapuram, organised by
		Suchitwa Mission, Local Self Governance Department
		(LSGD), Govt. of Kerala
Dr. Mahesh Mohan	1.	DST-SERB Fast Track Project for Young scientist
	2.	Participated in Indian Arctic Expedition 2013-14
	3.	Participated in Indian Arctic Expedition 2014-15
	4.	Resource Person for Refresher Course in Environmental Sciences
		at UGC Academic Staff College, Kannur University, Kerala. 2015
	5.	Resource Person for Refresher Course in Environmental Sciences
		at UGC Academic Staff College, Kannur University, Kerala. 2014
	6.	The team leader selected for the Indian Arctic Expedition (July,
		2015)
Dr. Sylas V.P	1.	Brown International Advanced Research Institute (BIARI) –
		2013 (June 06 – 24), Brown University, USA with full support.
	2.	Member for the preparation of "Training module for Climate
		change; for LSGs of Kerala by the Kerala State Institute of
		Climate Change Studies-2015.
	3.	invited to deliver a Radio talk on Kuttanad wetland ecosystem
		by All India Radio (AIR), Thiruvananthapuram Station



Doctoral / post doctoral fellows

Name of the Doctoral fellows	Details
Sruthy S	1. Dr. Satheesh Memorial Young Scientist Award for best paper presentation in 11 th Kerala Environment Congress (KEC-2015), 6 th to 8 th may 2015 organized by Centre for Environment and Development, Kottayam, Kerala
Daniya M. Thomas	1. selected to Brown International Research Institute (BIARI), Brown University, USA – 2013 with full support
G. Akhil	 Best Paper Awards in the International Conference on Water: From Pollution to Purification, Jan.23-26, Kottayam Best Paper Awards in the 26th Kerala Science congress, January, Wayanad, 2014. Best Paper Awards in 5th Asian Conference on Colloid and Interface Science, Darjeeling, November, 2013.
P. R. Manoj	 Best Paper Awards in the third International Conference on Advanced Oxidation Processes, Sept.25-28, Munnar Best Paper Awards in the International Conference on frontiers of mass spectrometry (ICMS 2013), Sep.6-9, Kottayam, 2013
Jisha C	1. Best Paper Awards in the International conference on Nano - biomaterials, Kottayam, 2014.
Shibin N. B	1. Best Paper Awards in the National Symposium on Radiation and Photochemistry (NSRP-2013), North Eastern Hill University, Shillong, March 20-22, 2013
Shoniya Thomas	 Best Paper Awards in the National symposium on radiation and photochemistry, NSRP-2013, Shillong, March 20-22, 2013 Best Paper Awards in the International Conference on Advanced Oxidation Processes, Oct.5-8, Kottayam, 2012.
T.V. Divyalakshmi	 Best Paper Awards in the second international conference on membranes, Kottayam, October 4-6, 2013 Best Paper Awards in the ProcInternational conference on membranes: Environmental and biological applications, Sept.16-19, 2011
Nikhil Chandra	 Best Paper Awards in the National Seminar (NSNano 2013), SN College, Kollam Best Paper Awards in the National Seminar on Green Chemistry-The Ultimate tool for pollution control Changanasserry, February 14-15, 2012
Siju Abraham	 Best Paper Awards in National seminar on green chemistry—The ultimate tool for pollution control, Changanacherry, February 14-15, 2012. Best Paper Awards in the National seminar on sustainable development: Recent trends in meeting the challenges (NSSD-2012), Kottayam, January 20-21, 2012.
M. M. Sunil Paul	1. Best Paper Awards in the Trombay Symposium on Radiation and Photochemistry, January 5-8, Mumbai, , 2012.

• Students who participated in Indian Arctic Expedition

Name of the students	Details
 Mr.Gopikrishnan VG (2014-15, 2015-16) Mr.Shukur Abdul M. (2015-16) Mr.Binish MB (2015-16, 2016-17) Mr.Kannan VM (2015-16, 2016-17) Mr. John Richard Thomas (2015-16) Mr.Joice K. Joseph (2016-17) Mr.ArunBabu V (2016-17) 	The students were selected ad participated in Arctic expedition. Mr. Gopikrishna VG, Mr. Binish MB and Mr. Kannan VM are doing their Doctoral research on Arctic environment

30. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

/ International) with details of outstanding participants, if any.				
Sl. No.	Name of the Seminars/	Funding	Outstanding	
	Conferences/Workshops	source	participants	
1.	LAKE-2012, National Conference on Conservation and Management of Wetland Ecosystems conducted at School of Environmental Sciences, MG University, Kottayam during November 6-8, 2012.	DST, KSCSTE, MG University, Kerala state Biodiversity Board	 Dr.T.V.Ramachandra, Indian Institute of Science, Bangalore; Dr. SubashChandran, Indian Institute of Science, Bangalore; DrLigi Philip, Indian Institute of Technology, Madras, Dr.V.N.Rajasekaran Pillai, Executive Vice-President, KSCSTE, Thiruvananthapuram 	
2.	National Seminar on Sustainable Development, conducted at School of Environmental Sciences, MG University, Kottayam 2012	MG University	 Dr.T.V.Ramachandra, Indian Institute of Science, Bangalore Dr. Shibu K. Mani, Tata Institute of Social Science, Mumbai Dr. Sulthan AhmedIsmail, EcoScience, Chennai 	
	International conference on Advanced Oxidation Processes	BRNS, KSCSTE,		
	(AOP2012) Oct.5-8, 2012, Kottayam	DRDO, ISRO		
3.	 Adriana Zaleska, Gdansk University of Technology, Poland BahnemanDetlef, Gottfried Wilhelm Leibniz Universitaet Hannover, GERMANY Chantal Houee Levin, LCP, OrsayCedex Choi Wonyong, Pohang University of Science and Technology (POSTECH), 			



	<u> </u>			
	 South Korea Christophe Colbeau-Justin, Université Paris-Sud, France Constapel Marc, University of Wuppertal, Dept. Math. & Nat. Sci. Analyt. Chem., Germany Cooper William J., Urban Water Research Center, University of California, Irvine, USA Esplugas Santiago, University of Barcelona, MartiiFranques, Spain Hyun-Ha Kim, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan RemitaHynd, Universitaire Paris-Sud, France TrojanowiczMarek, Warsaw University, Poland Saha A., UGC-DAE Consortium for Scientific Research, Kolkata, India Gomathi Devi L., Bangalore University, Karnataka Halan Prakash, BITS-Pilani, Goa Naik D.B., BAARC, Mumbai Ramaraj R., Madurai Kamaraj University, Tamil Nadu, India Satyajit Shukla, NIIST, Thiruvananthapuram 			
4.	National Conference heavy Metals in the Environment' during November 28-29, 2013, School of Environmental Sciences, MGU	DoECC, MG University	 Dr. MNV Prasad, Hyderabad University Dr. Nandita Singh, NBGRI, Lucknow Dr. Dinesh Mohan, JNU Dr.V.Subramaniyan, JNU 	
5.	International Conference on Frontiers of Mass Spectrometry- ICMS 2013 R. Srinivas, National Center for Mass Spectrometry, Hyderabad, India Olivier Laprevote, Paris Descartes University, France S. K. Raza, Institute of Pesticide Formulation Technology, India GopalVaidyanathan, Waters India Pvt. Ltd., India VenkateswarluPanchagnula, National Chemical Laboratory (CSIR – NCL), Pune Mahesh J. Kulkarni, National Chemical Laboratory, Pune Kenataro Yamaguchi, Tokushima Bunri University, Japan S. K. Aggarwal, Bhabha Atomic Research Center, Mumbai, India RamaswamyBabuRajendran, BharathidasanUniveristy, India ShashinSha, BrukerDaltonics India Pvt. Ltd. Suresh Kumar, SVNIT, Surat, India S. K. Gupta, Bhabha Atomic Research Center, Mumbai, India NagarjunaNagaraj, Max Planck Institute of Biochemistry, Germany Abdul Jaleel, Rajiv Gandhi Center for Biotechnology, India Mahesh Hariharan, IISER, Thiruvananthapuram V. Nataraju, Bhabha Atomic Research Center, Mumbai, India SangramPattanaik, Thermo Fisher Scientific India Pvt. Ltd.			



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	 Ashok Kumar Malik, Panjab Universit P. G. Shah, Anand Agricultural Universit S. Prabhakar, National Center for Mass VivekDhyani, Agilent Technologies, In 	sity, Gujarat, India Spectrometry, Hyderabad, India		
6.		 Dr. SR Wate, NEERI Dr. PM Ravi, HPD, BARC, Mumbai Dr. SP Kale, BARC Dr. Mukesh Sharma, IIT, Kanpur Dr. GG Pandit, BARC Dr. DN Singh, IIT Mumbai 		
7.	International Conference on Advanced Oxidation Processes (AOP 2014), September 25-28, 2014 Munnar, Michael R. Hoffmann, California Institute of Technology, USA L. Gomathi Devi, Bangalore University, India Mehmet A. Oturan, Universite Paris-Est, Marne-la-Vallee, France Collin G. Joseph, Universiti Malaysia Sabah, Malaysia Anju Chadha, IIT, Madras, India Halan Prakash, BITS Pilani, Goa, India Sathyajit Shukla, CSIR-NIIST, Thiruvananthapuram, India D. Fatta-Kassinos, University of Cyprus Sushil Kumar Kansal, Dr. S. S. Bhatnagar University Institute of Chemica Engineering and Technology, Punjab, India			
	 Isabel OllerAlberola, Plataforma Solar de Almeria-CIEMAT, Spain Amrit Pal Toor, Punjab University, Chandigarh, India N. R. Shiju, University of Amsterdam, The Netherlands S. V. Sreenivasan, Center Leather Research Institute, Adyar, India 			



8.	International Conference on Frontiers of Mass spectrometry, December 11-					
	14, 2015. Kottayam					
	Marc J-F Suter, Eawag, Switzerland					
	Michael W. Linscheid, Humboldt-Universitaetzu Berlin, Germany					
	AthulaAttygalle, Stevens Institute of Technology, USA					
	EvgenyNikolaev, Physics Russian Academy of Sciences, Russia					
	AchilleCappiello, Università di Urbino, Italia					
	Olivier Laprevote, Paris Descartes University, France					
	R. Srinivas, National Centre for Mass Spectrometry, CSIR-IICT, Hyderabad, India					
	Abdul Jaleel, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Kerala					
	 VenkateswarluPanchagnula, National Chemical Laboratory (CSIR – NCL), Pune 					
	Keshava Prasad, Institute of Bioinformatics, Bangalore, India					
	• Suman S. Thakur, CSIR- Centre for Cellular & Molecular Biology, Hyderabad,					
	India					
	 Laurent Debrauwer, INRA, TOXALIM, Toulose, France 					
	Bhaswati Chatterjee, NIPER, Hyderabad, India					
	M. Joseph, IGCAR, Kalpakkam, Tamilnadu, India					
	Pierangela Palma, University of Urbino, Italy					
	George Mathai, Sacred Heart College, Thevara, Kochi, India					
	Igor Popov, Moscow Institute of Physics and Technology, Russia					
	Amit Kumar Mandal, St. Johns Research Institute, Bangalore, India					
9.	OSI workshop on "Membrane UGC • Andreas Kaiser, Technical					
	technology" in collaboration with University of Denmark					
	Duke University, August 2015 • Pushpito Ghosh, CSMCRI,					
	Gujrat					
	Yoram Oren, Bengurion					
	University, Israel					

31. Code of ethics for research followed by the departments:

Plagiarism is being assessed before thesis submission. Ethical guidelines of the University is being strictly followed (e.g. Animal Ethical Committee for all kind of research related to living organisms). The software used by the students and faculty members for research and educational purposes are of licensed version (original). The School has a division of Remote Sensing and GIS and all the software used by the division are procured from the authorised agencies and the remote sensing data are given by the Department of Space, ISRO, Govt. of India.



32. Student profile programme-wise:

		Selected		Pass percentage		
Name of the Programme (refer to question no. 4)	Applications Received	Male	Female	Male	Female	
	59 (Yr.2010)	3	17	100	100	
	96 (Yr. 2011)	7	13	100	100	
	126 (Yr. 2012)	6	14	100	100	
M.Sc.	238 (Yr.2013)	2	18	100	100	
	358 (Yr. 2014)	8	12	100	100	
	376 (Yr.2015)	5	14	80%	100	
	336 (Yr.2016)	5	12	100	100	
M.Phil	75(2010-11)	1	7	100	100	
	56(2011-12)	2	6	100	100	
	65 (2012-13)	1	7	100	100	
	33 (2013-14)	1	7	100	100	
	44 (2014-15)	1	7	100	100	
	26 (2015-16)	4	4	100	100	

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (2013)	85	15		
M.Phil (2013)	88	12		
M.Sc (2014)	73	21	6	
M.Phil (2014)	87	13		
M.Sc (2015)	42	47	11	
M.Phil (2015)	87	13		



34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Sl. No	NET/ JRF Qualified	GATE	SET	Others
1.	8	0	0	Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	10
PG to Ph.D.	30
Ph.D. to Post-Doctoral	10
Employed	
Campus selection	0
Other than campus recruitment	40
Entrepreneurs	5

36. Diversity of staff

Percentage of faculty who are graduates			
of the same university	50		
from other universities within the State	0		
from universities from other States from	50		
universities outside the country	0		

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

a)	Library					Available,	5607	books			
b)	Internet students	facilities	for	staff	and	Available, systems	135	ports	and	4	Wi-Fi



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c) Total number of class rooms	7
d) Class rooms with ICT facility	Yes, 7
e) Students' laboratories	3
f) Research laboratories	11
	Environmental chemistry Lab Environmental Biotechnology Lab Environmental Microbiology Lab Remote Sensing and GIS Lab Mass Spectrometric Lab Mercury Analytical Facility Instrumentation rooms – 3 GC-MS lab
	Metal analytical Lab

39. List of doctoral, post-doctoral students and Research Associates (present students) a) from the host institution/university

Name of Guide Name of Scholar **Post-doctoral** Dr. CT Aravidakumar Jeeva M Philip Nejumal KK John Richard Thomas Dr. EV Ramasamy ArunBabu V Toms Augustine Sruthy S nair Sajithkumar KJ Sruthy S Rahul K Dr. Mahesh Mohan Binish MB Gopikrishna VG Neethu Joy Krishna MP Kannan VM BaluBalachandran Dr. Sylas VP Jerry Mecherry Nil Daniya M Thomas RaisaKabeer Praveenkumas CS Deepthi G Nair BabuPadmakumar Dr. AP Thomas Sethulakshmi Bhai KC Jaisen ND LinuBabu Dr.APPradeepkumar KarunakaranAkhilDev Dr. AA Mohamed Hatha Jesmi Yousuf



b) from other institutions/universities

Name of Guide	Name of Scholar	Post-doctoral
Dr. CT Aravidakumar	Manoj PR	
Dr. EV Ramasamy	Mahalaxmi N	
	Divya Ashok	
Dr. Mahesh Mohan	ArunSasi S	
	Abdul Shukoor M	
	Sijimol MR	
	Phebe Joseph	
Dr. Sylas VP	Laigi Joseph	Nil
	Neethu Cyril	1811
	Vijo Thomas Kurien	
Dr. AP Thomas	Poornima Baby	
	Cinnie Susan Antony	
Dr. V George	Lekshmi V Bose	
Dr.Manilal	Aneesh C	

40. Number of post graduate students getting financial assistance from the university. Period 2010-16

- 2010 (6 students from Govt.) M Phil: (3 students from Govt.)
- 2011 (11 students from Govt.) M.Phil: (3 students from Govt) 2011
- 2012 (15 students from Govt.) M.Phil: (2 students from Govt) 2012
- M.Sc. (10 students from Govt.) M.Phil: (4 students from Govt) 2013
- M.Sc. (4), M.Phil (3) 2014
- M.Sc. (4), M.Phil (3); 2015

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

No new programme was started in the period under report.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning- evaluation? If yes, how does the department utilize the feedback?	Yes. The faculty council assesses the report periodically and rectify the shortcomings (If any).
b) Students on staff, curriculum and teaching-learning- evaluation and how does the department utilize the feedback?	Yes. The faculty council discusses the evaluation report of the feedback from the students and rectify any shortcomings to the maximum possible extent

Tagen states

Mahatma Gandhi University

c) Alumni and employers on the programmes offered and	Yes. Feedback from
how does the department utilize the feedback?	alumni are regularly
	collected and due
	importance is given to their
	suggestions.

43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position
1.	Mr. Sreekandan Nair	Former Director, DoECC, Government of
		Kerala
2.	Dr. PC Abhilash	Assistant Professor, BHU
3.	Dr. Shijo Joseph	Scientist E, KFRI
4.	Dr. Rakesh PS	Scientist, NIO, Mumbai
5.	Dr. B. Ajayakumar	Geologist, Department of Mining and
		Geology, Kerala
6.	Dr. Joshy George	Central Institute of Mining and Fuel
		Research, Dhanbad
7.	Dr. (Sr.) M.K	Principal, Morning Star College, Angamaly
	Alphonsa	
8.	Dr.	Associate Professor, Mar Ivanios College,
	SubojBabukkutty	Thiruvananthapuram
9.	Mr. Kurien John	Former Principal, Marthoma College,
		Thiruvalla
10.	Dr. T.U Sukumaran	Paediatrician, Government Medical
		College(ICH), Kottayam

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Erudite / Scholar in residence programmes enrich the students with international level of knowledge mostly from eminent scholars and Nobel laureates.
- Spoken English coaching was provided to the PG/M.Phil/Ph.D students
- Five students were participated in Indian Arctic expedition during 2014-15 and 2015-16
- Special invited lectures by eminent scholars from within and outside the country were organised periodically.
- Special field trip/ study trips were organised for the students during the World Environment Day / World Water day, to provide an exposure to the students on social responsibility on cleaning the Environment.



45. List the teaching methods adopted by the faculty for different programmes.

- Field oriented study methods form the part of the curriculum of M.Sc and M.Phil programmes.
- Interactive class room with power point/video facilities
- Free MOOC program in collaboration with IIRS, ISRO, Hyderabad is given to the students.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Faculty council periodically assess the

- a) Progress and output of research
- b) Percentage of students going for higher education as well as employment
- c) Evaluate the success of our extension activities

47. Highlight the participation of students and faculty in extension activities.

- Rainwater for humanity program
- Open house programme conducted for the school children to visit the school laboratories and 'Jeevaka Live Laboratory'
- Energy conservation, water conservation studies by the M.Sc students
- Energy audit and solid waste audit as group project done for the campus by the PG students.
- Water quality testing for the public this involves students and faculty members.

48. Give details of "beyond syllabus scholarly activities" of the department.

- <u>CLENS</u>: Club of Environment students. CLENS meet periodically to discuss about various Environmental Issues pertaining mainly to the campus. The efforts of this club (CLENS) has resulted in to the University Order to ban the use of Plastic Banners (FLEX) in the campus, as the first phase of banning the use of plastics in the campus.
- The Thursday club as the name suggests meets on every Thursdays of the week and short talks on any topic of their interest will be delivered by the members, this club was mainly to improve the communication skills (in English) of the students.
- SWAAD 2013, 2014 and 2015: A grand Food festival is being organised by the School every year in order to encourage the cooking habits among the students. Thrust is normally given to promote preparation of indigenous food items by the students and teachers. The food items will be evaluated by the expert team consisting chefs from star hotels, restaurants. The best three teams will be awarded



49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details :Yes

The national agencies accredited the School with various programmes

- The School is a part of Indian Arctic expedition and Scientific Research of Earth System Science Organisation (ESSO)- National Centre for Antarctic and Ocean Research (NCAOR), MoES since 2013-14 expedition.
- 2. The School is a part of two National Programmes from BRNS, BARC such as (a) Nationwide Environmental Gamma Radiation Monitoring Using TLDs; (b) Investigation of the special distribution of uranium and associated water quality parameters in five central districts of Kerala
- 3. The School is a part of National Vegetation Carbon Pool Assessment Programmes of IIRS, ISRO, Department of Space, Govt. of India
- 4. The School has been selected for the first UGC-Obama Singh 21st Century knowledge initiative Programme and thus Mahatma Gandhi University has become the first state university being awarded with this prestigious award.
- 5. CALTECH, USA entrusted the School of Environmental Sciences for conducting the field trial on the "Self-contained, PV powered domestic toilet and waste water treatment system". One year field trial by operating and managing the system within MGU campus was completed successfully.
- 6. The School is also recognized by DST-FIST, DST-PURSE

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The school generates new knowledge in the field of basic and applied sciences. This involves identification (subsequent publication) of new flora / faunal species, technology development. All these are evident from our publications in Journals of basic and applied sciences.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1) State of the art research facilities
- 2) Mobilisation of external resources
- 3) Extension activities of social relevance
- 4) Consultancy and Department Development Fund
- 5) National and International Linkages/Collaborations



Weakness

- 1) Shortage of faculty members.
- 2) Lack of understanding of the interdisciplinary nature of the subject among public.
- 3) Low student diversity (other states/countries).
- 4) Lack of popularisation of the entrance examination conducted for PG admission
- 5) Lack of manpower for maintaining the sophisticated instrument facilities.

Opportunities

- 1) Diversified areas of research
- 2) Participation in meetings directing the law makers/policy makers
- 3) Catalyse eco-friendly/sustainable development
- 4) Promote environmental awareness and education
- 5) Support disaster management and related activities

Challenges

- 1) In developing cost effective eco-friendly technologies
- 2) To attract students towards the interdisciplinary subject
- 3) Taking up of extension and consultancy services with low manpower involvement
- 4) To strengthen the environmental awareness/education among Public
- 5) Up-keeping the instrumental facilities in working condition

52. Future plans of the department.

- a) To start an M.Tech. Programme in Environment Science and Technology
- b) To enhance the student strength in Masters and M.Phil programme along with the faculty strength
- c) To start an exclusive Centre for Wetland Research (Vembanad Environment Research Centre)
- d) To strengthen the analytical skill of the PG students through summer training programme on hands-on-experience in sophisticated analytical instruments
- e) To enhance and strengthen Polar Environment Research under the Polar expedition programmes of Government of India.
- f) To install a roof-top rainwater harvesting structure of capacity 69,000 litres at the school first of its kind in the MGU campus to overcome the water scarcity in summer months as well as to reuse the water in the analytical labs especially in the water distillation units in order to conserve this precious resource, again first of its kind perhaps in the state or even in the country.
- g) To initiate and strengthen Marine environmental research



SCHOOL OF GANDHIAN THOUGHT AND DEVELOPMENT STUDIES

		School of G	andhi an The	ought &	Development
1	Name of the Department	Studies			
2	Year of establishment	1983			
3	Is the Department part of a School/Faculty of the University?	Yes, Faculty of Social Sciences			
	4. Names of programmes offered	M.A in Gandhian Studies,			
	(UG, PG, M.Phil, Ph.D, Integrated		elopment Stu andhian Studi		
4	Masters, Integrated Ph.D, D.Sc,		evelopment St		
	D.Litt, etc).	M.Phil in Social Work Ph.D. in Social Work/Development Studies/ Gandhian Studies			ent Studies/
5	Interdisciplinary Programmes and departments involved	The academic programmes of the school are highly inter disciplinary. Inter disciplinary research programme of the school signifies scholars from any social science discipline and are permitted to do research in the school subject to the University rules & regulations.			
6	Courses in collaboration with other universities, industries, foreign institutions etc	Nil			
7	Details of programmes discontinued, if any, with reasons	Nil			
	Examination System:				
8	Annual/Semester/Trimester/Choice	Seme	ster(Choice B	Based Cr	edit System)
	Based Credit System:				
	Participation of the department in				ending the open
9	the courses offered by other		•		ols of University e on Fundamentals
	departments	of Gandhian Thought where in students from, other schools of the University are permitted to attend.			
	Number of teaching posts	Sensons of the	Sanctioned	Filled	Actual(including CAS&MPS)
	sanctioned, filled and actual	Professor	1	0	0
10.	(Professors, Associate	Associate Professor	2	0	0
	Professors/Asst.Professors/others	Asst.	5	4	4
		Professors		0	
		Others	0	0	0



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

caperionee und rese	experience and research under guidance				
Name	Qualificati on	Designati on	Specializati on	No. of years of Experien ce	No.of Ph.D./M.P hil. Students guided for the last 6 years
Dr.Roy C Mathew	M.A., Ph.D	Assistant Professor	Human Resource Management Developme nt Studies	11	Ph.D–19 M.Phil- 18
Dr.Sandhya R.S	M.A ,Ph.D	67	Social Gerontology Gender Studies	10	Ph.D - 11 M.Phil- 18
Dr.C.R.Harilakshmee ndra Kumar	M.A., Ph.D, Ph.D	٠,	Gandhian Studies, Rural Developme nt, Field work, Yoga	8	Ph.D- 11 M Phil-18
Smt.Manjusha K A	M.A (History), B.Ed(CSS)	47	History, Tribal Studies	6	M Phil -18

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Sl.No	Name	Visiting Fellows/Adjunct faculty/ Emeritus professors	Specialization
1.	Prof. Dr.Narayana Pillai, Ret. Prof. Dept. of Sociology University of Kerala	Visiting Fellow	Sociology, Medical sociology, Research methodology
2.	Dr. Joseph Mathew, Asso. Prof. Dept. of Gandhian Studies, Karnatak University, Daharward	Visiting Fellow	Gandhian studies, education, Rural development, Research methodology
3.	Prof Dr N Radhakrishnan	Visiting Fellow	Gandhian studies, peace studies, Gandhian Economics
4.	Dr WillianBhasker	Visiting Fellow	Gandhian studies, Development Studies
5.	Dr Lal Das	Visiting Fellow	Research methodology, SPSS, Social work

6.	Dr A.K Chirappaneth	Visiting Fellow	Gandhian Philosophy,
0.	Di A.K Cimappanetii	Visiting 1 chow	Religion, Peace studies
7.	Dr M.P Mathai	Visiting Fellow	Gandhian studies, Peace
			studies,Gandhian
			Economics
8.	Sri. AV Joseph	Visiting Fellow	Gandhian Economics,
			Social Work, Field work
	Dr Antony Palackal	Visiting Fellow	Sociology, Research
			Methodology, Social
			Theories

13. Percentage of classes taken by temporary faculty – Programme-wise Information

Programme	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
MA	20	NIL	NIL	NIL	NIL	NIL
M.Phill	20	NIL	NIL	NIL	NIL	NIL
Ph.D	NIL	NIL	NIL	NIL	NIL	NIL

14. Programme –wise Student Teacher Ratio:

Sl. No.	Course	2011	2012	2013	2014	2015	2016
01	M.A	48:7	48:7	48:6	48:6	48:5	48:4
02	M.Phil	11:7	11:7	11:6	11:6	11:5	11:4
03	Ph.D.	96:12	96:11	96:11	96:11	96:9	96:9

15. Number of academic support staff(technical) and administrative Sanctioned, filled and Actual:

Support staff	Sanctioned	Filled
Administrative Officer	1	1
Assistant Section Officer	1	1
Office Superintendent	1	1
Technical	1	1
Assistant(Librarian)		
Peon	1	vacant



16. Research thrust areas as recognized by major funding agencies:

- Tribal Welfare
- Rural Development & Gandhian Philosophy
- Social work
- Gerontology
- Human Resource Development
- Development Studies
- Yoga & Naturopathy

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise

a) National

Sl. No	Title of the Project	Duration	Funding Agency	Total amount in Lakhs (₹)
1.	"Vulnerability of Elderly Widows in Kerala" (Dr.Sandhya R S)	2011-12	UGC	7.27
2.	Impact of Public Policy and Rural Reconstruction: An Analysis of Gandhian Approach(Dr. D. Nirmala Devi)	2012-14	UGC	5.66
3.	"Human Rights & Tribal Development: A Comparative study on the Malaipandaram Tribes in Pathanamthitta and Kollam Districts in Kerala" (Smt. Manjusha KA)	2015-16	ICSSR	20.00
	Total			32.93 lakhs

- b) International: Nil
- 18. Inter-institutional collaborative projects and associated grants received

a) National collaboration : Nil

b) International collaboration : Nil

Total grants received: NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc:

SL.No	Funding Agency	Total amount in Lakhs (₹)
1.	UGC – SAP	24.00
2.	ICSSR	16.00
3.	UGC	12.93

Total Grant received: ₹ 52.93 Lakhs

20. Research facility/Centre with

State recognition Yes
 National recognition Yes
 Inter National recognition Nil

21. Special research laboratories sponsored created by industry or corporate bodies

Nil

22. Publications

Sl. No	Publications	Total
1.	Refereed Journal Publications	37
2.	Monographs	Nil
3.	Conference Proceedings	Nil
4.	Chapters in Books	2
5.	Edited Books	1
6.	Books authored with ISBN	1
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	1
9.	Total	42

Number listed in International Database : 8
 (For e.g.Web of Science, Scopus, Humanities, International Complete, Dare

 Database –

International Social Sciences Directory, EBSCO, Host, etc.)

Citation Index – range/average
SNIP
SJR
Nil
Nil

• Impact Factor – range /average

• H-index : 1

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil



25. Faculty selected nationally/internationally to visit other laboratories/institutions/industries in India and abroad

Prof Dr.M.S.John

Sl.No.	Name of the university/industry	Duration	Purpose
1.	IIT Madras, Humanities Department	2011- 2012	Professor on deputation

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) anyother (please specify)

a) National committees: Nil

b) International committees: Nil

c) Editorial Boards

Sl. No. Name of the faculty		Committee	
1.	Dr.M.S.John, Professor	Chief Editor – Gandhi Marg	
2.	Dr C.R Harilekshmeendra Kumar	Online journal, M.G University, Kottayam	

d) Anyother

Sl. No.	Name of the faculty	Committee		
1.	Dr Sandhya RS	Human Ethics Committee, M.G University		
	Cmt Maniucha KA	SC/ST Monitoring Committee, M.G		
2.	Smt. Manjusha KA	University		
	Dr C.R Harilekshmeendra Kumar	IQAC Co-ordinator, SGTDS, M.G		
3.	Di C.K Harneksiineendra Kuinai	University, BOS, Calicut University, Calicut		

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs):

Orientation Course	4
Refresher Course	5
Short term course/Training programme	4
Workshop	25

28. Student projects

•	 Percentage of students who have done in-house projects including inter- 				
	departmental projects				
•	Percentage of students doing projects in collaboration with other	60			
	universities / industry / institute				



29. Awards/recognitions received at the national and international level by

• Faculty:

Name of the faculty	Awards/recognitions		
	GICSNA (Government of India Certified Senior		
	Naturopath Association) National Award for the		
Dr.C. R.Harilakshmeendra Kumar	contributions rendered to the academic		
	propagation of Yoga & Naturopathy in the		
	national and international level.		

• Doctoral / post-doctoral fellows:

Name of the Doctoral /	Nil
post-doctoral fellows	INII

• Student:

Name of the student	Nil

30. Seminars/Conferences/Workshops organized and the source of funding, (national/international) with details of outstanding participants, if any:

Year	Seminars/ Conferences/ Workshops	Source of funding	outstanding participants
2010-11	1	UGC SAP	4
2011-12	1	UGC SAP	5
2012-13	2	ICHR, UGC	12
2013-14	2	UGC, ICSSR	8
2014-15	1	UGC	5
2015-16	3	UGC	12

31. Code of ethics for research followed by the departments:

Department has a department ethics committee for conduct of research

- (i) Code of ethics is followed during selection of research topics for Ph.D.
- (ii) Plagiarism is strictly banned and avoided.
- (iii) Licensed soft wares are used for research purposes.



32. Student profile programme-wise

2011-2012

Name of the		Selected		Pass percentage	
Programme(refer to question no.4)	Applications received	Male	Female	Male	Female
M.A	38	9	15	37.5	62.5
M.Phil	26	4	7	36.3	63.7
Ph.D. Course Work	35	7	5	58.3	41.7

2012 - 2013

Name of the		Selected		Pass percentage	
Programme(refer to question no.4)	Applications received	Male	Female	Male	Female
M.A	26	14	10	58.3	41.7
M.Phil	27	3	8	27.2	72.8
Ph.D Course work	39	7	6	53.8	46.2

2013 -2014

Name of the		Selected		Pass percentage	
Programme(refer to question no.4)	Applications received	Male	Female	Male	Female
M.A	Through CAP	14	10	58.3	41.7
M.Phil	40	10	7	58.8	41.2
Ph.D Course work	24	5	7	41.7	58.3

2014-2015

Name of the		Selected		Pass percentage	
Programme(refer to question no.4)	Applications received	Male	Female	Male	Female
M.A	Through CAP	16	4	80.0	20.0
M.Phil	36	9	2	81.8	18.2
Ph.D Course work	28	7	8	46.7	53.3



2015 -2016

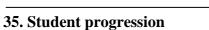
Name of the		Sele	cted	Pass	
Programme(refer to question no.4)	Applications received	Male	Female	percentage Male	Female
M.A	Through CAP	11	10	Exam not conducted	
M.Phil	30	3	8		
Ph.D. Course work	23	2	8		

33. Diversity of students

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A	80%	19%	1%	Nil
M.Phil	85%	13%	2%	Nil
Ph.D	88%	10%	1%	1%

34. How many students have cleared Civil Services and DefenceServicesexamination, NET, SET, GATE and other competitive examinations? Give details category-wise-list of students passed NET examination

NET/ JRF Qualified	GATE	SET	Kerala PSC
14	Nil	5	35



UG to PG	Nil
PG to M.Phil	90%
PG to Ph.D	15%
Ph.D to Post - Doctoral	1
Employed	
Campus selection	
Other than campus recruitment	35%
Entrepreneurs	0

36. Diversity of Staff

Percentage of faculty who are graduates		
Of the same university	25%	
From other universities within the State	50%	
From universities from other States from	25%	
Universities outside the country	0	

37. Number of faculty who were awarded M.Phil; Ph.D, DSc and D.Litt. during the assessment Period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library	8000 books and other learning
	resources
b) Internet facilities for staff and students	Available
c) Total number of class rooms	6
d) Class rooms with ICT facility	Yes
e) Students' laboratories	1
f) Research laboratories	Nil



39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university

Name of Scholar
Abraham Kurian
Arun
Sajini
Brinda Nelson
Deepak Joseph
Nisha.V.Nair
Anto.S.V
Mohammed Shihab
VidhyaVijayan
Anusha
Sinu.I.Paul
Shijimol
Tiji.P.V.
Surendran.P.G.
Santhosh.K
Ratheesh.P.R.
Ramesh.V.P.

b) From other institutions/universities

Name of Guide	Name of Scholar
Dr.Nirmaladevi. D	T.Chuba Jamir AnithaM.Palakkal
Dr.MahajanP.Mani	Meera.E.H Minu.M.Kumar Solomon.K. Elizabth Gabriel Jolly K.James Asha .C.M. JofferKorrea Priya George
Dr.M.S.John	Sabu Thomas Deepthi.M.U
Dr.RoyC.Mathew	Roopa.S Jessy.L Prima George Jiby Jose



Dr.Sandhya .R.S	Robin Mathew
	Ann Kavitha Mathew
	Febin Baby
	Sudheeran.T.S
	Sreesha
	Neena
	AmrithaRinu Abraham
	Unnikrishnan
	Shimi E Chandran
Dr.Harilakshmeendrakumar	Anilkumar.P.K.
	Kripa.K.Alex
	Ambily.C.K.
	Sreemol.S.
	Mathew Joseph
	Fr.Saji Varghese

Name of Guide	Post-doctoral
Dr.M.S.John	Dr.NishaVelappan Nair

40. Number of post graduate students getting financial assistance from the university

Period 2010-2016

Fellowship	Number	
E grants	62	

41. Was any need assessment exercise undertaken before the development of new programme Yes, through surveys and exploratory research studies. This means the employment potential of the programme is assessed through discussions with experts, members of the alumni, corporate executives etc.

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	Based on the feedback from stakeholders (alumni, research institute, academics, social science institutes etc.), improvements are effected in the curriculum as well as
b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback.	teaching- learning process. a) Based on the feedback improvements are effected in the curriculum as well as teaching learning process b) Based on the feedback the training needs of the teachers are identified and used to
c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?	Based on the feedback the training needs of the teachers are identified and are used to take proactive steps towards improvement.



43. List of distinguished alumni of the department (Maximum 10)

Sl No.	Name	Current Position	
1.	Dr.Aby George	Regional Director of Tata Institute of Social Sciences	
2.	Dr.Siby K Joseph	Dean, Institute of Gandhian Studies, Wardha	
3.	Stephen George	Former Member of Legislative Assembly, Kerala	
4.	Dr. MP Mathai	Former Professor, School of Gandhian Thought and Development Studies, MG University & Visiting Professor, Gujarat Vidyapeet, Ahmadabad.	
5.	Venu Nair National Award winner and Film Maker		
6.	JayashankarBhaskaran	Cataloging Officer in US Embassy, New Delhi	
7.	Charles Mittathani	World Vision, Non-Governmental Organization	
8.	Dr.AbhilashBabu	Assistant Professor, Central University, Gujarat	
9.	Varghese John Thottappuzha	Chief Editor(Research), MalayalaManorama, Prominent Malayalam newspaper.	
10.	Dr.AbyP.Joy	Editor, Mathrubhoomi, Prominent Malayalam newspaper.	

44. Give details of student enrichment programmes (Special lectures/workshops/seminar lectures/workshops/seminar)

S.L No	Name of the programme	Date	Remarks
1.	Workshop on Gandhian Philosophy	2011-12	Dr.K.Radhakrishnan
2.	Workshop on Statistical Package for social sciences	2012-13	Dr.Sudheer, Gandhi Gram Rural Institute, Madhurai.
3.	Workshop on Research Methodology	2013-14	Dr.LAL DAS, Hydrabad.
4.	Workshop on Yoga	2015-16	Dr.RajeswarMukhopadhaya and NidhishYadav of Kaivalyadhama Institute of Yoga Mumbai
5.	Special lectures on Gandhian Philosophy	2015-16	Dr. VinodKool, State University of New York
6.	One day student enrich programme in collaboration with Kanthari Institute Trivandrum	2015-16	In this programme students were given deep insight on how to initiate self-employment entrepreneurial initiatives. Here the means of mobilizing resources both human & material were stressed.



45. List the teaching methods adopted by the faculty for different programmes

- PPTs
- ICT
- Flipped class room

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Through Periodic Evaluations
- Collecting feed backs
- Conducting Examinations
- Through Field Visits

47. Highlight the participation of students and faculty in extension activities

- Field study in reputed NGOs
- Organizing Rural Camps
- Conducting field work programme

48. Give details of "beyond syllabus scholarly activities" of the department

Training in participatory development activities, developing skills in essay writing, public speaking and soft skills

- 49. State whether the programme/department is accredited/graded by other agencies $$\operatorname{No}$$
- **50.** Briefly highlight the contributions of the department in generating new knowledge, basic or Applied

This is ensured through Research Programmes and Extension activities. The research publications of the school are ample testimony to the new knowledge generation.

51. Details five major Strengths, Weaknesses, Opportunities and Challenge (SWOC) of the Department

Strengths

- Good infrastructural facilities.
- Fabulous support of the scholarly community.
- Inter disciplinary research facilities.
- Good support from the Alumni.
- Co-operation and support of the leading NGOs & General Public.



Weaknesses

- Inadequate faculty members.
- Lack of collaboration with corporate entities.
- Lack of enough administrative staff.
- Absence of sufficient number of smart class rooms, Lab facilities etc
- Lack of a vehicle for the transportation of students for field placements.

Opportunities

- Possible tie up with foreign universities.
- Possibilities for undertaking worthy human resource development (HRD) projects.
- Immense scope for extension activities.
- Possibility for attracting scholars from abroad.
- Starting of massive online course on Gandhian Philosophy

Challenges

- The existing PG programme, M.A Development studies is not a UGC recognized programme.
- No special reservation for M.A Gandhian Studies students in state public service examinations.
- Delay in filling up non-teaching staff positions.
- Lack of student diversity.
- Lack of awareness among stakeholders regarding the significance of academic programmes in Gandhian Studies.

52. Future plans of the department

- To develop the School as a major centre of excellence in Gandhian and Peace studies.
- To initiate active international co-operation with universities, NGO's, research institutes etc. involved in Peace studies.
- To establish a Mahatma Gandhi Museum to highlight the importance of Gandhian values.
- To undertake a Massive Open Online Course (MOOC) on Gandhian Philosophy.
- To revitalize the existing M.A. Development Studies programme by incorporating more Job- Oriented subjects.



SCHOOL OF INDIAN LEGAL THOUGHT

1.	Name of the Department	:					
			School of Ind	lian Legal Th	ought		
2.	Year of establishment	:	1989	1989			
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty o	f Law			
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	 LL.B-3year BBA, LLB -5 year LL.M Ph.D. 				
5.	Interdisciplinary programmes and departments involved		5 year BBA LL.B programme is interdisciplinary in nature, this course offers two degree LLB (Law) and BBA(Management). The students can pursue higher studies in law and management.				
6.	Courses in collaboration with other universities, industries, foreign institutions, etc		Nil				
7.	Details of programmes discontinued, if any, with reasons		BA LL.B programme was discontinued and BBA LLB was started as per the stipulations of Bar Council of India.				
8.	Examination System		LLB-Semester LLM- Semester, choice based credit system				
9.	Participation of the department in the courses offered by other departments		None				
10.	Number of teaching posts, sanctioned, filled and			Sanctioned	Filled	Actual(including	
	actual		Professor	1	Nil	CAS & MPS) Nil	
	(Professors/Associate Professors/Asst.		Associate Professors	Nil	Nil	1	
	Professors/others)		Asst. Professors	7	5	5	
			Others	Nil	Nil	Nil	



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Year of experience	No. of Ph.D. students guided for the last 6 years
Dr. K Vikraman Nair	LL.M Ph.D	Professor	Constitutional Law	30	3
Dr. George Joseph	LL.M Ph.D	Professor	Constitutional Law	26	5
Dr M.C Pramodan	LL.M Ph.D	Associate Professor	Contract law & Administrative law	23	1
Dr.Sheeba Pillai	BA,LL.M,Ph.D	Assistant Professor	Constitutional Law	16	2
Dr. Rajeesh.A.P	BSc.LL.M, Ph.D	Assistant Professor	Constitutional Law and Administrative law	16	Nil
Dr. Gigi P.V	LL.M, Ph.D	Assistant Professor	Constitutional Law &Administrative Law	16	Nil
Sunil Kumar Cyriac	LL.M	Assistant Professor	Law of Crimes and Torts	16	Nil
Jasmine Alex	LL.M, Ph.D	Assistant Professor	Law of crimes and Constitutional Law	11	1

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Senior Visiting Fellows

Name	Qualification	Specialization
1.	Dr.V.D Sebastian (Former Director, School	Constitutional Law
	of Indian Legal Thought and Adjunct	
	professor, KIITs, Bhubanshwar	
2.	Prof.Vikraman Nair, Former Director, School	Constitutional Law
	of Indian Legal Thought	
3.	Prof.Markus (Former member, Law	Criminal law
	Commission of India)	



Guest faculty

Name	Qualification	Specialization	No. of Year of experience
1. Adv K.N Somanathan	LLM	Administrative Law	26
2.Adv Balasubramania Pillai	LL.M	Commercial law	25
3.Adv . Sunny George	LL.M	IPR	20
4. Adv Jissa mol P.R	LL.M	Human Rioghts	10
5 Adv.Manju E .George	LL.M	IPR	10
6. Adv Cicy Joseph	LL.M	Contract & Human Rights	10
7. Adv Dimle Raj	LL.M	IPR	8
8. Adv. Ajithakumari	LL.M	Human Rights	8
9. Dr. K.Sharafudeen	LL.M	Constitutional Law	8
10. Adv. Smitha	LL.M	Contract	5
11 Adv. Simi John	LL.M	Human Rights	5
12. Adv. Bessy Achamma	LL.M	Human Rights	2
13. Adv. Baisemol Baby	LL.M	Labour Law	2
14. Adv. Laya Bhaskar	Ll.M	Administrative Law	2
15. Adv. Jayareshmi	LL.M, M. Phil	Human Rights	8
16. Nimmi	M.A	English	2
17. Hallema .A	M.B.A	Management	2
18. Vimal Kumar	M.B.A.	Management	2

13. Percentage of classes taken by temporary faculty – programme-wise information

BBA LL.B	50 % of classes
3yr LLB	80% of classes
LL.M	20% of classes

14. Programme-wise Student Teacher Ratio

BBA LL.B	9:1
3yr LLB	8:1
LL.M	3:1
Ph.D.	2:1



15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support staffs	Sanctioned	Filled and Actual
Technical	4	2
Administrative Staff	5	4

- 16. Research thrust areas as recognized by major funding agencies
 - Environmental Law
 - Administrative Law
 - Constitutional Law
 - Criminal Law
- 17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil
- 18. Inter-institutional collaborative projects and associated grants received

a) National collaboration: Nil

b) International collaboration: Nil

- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received : Nil
- 20. Research facility / centre with

State Recognition	Regular Department Of Mahatma Gandhi
	University
National Recognition	Yes (Recognition by Bar Council of India (Reg. No
_	BLI/LE/SILT/ Kottayam /MGU/ 2002
 International 	Nil
Recognition	

21. Special research laboratories sponsored by / created by industry or corporate bodies

The School has developed the following bodies for the benefit of students and public.

- Legal aid clinic
- Moot court
- Mock trail
- Legal literacy classes



22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	30
2.	Monographs	Nil
3.	Conference Proceedings	Nil
4.	Chapters in Books	Nil
5.	Edited Books	Nil
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
	Total	30

• Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil

Citation Index – range / average : Nil
SNIP : Nil
SJR : Nil
Impact Factor – range / average : Nil
h-index : Nil

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated:

- Yes, free legal aid service to the public.
- Classes are taken by the faculty in various institutions on various legal aspects without receiving remuneration.

25. Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad

National Seminar

Dr.Rajeesh A P	1.	Chaired a session at the National Conference on
		Changing Role of Media in India – Constitutional
		Perspectives on 20th February 2014.
Dr.Sheeba Pillai	2.	Resource person for the third Faculty Development
		Programme, Academic Staff College, Christ
		University Bangalore on 9 th November 2012.



	3.	Chaired a session at the National Conference on
		Changing Role of Media in India – Constitutional
		Perspectives on 20 th February 2014.
	4.	Lecture presented as a mentor of Walk with the
		Scholar Programme organised by the Union Christian
		College Aluva on 19 th March 2016.
Mr.Sunil Kumar Cyriac	1.	2011 -12 Invited Lecture in the national Seminar
		organised by P.G. Department of Political Science St.
		Thomas College Pala on 22 nd and 32 March 2012.
	2.	2015 -2016, chaired a session in the national Seminar
		on Waste management organised By Govt Law
		College Ernakulam during 16 th – 18 th March 2016
Dr.Jasmine Alex	1.	Invited Lecture in legal awareness programme for
		Higher secondary School students of C.M.S. College
		kotayam on 29/10/2015
	2.	Delivered an invited Lecure in Constitution awareness
		progamme for the higher secondary students of
		Vidyadhiraja Vidyabhavan, Kottayam on 26/11/2015.
	3.	Delivered an invited Lecure in Human Rights
		awareness progamme under the auspices of N.S.S.,
		Mahatma Gandhi University at School of Behavioural
		Science on 10/12/2015.

26. Faculty serving in

- a) National committees Nil
- b) International committees Nil
- c) Editorial Boards- 8

Dr.Sheeba Pillai	 Journal of Law and Legal Jurisprudential Studies Journal of School of Indian Legal Thought
Dr Rajeesh A.P.	 Journal of Law and Legal Jurisprudential Studies Journal of School of Indian Legal Thought
SuNil Kumar Cyriac	Journal of School of Indian Legal Thought
Dr. M.C. Pramodan	Journal of School of Indian Legal Thought
Dr. Jasmine Alex	Journal of School of Indian Legal Thought
Dr. Gigi.P.V	Journal of School of Indian Legal Thought

d) any other (please specify) : Nil



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

2011-2012	
2011-2012	 Gigi P.V, Participated in the Inter Disciplinary National Workshop on Women and Law organized by His Highness Maharajas Government Law College, Ernakulam on February 2011 Jasmine Alex participated in National Workshop on Forensic Science in Investigation and Trial held at GLC, Ernakulam during 23-25, January, 2012 Sri SuNil Kumar Cyriac Attended Inter disciplinary national workshop on forensic science in investigation and trial, conducted by His Highness the Maharaja's Government Law College, Ernakulam, from 23rd to 25th January 2012 Dr George Joseph attended Three Day ICRC South Indian Regional Teacher's Training Programme on International Humanitarian Law
	organised jointly by the Dept. of Studies in Law, University of Mysore and the International Committee of the Red Cross, Regional Delegation for South Asia New Delhi. 28-30th, May 2012 at Mysore, Karnataka 2. Dr George Joseph attended UGC sponsored Refresher Course in Human Rights conducted by the UGC Academic Staff College, Calicut from 28.09.2012 to 18.10.2012. 3. Sri Rajeesh A.P participated in the 2 day orientation programme for teachers / counsellors on women empowerment organized by Department Student Services at IMA hall, Kottayam on 7th September, 2012 4. Sri Rajeesh A.P participated in the Refresher Course in Human Rights (Interdisciplinary) conducted by UGC – Academic Staff College, University of Calicut, from 28/09/2012 – 18/10/2012 and obtained A grade 5. Sri Sunil Kumar Cyriac attended the UGC sponsored refresher course 28th September-18 October 2012 –University of Calicut obtained 'A 'Grade 6. Smt Jasmine Alex attended UGC Sponsored Orientation Programme for Teachers/Counsellors on Women Empowerment organised by Department of Student Services, Mahatma Gandhi University on 7th September 2012
	7. Smt Jasmine Alex attended training programme for Law teachers on Curriculum Reforms held by State Higher Education Council and School of Legal Studies, CUSAT during 28th May -1st June 2012 at School of Legal Studies, CUSAT
2013-14	1. Dr George Joseph participated in the Professional Development Training for Law Teachers on 'Law Teaching and Future of Legal Education', organized by IBA-Chair on Continuing Legal Education, National Law School of India University, Bangalore and Menon Institute of Legal Advocacy Training, Trivandrum at Mar Gregorios College of Law, Trivandrum, from 09-12 October 2013.



	2. Dr M.C Pramodan attended National Workshop on Right to						
	Emergency Care, Centre for Health Law and Policy, NUALS,						
	Kochi, August 2014						
	3. Dr Rajeesh A.P participated in the 2 day Orientation Programme						
	• • • • • • • • • • • • • • • • • • • •						
	for teachers / counsellors on 'Women Empowerment' organized by						
	Department Student Services at IMA Hall, Kottayam on 7th						
	September, 2012						
	4. Sri Sunil Kumar Cyriac attended two Day National Workshop for						
	Training of Trainers on challenges in law teaching, Research and						
	Administration in government law colleges in Kerala, conducted						
	by His Highness The Maharaja's Government Law College,						
	Ernakulam, from 10th & 11th January 2014.						
	5. Jasmine Alex attended Orientation Programme on Managing						
	Diversity and Equity in Universities and Colleges organised by the						
	Department of Educational Administration, National University of						
	Educational Planning and Research, New Delhi during 02-06 Dec.						
	2013						
2014-15	1. Dr Sheeba Pillai participated in one day training programme on						
	'Cyber crimes-legal and Forensic Issues' conducted by National						
	Law School of India University, Bengalaru with Mar Gregarios						
	College of law on 1st March, 2015.						
	Jasmine Alex attended a workshop for Law Teachers on Teaching						
	and Research in IPR organized by the Inter University Centre for						
	IPR Studies held at Cochin University of Science and Technology						
	during 5-6 May 2014						
2015-2016	1. Dr George Joseph participated in the Professional Development						
	Training for Teachers on "Teaching ADR Skills And Ethics For						
	Better Legal Services" Organized by IBA-CLE Chair National						
	Law School of India University, Bangalore and Menon Institute						
	of Legal Advocacy Training, Trivandrum in association with VM						
	Salgaocar College of Law, Panaji, Goa from 2-6 December 2015						
	2. Jasmine Alex participated in the Faculty Development						
	Programme held by Mahatma Gandhi University from 30th July						
	2015 to 12th August 2015						
	3. Dr Sheeba Pillai, Dr. Rajeesh A.P., Dr. Gigi P.V., Dr. George						
	Joseph and Sri. SuNil Kumar Cyriac participated in a National						
	Workshop on Cyber Crimes and Cyber Laws conducted by						
	School of Indian Legal Thought on 27 th and 28 th , February, 2015.						
	4. Sri Sunil Kumar Cyriac participated in the two week Faculty						
	Development Programme organised by Mahatma Gandhi						
	University from 30th July to 12th August 2015.						
	5. Dr. Rajeesh. A.P. participated in the two week Faculty						
	Development Programme organised by Mahatma Gandhi						
	University from 30th July to 12th August 2015.						



28. Student projects

 percentage of students who have done in-house projects including 	100% of P.G.
inter-departmental projects	students.
• percentage of students doing projects in collaboration with other	None
universities industry / institute	

29. Awards / recognitions received at the national and international level by

Faculty: International

Dr. George Joseph,	Prestigious award of Scroll of Honour from the International Council				
Assistant Professor	of Jurists London, 2014, taking into account his contributions in				
	International Law, Academic year 2013 -2014				

National

Dr. George Joseph,	Sevanaratnam	Puraskaram,	2011	from	Nethaji	Smaraka	Samathi
Assistant Professor	Trivandrum						

Students: International

Anathakrishnan A Kartha	Best Mooter award in the One week Summer School				
BBA. LL.B, student	Programme organised by European College of Law and				
	Common Wealth Legal Education Association at London				
	(2015 -2016)				

National:

Department students	Best Team award, in the National Competition on Alternative
team	Dispute Redressal Mechanism held at Govt. Law College
team	
	Ernakulam. (Academic year 2012 -2013)
Department students	The best script memorandum, in the National Competititon on
team	Alternative Dispute Redressal Mechanism held at Govt. Law
	College Ernakulam. (Academic year 2012 -2013)
Department students	Runner up in the in NALAM 2015 conducted by NUALS,
team	(Academic year 2015 -2016)
Department students	Winner, in the Ratio Decidendi Judgment Analysis Competition
team	organized by Bharat Matha School of Legal studies rganized in
	2015
Gayathri K.	Winner of best article containing anti drug theme instituted by the
-	Excise department, GOK for the year 2016
Department Students	Selected for the Best magazine on the theme Anti-Drugs
Union magazine	Campaign by the Excise Department, GOK, for the year 2016.



30. Seminars/Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any.

2011 2012	7th N-4'1 M-4 C1
2011–2012	7 th National Moot Court has been successfully organized.
	Conducted National Seminar on Rights of Children during 23 rd – 25 th
	February 2012. Around 210 participants from all over India participated in
	the Seminar and around 75 papers were presented and discussed.
	Dr. Ambedkar Memorial Lecture has been delivered by Dr. N.S.
	Gopalakrishnan (Prof. HRD Chair on IPR and Director, Inter University
	Centre for IPR Studies on 29th and 30 th March 2012
2012 - 2013.	8 th National Moot Court competition has been successfully organized
	during 14-16 th Feb,2013
	National seminar on family as an Institution: Modern realities and Trends
	in law was conducted on 28 th Feb to 2 nd march 2013
	Dr Ambedkar Memorial lecture has been delivered by Dr
	Chandrashekharan Pillai, former Director, National Judicial Academy on
	12 th Sept 2013
	Legal Literacy mission in kudumbasree units
2013 - 2014.	9th National Moot Court has been conducted during February 20th and
	22nd of February 2014.
	Dr. Ambedkar Memorial Lecture has been delivered by R. Venkatramani
	(Senior Advocate of Supreme Court of India & Member of Law
	Commission of India) on the topic of Constitutional Dharma and
	Contemporary Challenges,march 2014.
	Legal literacy mission in various schools and collegesin Kottayam district
	Dr. Ambedkar Memorial Lecture has been delivered by Hon. Dr. Justice
2014 - 2015	B.S. Chauhan (Chairman Cauvery Water Dispute Tribunal and Former
	Judge of Supreme Court of India) on 29th February 2015 on the topic of
	Judicial Activism and Judicial Restraint.
	Two Day National Seminar on the topic of Farmers Right in the
	Liberalised Economy: Perspectives and Trends was conducted during 27th
	and 28th March 2015.
	Legal literacy mission carried out in various panchayats and schools
2015 -2016	Dr Ambedkar Memorial Lecture was delivered by Prof Dr Sivakumar, Prof
	Indian law Institute, New Delhi on 30 th March ,2016.
	Hon'ble Justice V.Eswariah, Chairperson, National Commission for
	Backward Classes and Former Chief Justice High Court of Andhra
	Pradesh delivered a lecture on "Free Press and Independent Judiciary" on
	18.12.2015
	A National Workshop on Cyber-crimes and Cyber laws was organised by
	School in association with CMAI Association of India on 27th and 28th
	February 2016
	A National Seminar on Access to health Care in Modern Era: Changing
	Dimensions, was organised by the School on 13-15th March,2016



31. Code of ethics for research followed by the departments

The research topic is discussed and approved by the doctoral committee consisting of all the permanent faculty. The researchers are given opportunities to publish articles in their respective research areas in the department journal. Measures are taken to counter plagiarism. Half yearly reports of the research scholars are scrutinised with the help of external experts. Measures are taken to complete the research on time.

32. Student profile programme-wise:

Name of the		Selected		Pass pe	rcentage		
Programme (refer to question no. 4)	Applications received	Male	Female	Male	Female		
BBA. LL.B (Hons)							
2011- 12	110	11	19	90%	95%		
2012- 13	256	11	18	38%	62%		
2013- 14	261	14	17	45%	55%		
2014- 15	319	5	25	17%	83%		
2015- 16	472	13	17	43%	57%		
	L	L.B 3 year					
2011- 2012.	85	28	4	88%	22%		
2012- 2013	119	37	6	86%	24%		
2013- 2014.	180	43	7	84%	26%		
2014- 2015.	96	32	7	82%	28%		
2015- 2016	165	35	14	71%	29%		
	LL. N	1 Program	me				
2011-2012.	39	4	14	22%	88%		
2012-2013.		<u> </u>					
2013-2014.	34	5	13	28%	72%		
	52	2	17	11%	89%		
2014-2015.	Through CAP cell	3	11	21%	79%		
2015-2016.	Through CAP Cell	2	3				



33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
• LL.B-3year	66	30	4	Nil
BBA, LLB -5 year	Nil	52	48	Nil
• LL.M	50	47	3	Nil
• Ph.D.	67	33	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	UGC NET	SET/SLET	State PSC	Any others	Total
2010-11	1				
2011-12	-				
2012-13	2				
2013-14	2				
2014-15	4				
2015-16	1				
Total	10				

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	60%
PG to M.Phil.	-
PG to Ph.D.	25%
Ph.D to Post-Doctoral	Nil
Employed	100%
Entrepreneurs	



36. Diversity of staff:

Percentage of faculty who are graduates				
Of the same University	17			
From other universities within the State from	83			
Universities from other States from	0			
universities				
Outside the country 0%	0			

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: 3

Add category wise

M.Phil.	Name of the Faculty		
Ph.D.	Dr Rajeesh A.P,		
	Dr Jasmine Alex,		
	Dr Gigi P.V		

38. Present details of departmental infrastructural facilities with regard to

a) Library	Yes, 10518 books
b) Internet facilities for staff and studentsc) Total number of class rooms	23 computer in the computer lab 6 computers for faculty 2 computers in the library 5 for office All computers have internet facilities The school has adequate facilities for teaching and learning. All together the school has 17 lecture
	halls for imparting training to the five year BBA, LLB, LLB 3year course and LLM courses offered by the school. Apart from the above lecture halls we also have a smart class, one seminar hall, Auditorium, computer lab, and a well-furnished moot court hall for effectively imparting legal training. A legal literacy club and legal aid clinic is also functioning in the school.
d) Class rooms with ICT facility	1
e) Students' laboratories	1 computer lab with 23 computers
f) Research laboratories	Nil



39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/universityb) From other institutions/universities: 01: 03

Period: 2011-16

Sl. No:	Name of the doctoral students	Name of the Guide
1.	K.Sudhakaran	Dr. Sukumari Antharjanam
2.	Ahmad Iqbal	Dr.M. George Joseph
3.	Dr Rajeesh A.P	Dr. M.C. Pramodan
4.	SuNil Kumar cyriac	Dr. Sheeba Pillai
5.	Gigi P.V	Dr. K.Vikraman Nair
6.	Jasmine Alex	Dr. K. vikraman Nair
7.	E.R Jayaram	
8.	Deepthi U	Dr. Sheeba Pillai
9.	Krihnakumar G	Dr. Sukumari Antharjanam
10.	Sheraffudin	
11.	Jaisy T	Du M. Caanga Iasanh
12.	Jose A.D	Dr.M. George Joseph
13.	George Zacharriah	
14.	Soman P. Mamkuttathil	Dr. Sukumari Antharjanam
15.	SuNil Gladson	Dr. K.Vikraman Nair
16.	Mercy Thekkekkara	Dr. K. Parameswaran
17.	Kalam Pasha	Dr.M. George Joseph
18.	Anitha L.P.	Dr.M. George Joseph
19.	Juby K Mariam	Dr. Sheeba Pillai
20.	Asok Kumar. A	Dr. Sheeba Pillai
21.	Sumayya. H	Du M. Caanga Jasank
22.	B. Ramachandran	Dr.M. George Joseph
23.	Priyanka Prasad	Dr. Jasmine Alex
24.	Thilakanandan	Dr. K. Parameswaran
25.	Merin Thaliath	Dr. Jasmine Alex
26.	Joseph. K.D	Dr. Jasmine Alex
27.	Neethi Chacko	Dr.M. George Joseph
28.	Nikhilesh. N	Dr. Jasmine Alex

Year	Sl. No:	Name
	1.	K.Sudhakaran
	2.	Ahmad Iqbal
	3.	Dr Rajeesh A.P
	4.	SuNil Kumar Cyriac
	5.	Gigi P.V
From 2011-2016	6.	Jasmine Alex
	7.	E.R Jayaram
	8.	Deepthi U
	9.	Krihnakumar G
	10.	Sheraffudin
	11.	Jaisy T



	12.	Jose A.D
13.		George Zacharriah
	14.	Soman P. Mamkuttathil
	15.	SuNil Gladson
	16.	Mercy Thekkekkara
	17.	Kamal Pasha

40. Number of post graduate students getting financial assistance from the university:

Financial assistance is given in the form of e –grants:

- In the year 2011 2012, 8 students were getting financial assistance (4 male and 4 female)
- In the year 2012 2013, 8 students were getting financial assistance (3 male and 5 female)
- In the year 2013 2014, 6 students were getting financial assistance (1 male and 5 female)
- In the year 2014 2015, 3 students were getting financial assistance (male –Nil 3 female)
- In the year 2015 2016, 3 students were getting financial assistance (1 male and 2 female)

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

After getting feedback from the Bar, former students, parents and the faculty of the institution the UG programme BBA. LL.B (Hons.) was revised in accordance with Bar Council Norms. The PG (LL.M) programme was revised as per the U.G.C. norms.

42. Does the department obtain feedback from

1 '	Department uses the feedback for improving the content of teaching learning process.
	Department collects feedback from students and uses the feedback for improving the curriculum and teaching.
c) Alumni and employers on the programmes offered and how does the department utilize the feedback?	Feedback is collected in the alumni meeting.



43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position
1.	Dr. O K Narayanan	Member, Central Income Tax Appellate Tribunal
2.	Abraham P George	Member, Central Income Tax Appellate Tribunal
3.	Dr. Anitha Anoop	General Manager, Securities and Exchange Board of
<i>J</i> .		India, Bombay
4.	Prof. Dr. Liza P	Professor, Indraprastha University, New Delhi
4.	Lukose	
5.	Asha Treesa	Corporate Lawyer, Singapore
6.	Markose Thomas	Inhouse Lawyer, Singapore
7.	Dr. Unni VR	Associate Professor IIT, Kharagpur
8.	Ms. Arathi Ashok	Assistant Professor, Cochin University of Science and
0.		Technology
9.	Dr. Anish V Pillai	Assistant Professor, Department of Law, Cochin
9.		university of Science and Technology
10.	Reshma Sasidharan	Munsiff /Magistrate, Thiruvananthapuram

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Weekly seminars are part of our curriculum. Special Lectures like Ambedkar Memorial Lecture is conducted in every year. National seminars & National moot courts are conducted in every year.

7th National Moot Court has been successfully organized.

Conducted National Seminar on Rights of Children during 23rd – 25th February 2012. Around 210 participants from all over India participated in the Seminar and around 75 papers were presented and discussed.

Dr. Ambedkar Memorial Lecture has been delivered by Dr. N.S. Gopalakrishnan (Prof. HRD Chair on IPR and Director, Inter University Centre for IPR Studies on 29th and 30th March 2012

8th National Moot Court competition has been successfully organized during 14-16th Feb, 2013

National seminar on family as an Institution: Modern realities and Trends in law was conducted on 28^{th} Feb to 2^{nd} march 2013

Dr Ambedkar Memorial lecture has been delivered by Dr Chandrashekharan Pillai, former Director ,National Judicial Academy on $12^{\rm th}$ Sept 2013

Legal Literacy mission in kudumbasree units

9th National Moot Court has been conducted during February 20th and 22nd of February 2014.

Dr. Ambedkar Memorial Lecture has been delivered by R. Venkatramani (Senior Advocate of Supreme Court of India & Member of Law Commission of India) on the topic of Constitutional Dharma and Contemporary Challenges, march 2014.

Legal literacy mission in various schools and colleges in Kottayam district

Dr. Ambedkar Memorial Lecture has been delivered by Hon. Dr. Justice B.S. Chauhan (Chairman Cauvery Water Dispute Tribunal and Former Judge of Supreme Court of India) on 29th February 2015 on the topic of Judicial Activism and Judicial Restraint.

Two Day National Seminar on the topic of Farmers Right in the Liberalized Economy: Perspectives and Trends was conducted during 27th and 28th March 2015.



Legal literacy mission carried out in various panchayats and schools

Dr Ambedkar Memorial Lecture was delivered by Prof Dr Sivakumar, Prof Indian law Institute, New Delhi on 30th March ,2016.

Hon'ble Justice V.Eswariah, Chairperson, National Commission for Backward Classes and Former Chief Justice High Court of Andhra Pradesh delivered a lecture on "Free Press and Independent Judiciary" on 18.12.2015

A National Workshop on Cyber-crimes and Cyber laws was organised by School in association with CMAI Association of India on 27th and 28th February 2016

A National Seminar on Access to health Care in Modern Era: Changing Dimensions, was organised by the School on 13-15th March,2016

45. List the teaching methods adopted by the faculty for different programmes.

In addition to the conventional teaching methods, assignment method, case law method, group discussion method are also followed. ICT enabled smart class room is used for teaching based on power point presentation.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Feedback from our former students and the bar helps us to constantly monitor and upgrade our programme.

47. Highlight the participation of students and faculty in extension activities:

Participated in legal literacy and legal aid camps- More than 100 in number during this period.

- **48. Give details of "beyond syllabus scholarly activities" of the department :** Moot Courts, Mock Trials, Weekly Seminars, activities of legal Aid Clinics
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- New emerging area are identified by the department for project work and seminars presented by the students.
- Students and faculty are encouraged to contribute to the dept journal with emphasis on newer areas of research.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Alumni placed in high offices and serving the society in different capacities.
- 90% of faculty are PhD holders.
- Teacher-Student ratio is high, so that every student gets attention.
- Legal aid and legal literacy.
- Mock Trials and Moot Court Exercises.

Weaknesses

- Lack of hostel facilities.
- Lack of sufficient Faculty.
- Lack of enough international journals.
- Problems due to distance from the main campus.
- Lack of international students.



Opportunities

- Emerging importance of legal education in the backdrop of globalisation.
- Increasing number of law firms.
- Increasing importance of alternate dispute redressal mechanisms.
- Higher placement opportunities with the help of successful alumni.
- Tremendous opportunities for students to get placed in different sectors.

Challenges

- Student unrest and politics.
- Lack of collaboration with foreign universities.
- Lesser focus on research and funded projects as the focus is more on legal education.
- Competition among law schools.
- Lack of national/international networking and student exchanges.

52. Future plans of the department.

- To become a premier institute for legal studies in the region.
- Mandatory Internship programmes of 20 weeks for undergraduate students.
- To ensure university hostel facilities for students.
- The Department proposes to take up major projects
- To build up International Collaborations
- To set up an Alternate Dispute Redressal Centre



SCHOOL OF INTERNATIONAL RELATIONS AND POLITICS

1.	Name of the Department	:	School of International Relations and Politics			
2.	Year of establishment	:	1983			
3.	Is the Department part of		Yes,			
	a School/Faculty of the University?	:	Faculty of Soc			
4.	Names of Programmes		M.A Politics			ations
	offered (UG, PG, M Phil,		M.A Politics a		_	
	Ph.D., Integrated Masters; Integrated Ph.D., DSc.,		M.A Politics (•		, and the second
	D.Litt., etc)	•	MPhil Politics			elations
	D.Ditt., etc)		Ph.D Internati			
_	Tutoudiaci-1!	_	Programmes a		`	,
5.	Interdisciplinary	:	_			sciplinary in nature. in one way or the
	programmes and departments involved		1 0			social sciences. In
	acparaments involved					other disciplines.
			_			themselves abreast
			_	_		disciplines which
			have a bearing			
6.	Courses in collaboration	:				the School are in
	with other universities,					Jinan University,
	industries, foreign		China. Two institutions, Institute of Political Studies,			
	institutions, etc		Rennes, and Institute of Political Studies Bordeaux,			
			France permit students to undergo two semesters of instruction at the School.			
7.	Details of programmes	:	Nil			
'	discontinued, if any, with	·				
	reasons					
8.	Examination System	•	Semester (Ch	noice Based (Credit S	ystem)
9.	Participation of the					s part of the Credit
	department in the courses					s of other Schools.
	offered other departments	:	Students from this school also enrol for courses offered by other Schools.			
10.	Number of teaching posts,		offered by offi	Sanctioned	Filled	Actual(including
10.	sanctioned, filled and			Sanctioned	1 IIICu	CAS & MPS)
	actual			1	0	2
	(Professors/Associate	:	Professor			
	Professors/Asst.		Associate	0	0	0
	Professors/others)		Professors			
			Asst.	6	4	0
			Professors			
			Others	-	-	-



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. Students guided for the last 6 Years
Dr. A.M. Thomas	M.A, M Phil Ph.D	Professor	American Studies, International Relations	32	M.Phil – 9 M.Phil.on-going-1 Ph.D. awarded- 0 Ph.D. on-going- 7
Dr. K.M. Seethi	M.A, Ph.D	Professor	South Asian Studies, IR Theory	32	M.Phil – 5 M.Phil.on-going-2 Ph.D. awarded- 3 Ph.D.on-going-11
Dr. R. Girish Kumar	M.A, Ph.D	Assistant Professor	International Political Economy	10	M.Phil – 5 M.Phil.on-going-1 Ph.D. awarded- 4 Ph.D.on-going-6
Dr. C. Vinodan	M.A, Ph.D	Assistant Professor	South Asia, Energy and Security Studies	10	M.Phil – 11 M.Phil.on-going-1 Ph.D. awarded- 4 Ph.D.on-going-13
Dr. Bijulal M.V	M.A, MPhil, Ph.D	Assistant Professor	West Asian Studies, Human Rights	6	M.Phil – 9 M.Phil.on-going-1 Ph.D. awarded- Ph.D.on-going-4
Lirar Pulikkalakath	M.A, MPhil	Assistant Professor	West Asian Studies, Refugee Studies	5	M.Phil – 3 M.Phil.on-going-1 Ph.D. awarded- 0 Ph.D.on-going-0

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl. No.	Name	Visiting Fellows/Adjunct	Specialization
		faculty/ Emeritus professors	
1.	David G. Baker	Fulbright Senior Specialist,	United States
		Independent Scholar, North	Politics
		Carolina, USA, 2012	
2.	Steven Hook	Scholar- in- Residence,	United States
		Professor of Political Science,	Foreign Policy
		Kent State University, Ohio,	
		USA.	



3.	V. Suryanarayan	Nelson Mandela Chair for	South and South
٥.	v. Suryanarayan	Afro- Asian Studies	East Asia, Diaspora
4.	T.V. Paul	Scholar- in- Residence,	South Asia/ Foreign
7.	1. v. i aui	McGill University, Canada	Policy
5.	Jane Knight	International Education	International
J.	Jane Kingh	Specialist, Toronto, Canada.	Education
6.	Jia Haitao	Director, Centre for Chindian	China
0.		Studies, Jinan University,	Cima
		China.	
7.	Tim Niblock	Professor, University of	West Asia
/ •	Tim Tylolock	Exeter, UK.	West Hista
8.	Tom Travis	Professor, Bucknell	United States
0.	Tom Havis	University, USA.	omica states
9.	Harry Blair	Professor, Yale University,	Indian Studies
	Trairy Brain	USA.	
10.	Rajiv Bhatia.	Former Ambassador	Indian Foreign
	.5		Policy
11.	K.P. Fabian	Former Ambassador and KPS	Diplomacy
		Menon Chair	
12.	Rakli Kakabadze,	Professor, Cornell University,	Peace and Human
		USA.	Rights
13.	Walter Russel Mead	Professor, Bard College, USA.	US Foreign Policy
14.	A.K. Ramakrishnan	Professor, Jawaharlal Nehru	West Asia
		University, New Delhi	
15.	Wardlow Friesen	Professor, University of	Political Geography
		Auckland, New Zeeland.	
16.	Philippo Osella	University of Sussex	Social
			Anthropology
17.	Takashi Teramto	Hiroshima, Japan	Atom bomb
			survivor
18.	Pierre Fournier	Consul General of France,	Diplomacy
10	T 0 1	Pondicherry	D 11:1 1 C
19.	Joe Szabo	United States	Political Cartoonist
20.	Peter N Varghese	High Commissioner of	Diplomacy
0.1	T 'C N/ 11	Australia	0 11 14
21.	Jennifer Macklem	Professor, University of	Socio linguistics
22	Vince 1 C VI. suns	Ottawa, Canada	D:-1
22.	Vinod C Khanna	Former Diplomat	Diplomacy
23.	M.P Joseph	International Labour	Labour
24	Daniel Levy	Organaisation, Cambodia	International
24.	Daillei Levy	State University of New York	Relations
25.	Joseph D Erroy	NVIT United States	International
23.	Joseph D Frey	NYIT, United States	
26	Thomas Abraham	Former Ambassador of India	Technology
26.	THOMAS AUTAMAM	Former Amoassador of India	Diplomacy

27.	D Babu Paul	Former Additional Chief	Public
27.	D Duou I uui	Secretary, Kerala	Administration
28.	M Ananda Krishnan	Chairman, IIT, Kanpur	Education
29.	Linda Parker	United States Embassy	Diplomacy
30.	Sheshadri Chari	Politician	Indian Politics
31.	Ranjan Mathai	Foreign Secretary, India	Diplomacy
32.	Girijesh Pant	Jawaharlal Nehru University,	West Asian
	3	New Delhi	Economics
33.	Adam K Webb	Johns Hopkins University, Nanjing Centre, China	Globalization
34.	Mani Shankar Aiyar	Member of Parliament	Indian Politics
35.	Bharat Bhushan	Journalist	Indian Politics
36.	John Samuel	Adviser, United Nations Development Programme	Globalization
37.	Roop Singh Bareth	Former Vice Chancellor, MDS University, Ajmer	Indian Politics
38.	Jay Wang	High Commission of Singapore	Diplomacy
39.	Pandav Nayak	Former Vice Chancellor, Utkal University	Indian Politics
40.	Achin Vanaik	Political Scientist	Nationalism
41.	Boris Kagarlitski	Political Scientist, Moscow	BRICS
42.	Ravindra K. Jain	Former Professor, JNU, New Delhi	Diaspora
43.	Shobita Jain	Former Prof. , IGNOU, New Delhi	Women's Issues

13. Percentage of classes taken by temporary faculty – programme-wise information:

MA	30 %
MPhil	Nil
Ph.D	Nil

14. Programme-wise Student Teacher Ratio:

MA	5:1
MPhil	1: 1
Ph.D	7: 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled and actual
Technical	1	1
Administrative Staff	4	4



Administrative Officer : 1/1
Administrative Assistant : 1/1
Typist : 1/1
Peon : 1/1
Librarian : 1/1
Casual labour/ Staff : 2

16. Research thrust areas as recognized by major funding agencies:

- Human Rights
- Public Policy and Governance
- Chinese Studies
- Rural Employment.

17. Number of faculty with ongoing projects from a) National b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

a) National

SL.No	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)
1.	WTO, TRIPS and South Asia	2014-17	UGC	8.70
2.	Terrorism and Nuclear deterrence in South Asia: A Study on the Issues and Challenges in India's National Security Strategy	2010-12	ICSSR	3.93
3.	Major Research Project on "Statelessness, Citizenship and Human Security: A Study on the Repatriated Tamils in Kerala"	2011-13	ICSSR	5.26
4.	Promoting India Study Programme in Mahatma Gandhi University	2014-15	Kerala State Higher Education Council	9.78

b) International funding: Nil

c) Total grants received: `27.67 Lakhs



18. Inter-institutional collaborative projects and associated grants received (2010-2016)

a) National collaboration

SL.No	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)
1.	Paddy Culture in Kuttanad, Kerala: Folk Traditions, Rituals and Festivals	2012-14	Indira Gandhi International Centre for the Arts	4.30
2.	MGNREGS Assessment Evaluation Study- Eranakulam District.	2013-15	State Institute of Rural Development	5.40
3.	MGNREGS Assessment Evaluation Study- Pathanamthitta District.	2013-15	State Institute of Rural Development	5.40
4.	MGNREGS Assessment Evaluation Study- Kollam District.	2013-15	State Institute of Rural Development	5.40

b) International collaboration : Nil

Total grants received: ₹ 20.5 lakhs

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.;

total grants received.

(2010-16 funds received)

SL.No	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)
1.	(MA Public Policy and Governance)	2010-15	UGC	21.00

20. Research facility / centre with

• State recognition :Yes

• National recognition :Yes

• Inter National recognition :Yes



21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	41
2.	Monographs	3
3.	Conference Proceedings	3
4.	Chapters in Books	20
5.	Edited Books	1
6.	Books authored with ISBN	6
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	38
	Total	112

a) Number listed in International Database (For e.g. Web of Science, Scopus,

Humanities International Complete, Dare Database - International Social

Sciences Directory, EBSCO host, etc.) : 18

b) Citation Index – range / average : NA

c) SNIP : NA

 \mathbf{d}) SJR :

e) Impact Factor – range / average

: NA

f) h-index

: NA

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated:

SL. No	Description	Income generated (₹ in Lakhs)
1.	Consultancy Projects in collaboration with State Institute for Rural Development, Government of Kerala, Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS)	16.20

25. Faculty selected nationally / internationally to visit other laboratories / institutions Industries in India and abroad

a) National:53

Name of the faculty	Name of the university/industry	Date	Purpose
v	United States Embassy, New Delhi, and Osmania University Centre for International Programmes, Hyderabad	29-30 March 2010	Participation
	Alphonsa College, Pala	1-2 February 2011	Participation
	United States-India Educational Foundation, Chennai	22-23 February 2011.	Participation
A.M. Thomas	United States-India Educational Foundation, St Thomas College, Pala.	27-28 July 2011	Presided over Inaugural Session
	K.R.Narayanan Study Centre, St Stephen's College, Uzhavoor	15-16 December 2011.	Paper presentation
	Observer Research Foundation, The Stimson Center and United States Consulate, Chennai, Kochi	12 June 2014.	Participation
	Mar Thoma College	21-22 January 2016.	Paper presentation
	University of Kerala	2010-17	External examiner for Ph.D
	University of Calicut	2016	Paper presentation
	HCU	2010-17	Resource person. External examiner
K M Seethi	Jamia Milia Islamia	2010-17	External examiner for Ph.D
	JNU, New Delhi	2010-17	External examiner for Ph.D
	Manipal University	February 2017	Paper presentation
	S.N. College, Kollam	January 2017	Keynote address

-			
	Payannur College	1 st February, 2014	Valedictory Address
	Pondicherry University	14.02.2013	Paper presentation
Girish	Pathanamthitta	September 19 th 2012	Workshop
Kumar R	UNESCO Chair for Peace and Intercultural Understanding, Malaviya Centre for Peace Research, Banaras Hindu University & Public Affairs Section, U.S. Embassy, New Delhi at Benares Hindu University	September 20-21, 2012	All-India American Studies Workshop
	IMG, Thiruvananthapuram.	2012	Paper presentation
	2 nd International Conference, SDMIND Institutee for Management and Development, Mysore during 18-19 November, 2016.	18-19 November, 2016.	Paper presentation
C. Vinodan	Political Science and Publication Wing, Annamalai University	29-30 March, 2016.	Paper presentation
	Department of Law, Central University of Kerala	March 17, 2016	Paper presentation
	Post- Graduate and Research Department of Political Science, Sree Narayana College, Kollam	30-31 January 2015.	Paper presentation
	UGC Centre for South East Asian& Pacific Studies, Sri Venkateswara University, Tirupati	30-31 January 2015.	Paper presentation
	Dept. of International Relations, Central University of Kerala	20-22,2013	Paper presentation
	(UMISARC) Pondicherry University	February 14-16, 2013	Participation in international Conference
	Department of Defense and Strategic Studies, Punjab University	March 4-6, 2011.	Paper presentation
	Department of International Relations, Central University of Kerala, Kasargode	March 2014.	To deliver invited lectures
	CDS, Thiruvananthapuram	2011	Paper presentation
Bijulal M.V	IGNOU, New Delhi	2011	Paper presentation
	Pondicherry University	2011	Paper presentation



	State Institute of Rural Development	2014-15	Paper presentations
	University of Calicut	2017	Lecture
	Malabar College, Vengara	2017	Invited lecture
	University of Calicut	2017	Lecture
	IGNSA, New Delhi	2017	Paper presentation
	CDS, Thiruvananthapuram	2013-15	Paper presentation
	NSS College, Nattika	2015	Paper presentation
	Manjoor Panchayat	2011-2017	Resource person
	SD College, Kanjirappaly	2016	Keynote speaker in a national seminar
	University of Kerala	2013-16	Paper presentation
	JNU New Delhi	16-18 March, 2017 November 2014 October 2012 January 2012	Paper Presentation
	IGNOU New Delhi	22-23 March, 2017	Paper Presentation
	University of Calicut	June 2015	Orientation Programme
Lirar Pulikkalakath	Loyola College	October 2016	Training Programme
	SN College, Kollam	January 2017	Seminar Participation
	Unity Women's College, Manjeri	January 2017 February 2016 December 2015 February 2015 December 2014 October 2014	Chair/ Paper Presentation/ Resource person/ Invited Lecture

	December 2013 December 2012	
Lion's Club, Kottayam	August 2016	Resource person
Cooperative College, Kondotty	2014	Keynote address
E.M.E.A College, Kondotty	February 2016	Paper Presentation
MES College, Kodungalloor	January 2015	Paper Presentation
Kerala University	October 2013 November 2016	Paper Presentation
Alphonsa College, Pala	February 2014	Seminar Participation
Government College, Malappuram	May 2012	Paper Presentation
Darul Huda Islamic University	May 2012	Paper Presentation

b) International: 12

Name of the faculty	Name of the university/industry	Date	Purpose
	International Studies Association (ISA) annual convention at Louisiana, new Orleans, USA	8-21 February 2015	Paper presentation
	University of Cambridge, Cambridge	2-5 July 2013	Paper presentation
K.M. Seethi	Asia Research Institute, National University of Singapore, Singapore	22 October 2012	Consultation
	University of Malaya, Malaysia	21 October 2012	Consultation
	University of Exeter, Exeter, UK	16-20 July 2012	Paper presentation
	University of Cambridge, Cambridge	11-14 July 2012	Paper presentation



	Jinan National University, China	October 2011	Paper presentation
	The Catholic University of Korea, Seoul, South Korea	November 2011	Paper presentation
	Millennium Conference, London School of Economics and Politics	2010	Paper presentation
Girish Kumar R.	Robert Schuman Centre for Advanced Studies, EUI, Florence	28 th April, 2010	Paper presentation
	Swansea University, UK	14 June 2013	Invited Talks
C. Vinodan	Institute of Advanced International Studies, Sun Yat-sen University, Guangzhou, China	17-19 June ,2016	Participated in the 2016 Sino- Indian Cross Cultural Dialogues

26. Faculty serving in

a) National committees : 49

Sl.No	Name of Faculty	Details
		Professor in Charge of University Library, April to December 2012
		President, Mahatma Gandhi University Teacher Association.
		Member, Board of Studies, International Relations and Politics.
1	AM Thomas	Fulbright Campus Representative
1	7 HVI THOIHAS	Member, Academic Council, Mahatma Gandhi University
		Member, Anti-Harassment Cell, Mahatma Gandhi University.
		Professor in Charge of University Library, April to December 2012
		President, Mahatma Gandhi University Teachers Association.
	K M Seethi	Member, IQAC, Mahatma Gandhi University (2005-10)
		Coordinator (2009-), K.P.S. Menon Chair for Diplomatic
		Studies, Mahatma Gandhi University
2		Member, Syndicate, Mahatma Gandhi University (2010-12)
		Asian Political and International Studies Association
		Indian Academy of Social Sciences
		International Studies Association (ISA), USA
		All Kerala Political Science Association
3	Cinials Vives on D	Member, Steering Committee for conducting Students' Council
	Girish Kumar R	Elections, Central University of Kerala, 2012



Mahatma Gandhi University Member, Board of Studies in International Relations and Politics, Mahatma Gandhi University Member, Committee on framing Students' Council Elections, Central University of Kerala, 2012 Member, Committee on Framing the Act and Statute, Kerala Institute of Local Administration (KILA), Trissur, Kerala Member, Academic Council, Central University of Kerala Member, Committee on Framing the Act and Statute, Kerala Institute of Local Administration (KILA), Trissur, Kerala. Initiated on 26 September 2012. UGC Member, Governing Board, Midnapore College, West Bengal Convener, Syndicate Sub-committee on Academics and Research Member, Board of Studies, Central University of Gujarat UGC Member, Governing Board, Midnapore College, West Bengal Convener, Rules for framing Instituting of Ayyankali Chair, Central University of Kerala Member, School Board, School of International Studies, Central University of Gujarat Nodal Officer (International Students), Central University of Kerala. Convener, Rules for framing Instituting of Ayyankali Chair, Central University of Kerala Member, Syndicate, University of Kerala Member, International Relations Group, Govt. of Kerala. International Relations Association, Mahatma Gandhi University. Associate, Human Security Institute(Canada) Associate member, Institute of Defense Studies and Analysis(New Delhi) Member, IQAC, Mahatma Gandhi University Member, Rajiv Gandhi Chair for Public Policy Studies, Mahatma Gandhi University Member, Board of Studies in International Relations and Politics, Mahatma Gandhi University Board of Studies in Political Science, Kannur University Member, Board of Studies in Political Science, Kerala University Board of Studies in Political Science, Maharajas College (Autonomous College), Ernakulum Joint Director, University Centre for International Cooperation(UCIC), Mahatma Gandhi University

Life Member, All India Political Science Association
Life Member, Indian Association for Canadian Studies



Alumni, Regional Centre for Strategic Studies(Sri Lanka)
Member, Board of Studies in Political Science, Kerala
University
Board of Studies in Political Science, Maharajas College
(Autonomous College), Ernakulum
Joint Director, University Centre for International
Cooperation(UCIC), Mahatma Gandhi University
Member, Board of Studies in International Relations and
Politics, Mahatma Gandhi University
Member, Board of studies, CMS College, Political Science,
Kottayam
Member, Board of Studies in International Relations and
Politics, Mahatma Gandhi University

b) International committees : Nil

c) Editorial Boards : 19

() E	unoriai boarus	: 19
Sl.No	Name of Faculty	Details
1.	K M Seethi	 South Asian Journal of Diplomacy Indian Journal of Politics and International Relations Journal of Political Economy and Fiscal Federalism
2.	A.M. Thomas	 South Asian Journal of Diplomacy Indian Journal of Politics and International Relations
3.	C. Vinodan	 South Asian Journal of Diplomacy Indian Journal of Politics and International Relations Journal of Human Security(Canada) South East Asian Journal of Social and Political Issues (Indonesia)
4.	Girishkumar R	 South Asian Journal of Diplomacy Indian Journal of Politics and International Relations Annual Report 2012-13, Central University of Kerala Prospectus 2013-14, Central University of Kerala, Kasargod. News Letter, Central University of Kerala.
5.	M.V. Bijulal	 South Asian Journal of Diplomacy Indian Journal of Politics and International Relations Dynamic Action (Magazine)
6.	Lirar Pulikkalakath	 South Asian Journal of Diplomacy Indian Journal of Politics and International Relations



d) any other (please specify reviewer, examiner, role as examiner, etc.) : 34

Sl.No	Name of Faculty	Details
	v	External Examiner, University of Kerala
		External Examiner, Central University of Kerala
1	A M Thomas	Examiner, Union Public Service Commission.
		Reviewer, Rational Discourse
		External Examiner, Central University of Gujarat
		External Examiner, University of Kerala
		External Examiner, University of Hyderabad
		External Examiner, University of Calicut
		External Examiner, JNU, New Delhi
2	K M Seethi	External Examiner, Jamia Milia Islamia, New Delhi
		External Examiner, University of Delhi, Delhi
		Reviewer of Millennium Journal of International Studies
		(London School of Economics and PS)
		External Referee of the Regional Centre for Strategic
		Studies, Colombo
	Girish Kumar R	External examiner, central University of Kerala
3		External examiner, University of Kerala
		External examiner, Pondicherry University
		External Examiner, Jawaharlal Nehru University (JNU),
		New Delhi
		External Examiner, Central University of Pondicherry
		External Examiner, University of Kerala
		External Examiner, University of Kannur
		External Examiner, University of Calicut
		External Examiner, Central University of Hyderabad
		External Examiner, Central University of Kerala External Examiner, University of Madras, Chennai
4	C Vinodan	International Reviewer, International Journal of Public
		Policy (UK)
		International Reviewer, President, Journal of Challenges in
		Sustainability
		(Switzerland)
		International Reviewer, International Journal of Public
		Policy (UK)
		International Reviewer, President, Journal of Challenges in
		Sustainability (Switzerland)
		External Examiner, MPhil, University of Gujarat
5	M V Riinlal	Question paper Setter, Political Science, University of Kerala
	M V Bijulal	Question paper setter, State Eligibility Test (SET), Political
		Science
		External Examiner, MPhil, JNU, New Delhi
6	Lirar Pulikkalakath	Question paper Setter, West Asian Studies, University of
		Calicut
		External Examiner, MPhil, JNU, New Delhi

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

• Orientation Programme : 2

Sl.No	Name of Faculty	Details of programme
1.	Lirar Pulikkalakath	90 th Orientation Programme, University of Calicut in
		2014
2.	Bijulal M.V	Orientation programme

• Refresher : 2

Sl.No	Name of Faculty	Details of programme
	Girish Kumar R.	 Refresher course
	Bijulal M V	 Refresher course

• Staff training : 5

Sl.No	Name of Faculty	Details of programme
1.	Girish Kuamr R	Refresher
2.	M V Bijulal	Orientation
		Refresher
3.	Lirar Pulikkalakath	 Orientation, University of Calicut (2014)

• Staff training by other institutions : 1

Sl.No	Name of Faculty	Details of programme
	Lirar Pulikkalakath	Fostering Linkages in Academic Innovation and Research
		(FLAIR) Training, Thiruvananthapuram (2016)

HRD Programmes : 0FIP : NilWorkshops : 4

Sl.No	Name of Faculty	Details of programme
	A M Thomas	 United States-India Educational Foundation, "Workshop on Building Partnerships," Chennai, 22- 23 February 2011
	Girish Kumar	 Workshop on 'Biodiversity Conservation of River Pampa' at Pathanamthitta on September 19th 2012 All-India American Studies Workshop, September 20-21, 2012, UNESCO Chair for Peace and Intercultural Understanding, Malaviya Centre for Peace Research, Banaras Hindu University & Public Affairs Section, U.S. Embassy, New Delhi at Benares Hindu University
	Lirar Pulikkalakath	 Workshop on NAAC accreditation process by IQAC, MGU (2016)



28. Student projects

Percentage of students who have done in-house projects including inter-	100 %
departmental projects	
Percentage of students doing projects in collaboration with other	Nil
universities / industry / institute	

29. Awards / recognitions received at the national and international level by

a) Faculty : 42 Awards/ recognitions

Name of the faculty	Details
	Dean, Faculty of Social Sciences, Mahatma Gandhi University
	Chairman, Centre for Indian Diaspora Studies
A M Thomas	Member, South India American Studies Network
	Director, School of International Relations and Politics
	Director (2013-2016)
	School of International Relations and Politics
	Mahatma Gandhi University, Kottayam-Kerala, India
	Chairman (2010-14, 2014-17)
	Board of Studies in Political Science,
	Mahatma Gandhi University
	Chairman (2014-17)
	Board of Studies, School of International Relations and Politics
	Mahatma Gandhi University
	Chairman (2009-)
	Centre for Cross-National Communication in South Asia (CCCSA)
	School of International Relations and Politics
	Mahatma Gandhi University
K M Seethi	Director of Research (2010-12)
II W Scom	Mahatma Gandhi University
	Honorary Director (2012-)
	KN Raj Centre for Planning and Centre-State Financial Relations
	Mahatma Gandhi University
	Dean (2010-13)
	Faculty of Social Sciences
	Mahatma Gandhi University
	Resource person, Academic Staff College, University of Kerala
	Resource person, Academic
	Staff College, University of Calicut
	Resource person, University of Delhi, New Delhi
	Resource person, Jamila Millia Islamia,
	Resource person, Sikkim Central
	University, Sikkim.

	Dean, School of Humanities and Social Sciences, Central
	University of Kerala Deep Control International Comparation Control University of
	Dean, Centre for International Co-operation, Central University of
	Kerala
	Chair Professor, Centre for WTO Studies, Central University of
	Kerala
	Head, Department of International Relations, Central University of
	Kerala
	Framed Rules and Regulations for Admission of foreign students
	and Student/Faculty exchange programme on October 17 th and
	November 10 th 2012. The rule framing Committee included Prof.
	Jacob Chacko (Dean), Prof. GM Nair (Dean) and
	Mr. Krishnamurthy (ICCR).
	Chairman, Board of Studies, Central University of Kerala
	Head of the Department, Department of International Relations,
Girish Kumar R.	Central University of Kerala
	Chairman, Centre for Trade, Development and Governance (C-
	TDG), School of International Relations and Politics, Mahatma
	Gandhi University, Kottayam
	Media Relations Officer, Central University of Kerala
	·
	Jean Monnet Fellow, Robert Schuman Centre, European
	University Institute, Florence, Italy.
	ICSSR Fellow, Indian Law Institute, New Delhi,
	Cambridge-Pavate Fellow, 2007, Sydney Sussex College,
	University of Cambridge
	Chairman, Centre for Trade, Development and Governance, School
	of International Relations and Politics, Mahatma Gandhi University,
	Kottayam, Kerala 2009-12
	Fulbright Fellow, 2000, at George Washington University Law
	School, Washington DC, USA
C. Vinodan	Coordinator, Rajiv Gandhi Chair for Public Policy Studies
	Judge, District youth festival, Alappuzha (2016)
	Kerala Coordinator, Campaign for Electoral Reform (CERE)
Bijulal M.V	Chairman, Centre for West Asian Studies, School of International
-	Relations and Politics
	Question paper Setter, West Asian Studies, University of Calicut
T ! D1!1.1 1 1 4	Judge, inter collegiate debate competition on demonetization, BCM
Lirar Pulikkalakth	College, Kottayam (2017)
	Coordinator, CH Mohammed Koya Chair, Mahatma Gandhi
	University
	Coordinator, Tourism Club, Unity Women's College, Manjeri
	(2013-14)

Coordinator, IQAC, School of International Relations and Politics			
Resource person, NSS Unit, UWC, Manjeri			
Treasurer, Alumni Association of JNU, Kerala Chapter			
Resource person, Lion's Club, Kottayam			
Internship, Fostering Linkages in Academic Innovation and			
Research (FLAIR) Training, Department of Higher Education,			
Government of Kerala.			

b) Doctoral / post-doctoral fell Postdoctoral fellows: 1 post-doctoral fellow

	Details/ Topic
/ post-doctoral fellows	
Anju Lis Kurian	Climate Change And Environmental Governance: A Study On The
	Livelihood, Issues In Western Ghats Region Of Kerala

c) Students : 2 Awards

Name of the student	Details
Anju Lis Kurian	Young Political Scientist Award,
Geethika G	Commonwealth Fellowship, University of Manchester,

30. Seminars/ Conferences/Workshops/ Colloquiums organized and the source of funding (national /International) with details of outstanding participants, if any. a) National : 6

S.L. No Seminars/ Conferences/Workshops		Source of funding	outstanding participants
1.	South Asian Regional Conference on "Engaging South Asia: Challenges and Opportunities of New Diplomacy on 27-28 March 2014.	KPS Menon Chair for Diplomatic Studies, School of International Relations and Politics UGC	
2.	Symposium on "The Legacy of Nelson Mandela," Nelson Mandela Day 2013, School of International Relations, and Politics, 10 December 2013.		
3.	The Nelson Mandela Chair organized a National Seminar on "Understanding China: Indian Perspectives" on 27-28 February 2015	Chennai Centre for China Studies and the Institute for Contemporary Chinese Studies (ICCS), UGC Area Studies Centre at Mahatma Gandhi University.	Sri. Venu Rajamony IFS, senior diplomat in the Ministry of External Affairs, currently Press Secretary to the President of India, delivered the keynote address.

			Prof. Srikanth
			Kondapally
			(Jawaharlal Nehru
			University), Prof.
			Madhu Bhalla
			(Delhi University),
			Prof. Jia Haitao
			(Jinan University,
			China), Sri. Murali
			Nair (former Consul
			of India, China), Sri.
			Hormis Tharakan
			(former Chief of
			RAW)
		~	Prof Ninan Koshy,
		Centre For West	Dr. A.K.
	Colloquium on "Travails of	Asian Studies,	Ramakrishnan,
4.	Political Transition in Iraq and Egypt" Friday, 27 June 2014	School of	Professor of West
		International	Asian Studies,
	_8,Ft = ====,, = : = === = = = = = = = = = =	Relations and	Jawaharlal Nehru
		Politics	University.
			Mr. Mani Shankar
			Aiyar, former Union
			Minister and
			Member of Rajya
			Sabha, Mr.
			Sheshadri Chari,
	Panel discussion on the theme,		BJP National
	"Kerala vs Gujarat: Which Model is		Executive Member
	Right for India" as part of Rajya		and former editor of
5	Sabha TV's regular programme		Organiser, Mr. K.N.
]	"India Interacts" on 11 September		Harilal, Associate
	2013.		Fellow, Centre for
			Development
			Studies and Mr.
			John Samuel, Public
			Policy expert and
			Bharat Bhushan,
			Senior Journalist,
			New Delhi.
			new Delili.



b) International

: 7

Sl.No	Seminars/ Conferences/Workshops	Source of funding	outstanding participants
1.	The Rise of China: Policy Parameters and prospects", 1-3 November 2012.	the Institute for Contemporary Chinese Studies,	Hormis Tharakan, Former Chief, RAW V. Suryanarayanan, Nelson Mandela Chair for Afro- Asian Studies.
2.	Arab World: March Towards Democracy" on 4-5 February 2013 The Conference	Ministry of External Affairs, Government of India, the Indian Council of World Affairs, and Kerala State Higher Education Council.	India's Foreign Secretary Sri. Ranjan Mathai.
3.	The Political Transition in China and the United States: Implications for India on 28 February 2013	Chennai Centre for China Studies, Institute of Contemporary Chinese Studies	Prof. Jia Haito, Jinan University, China, Prof. Steve Hook, Kent University, USA, Prof. Srikanth Kondappalli, JNU, Sri. Murali Nair, former Indian Consul in China, Sri./ Kim Jingwoog, South Korea, Ambassador K.P. Fabian et al.
4.	"Annual Lecture 2013" on India's Regional Role with Special Reference to Developments in Afghanistan and the New Leadership in Pakistan and China" on 16 August 2013.	School of International Relations and Politics	Prof. Walter Russell Mead
5.	IR Special Lecture on the theme "Global Growth to 2050: Demographic Trends and World Order" on 5 September 2013.	School of International Relations and Politics.	Prof. Adam Webb, Resident Professor of Political Science, Johns Hopkins University Hopkins Nanjing Centre, China
6.	Symposium on "The Legacy of Nelson Mandela," Nelson Mandela Day 2013, 10 December 2013.	School of International Relations, and Politics,	Prof. Mathew Palamattom, faculty member in the University of South Africa and former President of All South African Malayalee Association,

7.	Engaging Diaspora: Challenges	Nelson Mandela	Ambassador T.P.	
	and Opportunities" on March	Chair for Afro-	Sreenivasan, Vice	
	23-24, 2015.	Asian Studies and	Chairman, Kerala State	
		the Institute for	Higher Education Council,	
		Contemporary	who was Indian	
		Chinese Studies	Ambassador in Fiji,	
			Myanmar and Kenya where	
			a substantial number of	
			Indians live. The keynote	
			address was delivered by	
			Shri N Narsimhan, former	
			Secretary to the	
			Government of India.	

31. Code of ethics for research followed by the departments:

The School has a code of ethics with regard to research. No close relations are encouraged to do research with supervisors. The researchers are advised to do plagiarism checks with regard to dissertations submitted and articles published. With regard to MPhil/ Ph.D dissertations, the School insist that the scholars submit their work to the plagiarism check mechanism installed in the University library and obtain the requisite certificate. Only on receiving this certificate will the school proceed with the formalities of submission.

32. Student profile programme-wise:

Name of the	Applications		Selected	cted Pass percentage	
Programme (refer to question no. 4)	received	Male	Female	Male	Female
MA P& IR		49	31	90%	96%
MA P& HR	545	14	9	90%	100%
MA P (PPG)		13	11	90%	100%
MPhil	95	28	24	90%	90%
Ph.D		19	15	NA	NA



33. Diversity of	students			
Name of the	% of	% of students	% of students	% of
Programme (refer to question	students from the	from other Universities	from universities	students from
no. 4)	Same	within the	outside the	other
,	University	State	State	countries
MA P& IR	69%	22%	2.6%	5.2%
MA P& HR	81%	18%	Nil	Nil
MA P (PPG)	83%	12.5%	4%	Nil
MPhil	60%	40%	Nil	Nil
Ph.D	80%	14.29%	5.71%	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Sl.No	NET/ JRF Qualified	Civil service	SET	Others PSC
1.	11	Nil	3	Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	62.5%
PG to Ph.D.	33.3%
Ph.D. to Post-Doctoral	5%
Employed	Academic- 40% Media/ Legal/ Private- 40% Government/ Civil Service/ Diplomacy- 20%
Campus selection	Nil
Other than campus recruitment	
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates				
of the same university	0			
from other universities within the State	60			
from universities from other States from	40			
universities outside the country	0			

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Yes,

Degree awarded	Details
Ph.D	Jamia Milia University, New
	Delhi (2015)

38. Present details of departmental infrastructural facilities with regard to

a) Library	Available,7732 books+ back volumes of International Journals
b) Internet facilities for staff and students	Available
c) Total number of class rooms	3
d) Class rooms with ICT facility	Yes
e) Students' laboratories	Nil
f) Research laboratories	Nil



39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

Sl. No	Name & Address	Торіс	Guide	Full Time/ Part Time	Total
1	G.Geethika Narayanamangalam Thadiyoor P.O Pathanamthitta-689547	IPR's International Conventions and TRIPS: The Indian Experience	Raju K.Thadikkaran	Part Time	
2	Punnose mathen Muttathukara Puthenchantha P.O Vakathanam Kottayam	Post Mao Reforms in the PRC with Special Reference to the Special Economic Zones (SEZ): The Chinese Experience	Raju K.Thadikkaran	Full Time	
3	Byju P.Babu	Information and Communication Technology and Social Development in Developing Counties with Special Reference to India (International Relations)	Raju K.Thadikkaran	Full Time	6
4	Vinu.J.George Puthiakulangara Palampra P.O Kanjirappally	Intellectual Property Rights and the New Security Challenges: Indian Experience in the protection of Bio Diversity Related Traditional Knowledge	Raju K.Thadikkaran	Full Time	
5	Antony P.W Pokkath Pizhala, Ernakulam- 682027	Internationalisation of Higher Education in India and China with Special Reference to the State of Kerala and Gundong Province	Raju K.Thadikkaran	Full Time	
6	Siby Thomas St.George Catholic Church Seethathodu Pathanamthitta	Internationalisation of Higher Education: The South Korean Experience	Raju K.Thadikkaran	Full Time	
7	Remanan R.P "Hrudaya" Thanneermukkom P.O Alappuzha-688527	Right to Education: Constitutional Status and emerging challenges	K.M.Seethi	Part Time	11

8	Ampili.T Pakkallithara Thekkethil Thiruvanvandoor P.O Chengannur-689109	Political Economy of Regionalism The Indian Experience in the Post-Cold War era	K.M.Seethi	Full Time	
9	Sasikumar V.K Vallikattu House Ezhumanthuruthu P.O Muttuchira Kottayam-686613	State and Ethnicity in /south Asia: A case study of Sinhala Nationalism in Sri lanka	K.M.Seethi	Full Time	
10	Ramakrishnan T.K Sooryakanthi Koottuli P.O Calicut-673016	Unesco and the global information order: A study on the Politics of Communication and Information	K.M.Seethi	Part Time	
11	Sudheep M.S Maruthapathickal House Kuninji P.O Nellappara Kottayam-686576	Islam, State and Nation Building: A study on the systematic Crisis in Pakistan	K.M.Seethi	Full Time	
12	Priya M.V Flat No.6 Bharani Apartment I main Road Raja Annamalaipuram Chennai-600028	Foreign Policy of China in the Post Mao Period: A study on China Asia Pacific Strategy	K.M.Seethi	Part Time	
13	Rigi Idiculla Kallamannil House West Othara P.O Pathanamthitta-689551	Human Security and Ageing Women in Kerala: A Case Study of Pathanamthitta	K.M.Seethi	Full Time	
14	Aparna.C Vellarayil Kannickal P.O Moolamattom	Democratisation and Governance inNepal: Persisting Issues and Challenges	K.M.Seethi	Full Time	
15	Muhammed Thalhat M Mandody House Moodathazhikkal Paramba,Feroke P.O Calicut-673631	Politics of Images in International Relations: A comparative Study of Egyptian Uprising and Israeli-Palestine Conflict	K.M.Seethi	Full Time	
16	Ashok Alex Luke Vettikkattu House Kizhakktheruve P.O Kottarakkara Kollam-691531	US – China Relations in the Post 9/11 Global Order: A Study with Special Reference to Asia – Pacific Region	K.M.Seethi	Part Time	



1.7	D 1 D 1 W	D . D .		1	1
17	Parvathy Devi K Kannankara House Vadavathoor P.O Kottayam	Foreign Economic Policy Making in India	K.M.Seethi	Full Time	
18	Anoop.R "Hrudaya" Thanneermukkom P.O Alappuzha-688527	The Right to Health: Tobaccs Use in India with Special Reference to Kerala	A.M.Thomas	Full Time	
19	Thomas C.S Chackalayil House Cathedral View Changancherry-686101	Judicial Supremacy in India: Expanding Powers of the Supreme Court of India	A.M.Thomas	Part Time	4
20	Asha Rani P.L Pazhukkarayil Eramallur P.O Alleppey-686537	Gender, Conflict and International Relations : A Study with Special Reference to Women in Jammu & Kashmir	A.M.Thomas	Full Time	
21	Shibu E.V Karakkattu Kunnel Vakathanam Kottayam	Media and its National emergency in India: The Issue of Family Planning	A.M.Thomas	Full Time	
22	Raju John Kunnath Poothrikka Ernakulam-682 308	Changing Dynamics of Emigration: A study on Kerala	A.M.Thomas	Full Time	
23	Navas M Khadar Mariyil House, Allapra P.O Perumbavoor Ernakulam – 683 556	Migrant Labour in the Plywood Industry of Kerala. A Human Rights Perspective	A.M.Thomas	Full Time	
24	Simi Joseph Carmelaram Convent Arunapuram P.O Pala – 686 574	Post-Structuralism and International Relations Theory: A Study on Richard Ashley's Re- Reading of International Relations	A.M.Thomas	Full Time	
25	Viswam Mathew Chalil House Kadavoor P.O Panamkara Ernakulam-686671	Univeralisation of Elementary Education: A Case Study with Special Reference to Sarvasiksha Abhiyan Programme in Kerala	Girish Kumar.R	Full Time	



26	Sebastian A.Mathew Arattukulangara North of Railwaystation Road Ettumanoor P.O PIN-686631	General Agreements in Trades in services (GATS) and India: A study on the telecommunication sector	Girishkumar.R	Part Time	4
27	Rajesh M Kalluvettumkuzhi Thazhamel, Anchal P.O Kollam-691306	India's National Innovation System in the Post Liberalisation Period: A Study with Reference to ICT Diffusion in the Agriculture Sector	GirishKumar.R	Full Time	
28	Ajay M.G Mathangamakel House Kothanalloor Kottayam-686632	River Governance and Local Administration: A Case Study of River Pamba	Girish Kumar.R	Full Time	
29	Dinoop K Kalathumkandi (H) Chenakkalangadi P.O Thenchippalam (via) Malappuram – 673 636	International Migration	Girish Kumar.R	Full Time	
30	Syama Muralidharan Murali Sadhanam, Kattoor P.O Pathanamthitta – 689 650	Mergers and Acquisitions in Indian Pharmaceutical Industry	Girish Kumar.R	Full Time	
31	Gelina V.P Ponniam West P.O Thalassery Kannur-670641	Terrorism and Displacement in Kashmir: A study on the Problems of Rehabilitation of the Kashmir: Pandits	C.Vindoan	Full Time	
32	Asharaf.P Parappure House Chenoli P.O Perambra Kozhikode	Migration and Social Change: A study on gulf Migration and its impact on the Sociopolitical Life of the Muslims in Kerala	C.vinodan	Full Time	
33	Jithuraj M.S Madathikudiyil House South Marady P.O Muvatupuzha-686673	Proliferation of small arms and human security in south Asia: A study with reference to India	C.Vinodan	Part Time	
34	Leena Merlin Shade State Bak colony Road Pattari P.O Kozhikodu-673016	United states nuclear strategy in South Asia: A study on U.S. Policy towards India	C.Vinodan	Full Time	



35	Shibu M.George Mundaplackamannil House Kunnamthanam P.O Thiruvalla-689581	Sustainable Development and Energy Security – A Comparative Study of India and China	C.Vinodan	Full Time	
36	Gigish Kumar V Gigish Bhavan Paliakkara Palace Road Thiruvalla-689101	Right to Information and Governance at the Local Level: A Study with Special Reference to Kerala	C.Vinodan	Full Time	
37	Rajesh Kuniyil Koiothkandythazhakani Kozhikode	Nuclear Deterrence ion Trilateral Settings: Strategies of India, Pakistan and China	C.Vinodan	Full Time	
38	Lakshmi.S Lakshmi vihar Moolavattom P.O Pakkil, Kottayam- 686012	External Dynamics of Sino-Indian Relations After the Cold War: A Study on the US and Pakistan Factors	C.Vinodan	Full Time	13
39	Sijin C.P Chentrathara Thalayazham P.O Vaikom, Kottayam	Human Security and Democratic Governance in the Post-Taliban Afghanisthan: A Study on the Role of the United States	C.Vinodan	Full Time	
40	Simon V.S Vattapparambil Onakkoor Kakkayam, Ernakulam	State, Governance and Human Security in India: A Study with Special Reference to Maoist Movement in Telangana	C.Vinodan	Full Time	
41	Sajeevkumar M.V Rajeev Nivas Naduvil P.O Kannur-670582	Rural Livelihood Security in Kerala: A Study on the Impact of Mahatma Gandhi National Rural Employment Guarantee Scheme	C.Vinodan	Full time	
42	Vivek C.K Rekha Chittarikovil Kandoth P.O Payyannor, Kannur- 670307	Disaster Risk Reduction (DRR) in South Asia: A Study on School Based DRR Programme in Afghanistan	C.Vinodan	Full Time	



43	Jyothi Lakshmi M.A Koduvathara House Vadayar P.O Thalayolaparambu Kottayam-686605	Micro-Finance and Livelihood Security in Kerala	C.Vinodan	Full Time	
44	Priyesh C.U Choothamparambil House Panambukad Vallarpadom P.O Ernakulam-682504	Non-Governmental Orgaisation, social Justice and Destitute Children in Kerala: A study as Janasree Sisubhavan and SOS village	Venugopal B.Menon	Full Time	
45	Pradeep Joseph Karackavayalil Velathussery P.O Marady, Kottayam- 686580	The Tamil question in Sri Lanka: A Study on the Reporting of the Ethnic Conflict in the Indian Media	Venugopal.B.Menon	Full Time	
46	Soumya T.S Kakkanattu House Thalayolaparambu Vaikom, KOttayam- 686605	Chinas South Asia Policy: A study on Sino-Nepal Relations	Venugopal.B.Menon	Full Time	10
47	Aneesha P.A Padayat Poyil House Peruvannamuzhi, Chempanoda P.O Calicut-673528	Political Participation of Woman in the Guld – Comparative Study of Kuwait Baharin & Saudi Arabia	Venugopal B.Menon	Full Time	
48	Sujith Sundaran Choorakuttickal Chenganoor Pathanamthitta-689544	Identity Assertion in Kerala, A Study on Prathyksha Raksha Daiva Sabha (PRDS) Continuity and Change	Venugopal B.Menon	Full Time	
49	Blessy Paul.C Cheruvathar House Pazhuvil P.O Thrichur-680564	India's Energy Security: The Gulf Factor	Venugopal.B.Menon	Full Time	
50	Stanly T.Chacko Thuruthil House Thalavady P.O Alleppey-689572	Migration and Human Security in south Asia: A Study on Issues in India – Bangladesh relations	Venugopal B.Menon	Full Time	
51	Sandhya V.S Veluthapurackal Kodungallur Trichur	Communalism and Changing Political Dynamics: A Study on Kodungallor	Venugopal B.Menon	Full Time	

52	Saneesh P.T Puthenpurackal Chinnar P.O 4 th Mile, Kaverimala Elappara	Tribal Development Programmes in Keraka: An Impact Assessment Study of the Paniya and Mannan Settlement in Idukki and Malappuram	Venugopal B.Menon	Full Time	
53	Sheeja Mathai Puthussery House Kidangoor P.O	Development and Displacement in Kerala: A Study on the Displaced People in Nedumbassery	Venugopal B .Menon	Full time	
54	Biju Joseph PLamthoppil House Nalukody P.O Changanacherry-686548	Social exclusion and Human Rights: A Case Study of People Living with HIV/AIDS in Kerala	Sreekantan Nair	Full Time	
55	Reghunath V Sivalayam Perunna P.O Changanacherry-686102	Political Mobilisation of SC's & ST's in Kerala: A Case Study on Land Rights Movements	Sreekantan Nair	Part Time	5
56	Varghese A.K Adivallil Kurukappilly P.O Kolencherry-682311	Right to Life and Environmental Issues in Kerala: A Case Study of Periyar River Contamination and its after effects	Sreekantan Nair	Full Time	
57	Grace Peter CSI Parsonage Alumpedika Ochira, Kollam	The Scottish Question: Critical Issue in Sub- State Nationalism in the United Kingdom	Sreekantan Nair	Full Time	
58	Ashitha.R Thekkethumpayil Niranam P.O Kadapra Pathanamthitta-689621	Counter Terrorism Measures in India: Implications for the Civil Liberties Discourse	Sreekantan Nair	Full Time	
59	Sheeba Abraham Kuthivalachel House Veliyannoor P.O Kottayam-686638	Changing Land use pattern in Kerala A Study with Special Reference to Pady Fields	V.Mathew Kurian	Part Time *	
60	Anooja Chacko Chamakalayil House Muthalakodam P.O Thodupuzha	The impact of Deforestation on the Adivasis of Kerala: A Study with Special Reference to "Mannans" in Iddukki District.	V.Mathew Kurian	Full Time *	



61	A.D.Manikandan Alungal House Edassery Beach Talikulam Trichur-680569	Land Degradation, Ecological Restoration and Tribal Livelihood in Attapady, Kerala	V.Mathew Kurian	Full Time *	8
62	Jaya Sadasivan Mmthundathil Kattachira Kottayam	Labour Dynamics of Inward Migration in The construction Sector in Kerala	V.Mathew Kurian	Full Time *	
63	Winson Thomas Vallyanal Madappally P.O Kottayam	Economics of Geographical Indications and its implication for Producers: A Study with Reference to Kerala	V.Mathew Kurian	Full Time *	
64	Anuraj K.R Kallamparambil Moonilavu Kottayam	Food Security in Kerala: A Study on its Evolution and Challenges	V.Mathew Kurian	Full Time *	
65	Alan Zacharia Thayil House Edamattom P.O Pala, Kottayam	Labour Economics	V.Mathew Kurian	Part Time *	
66	Linda George Padamattumel Kottayam	Financial Inclusion and Regional rural Banks: A Study with Reference to Kerala Gramin Bank	V.Mathew Kurian	Full Time *	
67	Arunkumar.A Lekshmi Nivas Kelamangalam P.O Thakazhy-688562	Water amd Human Rights: A Study on Jalanidhi Project in Kerala	Benny Joseph	Full Time	
68	Lijoy Thomas Pulickal Kappumthala P.O Kottayam-686613	Challenges of Social Inclusion in Higher Education: A Study eith Reference to Dalits in Kerala	Benny Joseph	Full Time	
69	Jipson V.Paul Vadakumcheril Ramamangalam Ernakulam	Educational entitement of Tribals in Kerala: A Comparatie Study of Kurichiyas and Paniyas of Wayanad	Benny Joseph	Full Time	5
70	Rino Mathew Thekkanam Kunnel Punnathara West Kottayam	Civil Rights Movements in Manipur: A Study on Irom Sharmila's Struggle	Benny Joseph	Full Time	



71	Sandhya Sebastian Parayil House Edanadu P.O Pala-686574	Gender, Violence and Human Security: A Case Study of Kerala	Benny Joseph	Full Time	
72	Dinaraj K C Kolliyil House, Kaipuzha P.O Kottayam Dist – 686 602	Human Rights and Environment Movement in Kerala: A Study with special reference to Western Ghats	Benny Joseph	Full Time	
73	Shiraz Shanavas White Cottage (H) I.E.Nagar P.O Madukummoodu Changanacherry 686 106	Migrant Workers and Human Security – A case study of Kerala	Benny Joseph	Full Time	
74	Arif P.T Paramthuda Vayal Payyoli Angadi P.O Kozhikode-673523	Environmental Pollution & The Right to Health: A Study on Nitta Gelatin in Kerala	Bijulal M.V	Full Time	
75	Kannan M B Madanichire Kapickad Kollam P.O 686 611	Dalit Consciousness in Kerala: A study on the Kurichy struggle	Bijulal.M.V	Full Time	2
76	Jadeeda K Manappatt Mankavu P.O Calicut – 673 007	Economic and social status pf return emigrants from the United Arab Emirates (UAE): A Study on Malappuram district in Kerala	Bijulal.M.V	Full Time*	
77	Renjith K.R Konattu House, Manjoor P.O Kottayam – 686 603	Constitutional Reform and Religious Politics in Tunasia: A Study on Gender Discourses	Bijulal.M.V	Full Time	
78	Bibu V.N Maruthamangalathu Illam Malloossery P.O, Kottayam	New Media and Democracy: A Study of online Media and Indian Public Sphere	A.K.Ramakrishnan	Part Time	1
		Post-Doctoral			
1	Anju Lis Kurian ()	Climate Change And Environmental Governance: A Study On The Livelihood, Issues In Western Ghats Region Of Kerala	C Vinodan	Full time	1

^{*} Economics

40. Number of post graduate students getting financial assistance from the university: 155

Period 2010-16

Fellowship	Number
E grants	155
RGNF	
Other	

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, before starting the MA Politics (PPG), the School was aware of the demand of including Public Administration and Public Policy courses in the ongoing MA Programmes. This was one area of Political Science which was not represented in the syllabi. Therefore when the UGC advertised for the starting of innovative programmes, the School made the best use of the opportunity and submitted a successful proposal.

42. Does the department obtain feedback from

Faculty on curriculum as well as teaching-	Yes, by discussing the issue at the level of
learning-evaluation? If yes, how does the	the Faculty Council and the Board of Studies
department utilize the feedback?	
Students on staff, curriculum and teaching-	There is student evaluation of teachers which
learning-evaluation and how does the	is done regularly. Teachers make use of this
department utilize the feedback?	feedback to improve their teaching skills and
	methodology as well as to make changes in
	the syllabus
Alumni and employers on the programmes	Alumni of the School reflect on the kind of
offered and how does the department utilize	instruction that ease imparted to them and
the feedback?	suggest improvements based on the
	experiences they have received in other
	educational institutions. These are taken into
	account while making changes to syllabi and
	teaching methods



43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position	Remarks
1.	B.S. Tirumeni IAS	District Collector, Wayanad, Kerala	
2.	Dr. A.K.	Professor, School of International	
	Ramakrishnan	Studies, JNU, New Delhi.	
3.	T. Rajah Balaji IPS	Central Bureau of Investigation	
4.	M.H. Ilias Hussein	Professor, Jamia Milia Islamia, New	
		Delhi	
5.	Dr. Happymon	Associate Professor, JNU, New Delhi	2 more Associate
	Jacob		Professors in JNU
			& 1 Associate
			Professor each in
			Jamia Milia
			Islamia, New
			Delhi, University
			of Baroda &
			Sikkim Central
			University
6.	M.S. Sreerekha	Assistant Professor of Women's Studies,	
		University of Virginia, USA	
7.	Dr.Binitha Thampi	Assistant Professor, IIT, Chennai	
8.	Roopa Rachel	Senior Chief Editor, Khaleej Times,	
	Kuruvilla	Dubai	
9.	Mathews George	Executive Director, International Affairs,	
	Chunakkara	World Council of Churches, Geneva	
10.	Dr. Shahul Hameed	Chief of China Desk, Confederation of	
		Indian Industry (CII)	
11.	Ta Minh Tuan	Direct General and Assistant to the	
		Deputy Prime Minister, Government of	
		Vietnam, Hanoi.	

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

The School along with the formal curricula creates opportunities for students to interact with academics and experts associated with other Universities and Institutions particularly in connection with their visits for seminars, workshops, special lectures, erudite lectures, internships etc.

45. List the teaching methods adopted by the faculty for different programmes:

- Interactive classroom discussions involving free exchange of views are held.
- Power point/ internet facilities are utilised.
- Film/ documentary screening are the regular feature of the syllabi.
- Latest local, national and international issues are discussed at the forums of the School.
- The International Relations Association, Human Rights Association, etc are such forums.



46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?:

The best feedback comes from students as well as the external examiners who value the answer scripts and dissertations of the students. Their feedback is taken into account. In addition teachers consult their peers in other universities with regard to the content of the syllabus. Dissertation topics are often chosen by students on the basis of their interests, exposure to topics through special lectures and interaction with external experts. These help in improving the overall content of the programmes.

47. Highlight the participation of students and faculty in extension activities:

The State Institute of Rural Development projects regarding MGNREGS have given a great opportunity for students to engage in extension activities. Those students who participated were fully involved in assessing the efficacy of the program and preparation of the evaluation report. This helps them in sharpening their analytical skills. The faculty of the School regularly offer lectures in neighbouring colleges, institutions of research etc.

48. Give details of "beyond syllabus scholarly activities" of the department:

The seminars, symposia, colloquia, special lectures, film festivals, etc provide ample opportunities for students to think and act beyond what is offered in the class room and in the formal syllabus. The IRA, the HRA etc are some forums where these are realised.

49. State whether the programme/ department is accredited/ graded by other agencies?

If yes, give details:

No formal accreditation by other agencies has been received. However, the School has definitely built a reputation for itself.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The syllabi of the program take into account new developments in the disciplines. These are translated into realities when syllabi are updated ad modified. The research topics being selected at the various programs are reflective of the new areas of knowledge.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Eminent alumni holding different offices serving the society.
- Regularly conducting Diplomatic Lecture series inculcating new knowledge.
- Good use of library and other learning resources.
- The School publishes journals of international significance.
- Diversity of the students and faculty and linkages with international institutes.



Weaknesses

- Lesser faculty strength.
- Lack of state of the art classrooms.
- Inadequate administrative support staff.

Opportunities

- Presence of centres within the School which specialise in select areas.
- Support and encouragement of Alumni.
- More student support and placement initiatives.

Challenges

- Lack of financial resources.
- Inadequate living facilities for students and teachers which prevent interaction outside office hours.
- Lack of international students' hostel.

52. Future plans of the department:

In the coming years, the School wishes to strengthen its existing Centres. This will provide greater vibrancy in the School. The School plans to streamline the publications of its existing journals. It also wishes to widen its catchment area of students to include those from outside the state and international students. Infrastructure of the School will have to be improved and the numbers of faculty members have to be increased to make this possible.



SCHOOL OF LETTERS

1.	Name of the	:	School of Le	tters		
	Department Year of					
2.	establishment	:	1988			
3.	Is the Department					
	part of a	:	Yes, Faculty of Language and Literature			erature
	School/Faculty of the					
	University?					
4.	Names of		1. M A Mala	•		
	Programmes offered		2. M A Engl			
	(UG, PG, M.Phil,		3. M.Phil M	•		
	Ph.D., Integrated		4. M.Phil Er	•		
	Masters; Integrated	:	5. M.Phil Th			
	Ph.D., DSc., D.Litt.,			•	glish, T	heatre Arts, Comparative
	etc)			, Fine Arts		
5.	Interdisciplinary					ary in nature while our
	programmes and					n with School of Social
	departments					al Relations. Moreover
	involved					ity are involved in the
			Open Course for MA MSc students.			
6.	Courses in		Students of the ASPIRE programme from other universities			
	collaboration with		in Kerala undertake their project work under the supervision			
	other universities,		of School of Letters faculty.			
	industries, foreign					
	institutions, etc					
7.	Details of		Nil			
	programmes					
	discontinued, if any,					
	with reasons					
8.	Examination System		Semester (Ch			,
9.	Participation of the			ourses offere	ed by u	s for students from other
	department in the		departments.			
	courses offered by					
	other departments					
10	Number of teaching			Sanctioned	Filled	Actual(including CAS
	posts, sanctioned,					& MPS)
	filled and actual		Professor	1	1	2
	(Professors/Associate		Associate	2	1	1
	Professors/Asst.		Professors			
	Professors/others)		Asst.	7	4	4
			Professors	,	_ 	
			Others	_	_	3
			Others			,



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of	No. of Ph.D./ M.Phil. students guided for the last 6 years
Prof. V C Harris	MA, M.Phil, Ph.D	Professor	American Poetry, Film Studies, Literary Theory	31	M.Phil: 12 Ph.D: 2
Prof. P.S Radhakrishnan	MA, Ph.D	Professor	Literary Criticism, Film Studies	20	M.Phil: 12
Dr. K M Krishnan	MA, Ph.D	Associate Professor	American Literature, Fiction Studies	27	M.Phil: 12 Ph.D: 2
Dr.Saji Mathew	MA, M.Phil, Ph.D	Asst. Professor	Translation Studies, Indian Writing in English	13	M.Phil: 6
Dr. Jose K Manuel	MA, Ph.D	Asst. Professor	Film Studies, Indian Aesthetics	10	Ph.D: 3 M.Phil:12
Dr.HarikumarS.	MA, Ph.D	Asst. Professor	Literary Historiography, Poetry	6	M.Phil: 10
Dr.Aju K Narayanan	MA, Ph.D	Asst. Professor	Folkloristics Cultural Studies	9	Ph d 8 Mphil 3

12. List of senior visiting fellows, adjunct faculty, emeritus professors

- Dr.P.P.Raveendran Emeritus Professor
- Dr.Scaria Zacharia Visiting Professor

13. Percentage of classes taken by temporary faculty – programme-wise information : 25 %

14. Programme-wise Student Teacher Ratio

PG Programme : 6:1
M.Phil Programme : 3:1
Ph D Course work : 2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Office staffLibrary staff31

16. Research thrust areas as recognized by major funding agencies



Interdisciplinary studies in Literature and Culture

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

a) national

Sl No.	Nameof Professor	Project title	Agency	Amount received in Lakhs (₹)
1	Dr Harikumar S	Creation of a web portal about	UGC	9.44
		Changampuzha Krishna Pillai		9. 44
2.	Dr. Jose K	The politics of power engendered	UGC	
	Manuel	by the new generation media in		7.89
		the language and culture of Kerala		

b) International: Nil

c) Total grants received: ₹17.33 Lakhs

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration : Nilb) International collaboration : Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.

: Nil

20. Research facility / centre with

State recognition : Yes
 National recognition : Yes
 International recognition : No

- 21. Special research laboratories sponsored by / created by industry or corporate bodies : NA
- 22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	14
2.	Monographs	Nil
3.	Conference Proceedings	3
4.	Chapters in Books	25
5.	Edited Books	9
6.	Books authored with ISBN	18
7.	Books authored without ISBN	14
8.	Articles in popular publications	82
	Total	165

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Nil



- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
- 26. Faculty serving in
 - a) National committees -Nil
 - b) International committees -Nil
 - c) Editorial Boards

Editorial Boards:

Sl. No.	Name of the faculty	Journal
1.	Dr. K M Krishnan	• Member, Editorial Board of <i>Dheemahi</i> , Journal of Chinmaya Research Foundation.
2.	Dr. Aju K N	 Member, Editorial Board of <i>Tapasam</i>, Journal of Association for Comparative Studies Member, Editorial Board of <i>Bhoomi Malayalam</i>, a journal published by UC College, Aluva.
3.	All the regular members	Members of Editorial Board of Haritam, Journal of School of Letters

d) any other- Nil

- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):
 - a) One day seminar on "Vision and Experience" 29 March 2012.
 - b) Workshop on Poetry, drama, and story in September 2012
 - c) Seminar on computational practices in association with Akshara, December, 2012.
 - d) Translator's Orientation Programme from 13 to 16 February 2013
 - e) National Seminar on Indian Cinema: A Century in Perspective, 21-23 March 2013.
 - f) National Seminar on Comparative Literature" in connection with the retirement of Prof. P P Raveendran from 25--27 March 2014
 - g) Seminar on Publishing 12 January 2015 with NBT.
 - h) Workshop on Malayalam Computing in August 2015.
 - i) National Seminar on "Re-Reading Padmarajan" in January 2016
 - j) National Seminar on Thirukkural in March 2016.

28. Student Projects

- Percentage of students who have done in-house projects including interdepartmental projects: 100%
- Percentage of students doing projects in collaboration with other universities industry / institute: Nil
- 29. Awards / recognitions received at the national and international level by



Faculty

- Dr. P.S Radhakrishnan received national film award (best film critic) by the Govt. of India for the year 2014.
- Dr.Aju K N received Dr. B R Ambetkar National fellowship award by Bharateeya Dalit Sahithya Academy, New Delhi in 2012.
- Dr.Saji Mathew was a recipient of Research Award from UGC (2014-16).
- Dr.Aju K N was a recipient of Research Award from UGC (2012-15)

Doctoral / post-doctoral fellows

• Siddharth Siva received national film award

Students

• The School of Letters won the first prize in the literary quiz conducted in connection with Sahiti, Thunchath Ezhuthachhan Malayalam University Tirur, February 2014.

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.

Sl.No	Name of National/International Conference	Funding agency	Eminent Scholars/Scientist who participated
1.	One day seminar on "Vision and Experience" 29 March 2012	M.G.University	Shri Kumar Sahini National Award Winner for Direction
2.	Workshop on Poetry, drama, and story in September 2012	MG University	
3.	Seminar on Computational Practices in association with Akshara, December, 2012	M.G.University	Prof. B.Iqbal Former Vice Chancellor, Kerala University
4.	Translator's Orientation Programme from 13 to 16 February 2013	MG University	



5.	National Seminar on Indian Cinema: A Century in Perspective, 21-23 March 2013	M.G.University	Dr. Hariharan, eminent film maker and critic in Tamil Nadu
6.	National Seminar on	M.G.University	Prof.N.V.Narayanan,Calicut
	Comparative Literature" from		University.
	2527 March 2014	MOTI	
7.	Seminar on Publishing 12	MG University	
	January 2015 with NBT		
8.	Workshop on Malayalam	MG University	
	Computing in August 2015.		
9.	National Seminar on "Re-	M.G.University	Shri.Joshy Mathew,Former
	Reading Padmarajan" in		Kerala Sahithya Academy Vice
	January 2016		President
10	National Seminar on	M.G.University	Prof Nachimuthu Internationaly
	Thirukkural in March 2016		Relevant Linguistics
11	National Conference on The	M.G.University	Prof.Daniel Stein Kokin
	Hebrew Question in the		Jewish Literature and
	Italian Renaissancein April		Culture, University
	2016		Greifswald, Germany

31. Code of ethics for research followed by the departments

Punctuality, timely consultation, integrity and responsibility in approaching secondary sources:

Students/researchers are encouraged to uphold noble values and principles in research. Strict vigil is followed to prevent plagiarism among researchers.

32. Student profile programme-wise:

Name of the		Selected		Pass percentage	
Programme (refer to question no. 4)	Applications received	Male	Female	Male	Female
MA Malayalam	320	10	30	100	100
MA English	1600	5	35	100	100
M.Phil Malayalam	200	12	20	100	100
M.Phil English	220	7	25	100	100
M.Phil Theatre Arts	100	10	14	100	100



33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students from other countries
MA Malayalam	70	30	Nil	Nil
MA English	60	40	Nil	Nil
M.Phil Malayalam	70	30	Nil	Nil
M.Phil English	50	30	20	Nil
M.Phil Theatre Arts	50	50	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

• NET: 58

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	30
PG to Ph.D.	20
Ph.D. to Post-Doctoral	1
Employed	
Campus selection	Nil
Other than campus recruitment	70
Entrepreneurs	There are publishers, script writers among our alumni. Several of them are running their own news channels. Some have occupied high administrative positions in India and abroad.



36. Diversity of staff

Percentage of faculty who are graduates			
of the same university	42		
from other universities within the State	29		
from universities from other States from	29		
universities outside the country	0		

- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil
- 38. Present details of departmental infrastructural facilities with regard to

a) **Library** : equipped with more than 18,233 books

b) **Internet facilities for staff and students**: Yes, computer lab with internet access, personal computers for faculty with internet access

c) Total number of class rooms : 7

d) Class rooms with ICT facility : 1

e) **Students' laboratories** : The students of the School are actively involved in theatrical activities. We have a good collection of properties, equipment and costumes for drama. We have also equipped ourselves with high definition cameras which enable our students to document our cultural activities and programmes. Several films too have been produced by our students using these facilities.

f) Research laboratories : NA

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university : 35

b) from other institutions/universities : 25

- 40. Number of post graduate students getting financial assistance from the university: 10
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

Review of available literature, informal discussions with various stakeholders (Alumni, students, academic experts, educational institute and publishing houses) and analysis of the collected information in the department faculty council.

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, the feedback is used to improve upon teaching methodology and syllabus orientation



- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
 - Yes, the feedback is used to improve curriculum and teaching-learning evaluation.
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?
 - Yes, the feedback is used to improve upon teaching methodology and syllabus orientation

43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position	
1.	Sidhartha Siva	National award winning film maker	
2.	Dr. Sreenath Nair	Academic, Lincoln University, UK	
3.	Dr. Manoj M B	Poet, academician	
4.	Dr. Ajay Sekher	Academician, translator and critic.	
5.	Ettumannur Kannan	Academic and Kathakali Artist	
6.	Dileesh Pothen	Theatre activist and state award winning film maker.	
7.	Unnikrishnan B.	Critic, prominent film maker and activist.	
8.	Sajitha Madathil	Theatre Person and Actress	
9.	E Saneesh	Media person working with News 18	
10.	Manoj Menon	Senior media person working with Mathrubhoomi News	

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- 1. One day seminar on "Vision and Experience" 29 March 2012.
- 2. Workshop on Poetry, drama, and story in September 2012
- 3. Seminar on computational practices in association with Akshara, December, 2012.
- 4. Translator's Orientation Programme from 13 to 16 February 2013
- 5. National Seminar on Indian Cinema: A Century in Perspective, 21-23 March 2013.
- 6. National Seminar on Comparative Literature" in connection with the retirement of Prof. P P Raveendran from 25--27 March 2014
- 7. Seminar on Publishing 12 January 2015 with NBT.
- 8. Workshop on Malayalam Computing in August 2015.
- 9. National Seminar on "Re-Reading Padmarajan" in January 2016
- 10. Keywords: a special lecture series with experts from various fields.
- 11. National Seminar on Thirukkural in March 2016
- 12. National Seminar on Indian Cinema: A Century in Perspective, 21-23 March 2013.
- 13. National Seminar on Comparative Literature" in connection with the retirement of Prof. P P Raveendran from 25--27 March 2014.



- 14. Translator's Orientation Programme from 13 to 16 February 2013
- 15. Prof. G Sankara Pillai memorial Lecture was given by Dr. Sebastian Paul and Commemoration Lecture given by Dr. N. R. Gramaprakash January 1, 2013.
- 16. R. Narendra Prasad Memorial Lecture given by Prof. M. Leelavathy.
- 17. Lecture on Classical Hollywood films Dr. Hariprasad, EFL University Hyderabad, on 18 October 2012.
- 18. Social Theory and Literature, a Lecture by Vice Chancellor Dr. Rajan Gurukkal on 5 September 2012
- 19. Lecture on Dalit Nationalism by Dr. Sanal Mohan on 14 September, 2012
- 20. Lecture on Gandhi in Contemporary Context by Prof. M S John on October 14, 2012
- 21. Workshop on Malayalam Computing in August 2015.

45. List the teaching methods adopted by the faculty for different programmes:

Lecture, presentations, assignments, term papers and tutorial sessions.

- **46.** How does the department ensure that programme objectives are constantly met and learning outcomes are monitored: By obtaining feedback from all stakeholders and alumni.
- 47. Highlight the participation of students and faculty in extension activities.

We make sure that the benefits of the academic programmes reach the common man sooner or later by engaging ourselves in various extension activities. This achieved through film festivals and drama.

48. Give details of "beyond syllabus scholarly activities" of the department :

- a) Keywords: a special lecture series with experts from various fields.
- b) National Seminar on Indian Cinema: A Century in Perspective, 21-23 March 2013.
- c) National Seminar on Comparative Literature" in connection with the retirement of Prof. P P Raveendran from 25--27 March 2014.
- d) Translator's Orientation Programme from 13 to 16 February 2013, in collaboration with National Translation Mission.
- e) Prof. G Sankara Pillai memorial Lecture was given by Dr. Sebastian Paul and Commemoration Lecture given by Dr. N. R. Gramaprakash January 1, 2013.
- f) R. Narendra Prasad Memorial Lecture given by Prof. M. Leelavathy.
- g) Lecture on Classical Hollywood films Dr. Hariprasad, EFL University Hyderabad, on 18 October 2012.
- h) Social Theory and Literature, a Lecture by Vice Chancellor Dr. Rajan Gurukkal on 5 September 2012
- i) Lecture on Dalit Nationalism by Dr. Sanal Mohan on 14 September, 2012
- j) Lecture on Gandhi in Contemporary Context by Prof. M S John on October 14, 2012
- k) Workshop on Malayalam Computing in August 2015 in association with CDAAC.
- 1) National seminar on Re-reading Padmarajan in January 2016
- m) International Seminar on Thirukkural in March 2016
- n) Seminars, workshops, collaborative endeavours, cultural activities



- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: By Kerala Folklore Academy
- **50.** Briefly highlight the contributions of the department in generating new knowledge, basic or applied: School of Letters has been instrumental in introducing literary and cultural theory in curriculum design all over Kerala. The faculty of the School have played a significant role in syllabus reforms of the University. Books edited by the School of Letters faculty, often with chapters written by them have been the highlight of our syllabi. Similarly contributions in the form translations between English and Malayalam have not only enriched our cultural traditions but have also been part of the curriculum in other universities. The faculty of the School have been members of various academic bodies of universities within and outside the state.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Nationally reputed faculty.
- Dynamic interaction of the faculty with the civil society.
- Rare structure of the school which combines different languages, literatures and art forms.
- Common courses for different languages.
- Students' exposure to faculty of different languages, literatures and art forms.

Weaknesses:

- Insufficient number of faculty
- Absence of technically qualified faculty to teach subjects relating to theatre and cinema.
- Absence of faculty to guide research in fine arts, music and other art forms.
- Absence of a proper seminar cum theatre complex and a customized library.
- Lack of students from other states and countries.
- Lack of uninterrupted power supply.

Opportunities:

- Development of cultural and film studies in the context of a rapidly changing social scenario.
- Students getting equipped in theoretical research in areas of literature and culture.
- Interaction between disciplines makes students better equipped to deal with methodological challenges.
- Opportunity to attend seminars, conferences, workshops and the like being regularly organized by the School.
- Opportunity for students to access School of Letters library, arguably one of the best in this part of the country as far as modern books and other documents are concerned.

Challenges:

- At the Post graduate level getting good students with an aptitude for literary and cultural studies.
- o To convince the public and the prospective student community about the



- uniqueness of the programmes.
- o To attract more students from outside the state.
- o Getting international scholars interested in literature and culture of India and Kerala.

52. Future plans of the department.

- Translation of works/knowledge texts from other Indian languages to Malayalam and vice versa.
- Academic and cultural exchange programmes of faculty and students.
- Enrichment of social outreach programme.
- To explore the possibilities of organizing programmes like Scholar in Residence in line with the ongoing Erudite Programme.
- Introduce new and emerging areas including film studies and media studies to make School of Letters a Centre of Excellence in the state.



SCHOOL OF MANAGEMENT AND BUSINESS STUDIES

						=	
1.	Name of the Department	:	School of Management and Business Studies			Business	
2.	Year of establishment	:	1998				
3.	Is the Department part of a School/Faculty of the University?	:	Yes Faculty of Management Sciences.				
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	MBAM PhilPh.D				
5.	Interdisciplinary programmes and departments involved		MBA programme itself is interdisciplinary involving papers from Accountancy, Economics, Quantitative techniques, MIS to papers in areas of various specializations.				
6.	Courses in collaboration with other universities, industries, foreign institutions, etc		MOU signed MDI Gurgaon for sending 6 students every year for the MDI summer university program.				
7.	Details of programmes discontinued, if any, with reasons		Nil				
8.	Examination System		Semester /Choice Based Credit System				
9.	Participation of the department in the courses offered by other departments		Students are free to opt for open courses offered by other departments.				
10.	<u> </u>			Sanctioned	Filled	Actual(including CAS & MPS)	
			Associate Professors	2	2	3	
	·		Asst. Professors	6	5	4	
			Others	-	-	-	



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 6 years	
Dr K	M Com MBA	Professor	Finance &	38	Ph.D-8	
Sreeranganadhan	Ph.D	1 10103501	Marketing	36	M.Phil-2	
Dr E Sulaiman	M Com MBA	Associate	Financial	16	Ph.D-8	
Di L'Sulaillian	Ph.D	Professor	Management	10	M.Phil-9	
Dr Santhosh P	B Tech MBA	Associate	Human		Ph.D- 7 +2	
Thampi	Ph.D	Professor	Resource	12	(New Admission)	
Паттрі	I II.D	1 10168801	Management		M.Phil- 7	
	MSc MBA, Ph.D	Associate Professor	Human	19	Ph.D- 9	
Dr Siby Zacharias			Resource		M.Phil- 2	
			Management			
	MSc,	Assistant	IT & Operations		Ph.D- 6(New	
Dr Sajimon Abraham	MCA,MBA		Professor	Research	17	Admission)
	Ph.D	110168801	rescuren		M.Phil- 1	
Dr Johney Johnson	MBA, M.Phil,	Assistant	Marketing	15	Ph.D – 8	
Di Joinicy Joinison	Ph.D	Professor	Management	13	M.Phil- 5	
Dr Afsal E M	MBA Ph.D	Assistant	Marketing	8	Ph.D- 4	
DI AISAI E IVI	MIDA I II.D	Professor	Management	0	M Phil- 1	
	B Tech, MBA	Assistant	Financial		Ph.D-1+2	
Dr Biju M K	Ph.D	Professor		4	(New Admission)	
	1 11.17	1 10168801	Management		M.Phil- 2	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Sl.No	Name	Visiting fellows/Adjunct faculty/ Emeritus professors	Specialization
1.	Prof. A M Salim	Former Director, Federal Bank	Strategic Management General Management
2.	Prof. Francis Cherunillam	Rtd. Professor, CUSAT	Marketing Management
3.	Prof. R Venkatapathy	Director, Bharathiar Institute of Management	Human Resource Management
4.	Sri Sheikh Parieth IAS	MD, Kerala Rapid transport Corporation	General Management/ Public Administration
5.	Sri Mathai Baker Fenn	Corporate Trainer	Corporate Etiquettes
6.	Prof.Panchanathan	Professor, Annamalai university	Financial Management
7.	Prof. T Mallikarjunappa	Professor & Chairman MBA program, Mangalore university	Security & Portfolio Management



13. Percentage of classes taken by temporary faculty – programme-wise information : -Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
MBA	15:1
M.Phil	1:1
Ph.D	7:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support Staff	Sanctioned	Filled and actual
Technical	2	2
Administrative Staff	4	4

16. Research thrust areas as recognized by major funding agencies

- Social Entrepreneurship
- Retail Management
- Consumer Behaviour
- Corporate Governance
- Security Analysis
- Compensation Management
- Data Analytics
- Portfolio Management
- Responsible Tourism Management

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Completed 4 UGC projects. One major project for 5 Lakhs and 3 minor projects of 1 lakh each.

a) National : Nilb) International : Nil

Sl. No	Title of the Project	Duration	Funding Agency	Amount in lakhs (₹)
1.	A study on the marketing strategies adopted by small scale industries in Ettumannur.	2012, 6 months	UGC	0.15
2.	"Challenges And Opportunities In Back Water Tourism: A Case Study"., 2010- 2012	2012, 6 months	UGC	0.15
3.	Loan Portfolio of SHGs in Kerala	2012, 6 months	UGC	0.15



4.	A study on the entrepreneurial behavior of Kudumbashree units in Ettumannur Grama Panchayat	2012, 6 months	UGC	0.15
5.	Utilization of internet and IT tools in the management of higher educational institutions.	2012, 6 months	UGC	0.15
6.	A Study on the working of Fisheries Cooperative Society in Kerala	2011-13	UGC	5.00
7.	Financial sustainability of SHG in Kerala	2011	UGC	1.00
8.	Minor Research Project on "Moving Object Databases	2011	UGC	1.00
9.	"Sustainable Tourism: A Case Study On Kumarakom, Kerala"	2011	UGC	1.00

Total grants received: ₹ 8.75 Lakhs

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration : Nilb) International collaboration : Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Sl. No	Title of the Project	Duration	Funding Agency	Amount in lakhs (₹)
1	Towards Infrastructure		UGC	15.00

Total grants received: ₹ 15 lakhs

20. Research facility / centre with

• State recognition : Yes

• National recognition ;Yes

• International recognition : Nil



21. Special research laboratories sponsored by / created by industry or corporate bodies :

Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	62
2.	Monographs	Nil
3.	Conference Proceedings	64
4.	Chapters in Books	Nil
5.	Edited Books	Nil
6.	Books authored with ISBN	6
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
9.	Total	132

a) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 5

b) Citation Index – range / average : NA
 c) SNIP : NA
 d) SJR : NA

e) Impact factor range :

f) H index

Sl. No	Name of Faculty Member	Citation	H- Index
1	Dr E Sulaiman	9	1.0
2	Dr Santhosh P Thampi	12	1.0
3	Dr Siby Zacharaias	18	1.0
4	Dr Sajimon Abraham	32	1.0
5	Dr Johney Johnson	15	1.0
6	Dr EM Afsal	219	10.0
7	Dr Biju M K	9	1.0

23. Details of patents and income generated

Nil



24. Areas of consultancy and income generated : ₹ 0.75 Lakhs

SL.No	Description	Income generated in lakhs
		(₹)
1.	Recruitment & Selection of Bank Assistants at Kareepra Service Cooperative Bank	0.70

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Sl.No.	Name of the university/industry	Year	Details		
Dr E Sı	ılaiman				
1.	GSTF- Global Science Technology Forum	2012	Selected to present his research paper at the International Conference in Singapore.		
Dr Siby	Zacharias				
2.	IIM Lucknow	Jan 2014	Selected to present his research paper at the International Conference in IIM Lucknow		
Dr Joh	ney Johnson				
3.	IIM Lucknow Monash University, Australia	Jan 2014 Dec 2011	Selected to present his research paper at the International Conference in IIM Lucknow, Malaysia, Bangkok,		
Dr Saji	Dr Sajimon Abraham				
4.	Remin University of Chine	July 2011	Selected to present his research paper at the International Conference in Beijing, China.		

26. Faculty serving in

a) National committees

Sl. No.	Name of the faculty	Committee	
		Director, Dean of Faculty,	
		Member- AICTE, UGC NET, CBSE Board.	
1.	Dr K Sreeranganadhan	Chairman BOS of M G University	
		Member BOS of Kerala University, Kannur	
		University, KUFOS.	
		Member-AICTE	
2.	Dr E Sulaiman	BOS member of Kerala University, & Kannur	
		University & M G University	
		Member-AICTE	
3.	Dr Santhosh P Thampi	BOS Member M G University	
3.		Nodal Officer- Higher Education Survey &	
		NIRF.	



4.	Dr Siby Zacharias	BOS member of Kannur University. BOS -PG programmes in Management of Affiliated Colleges of Mahatma Gandhi University and the Department MBA. Member, BOS in B. Voc, St. Berchmans Institute of Management, St. Berchmans College, Changanacherry, Rajagiri School of Management
5.	Dr Sajimon Abraham	BOS member of Kannur university, Kerala & M G University Director- International Student Centre, M G University.
6.	Dr Johney Johnson	Member- UGC NET, CBSE Board Coordinator, Placement & Training Cell, Mahatma Gandhi University Member, BOS in Management at SMBS, Mahatma Gandhi University Coordinator, UGC-FRP, Mahatma Gandhi University Resource Person – UGC HRDC of Kerala University, Calicut University & Kannur University.

b) International committees: Nil

c) Editorial Boards

d) Any other

u) Any one			
Sl. No.	Name of the faculty	Committee	
1.	Afsal E.M:	Member of Review Panel, Journal of Applied Economics published by The University of Warwick, United Kingdom (2009- present	
		Member of Review Panel, Advances in Economics and Business published by Horizon Research Publishing, USA (2014-present)	
		Member of Review Panel , Amity Journal of Management Research (AJMR) published by Amity University, Noida, India (2016-present)	
2.	Johney Johnson:	Member of Review Panel , Amity Journal of Management Research (AJMR) published by Amity University, Noida, India (2015-present)	



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, orkshops, training programs and similar programs).

Year	Refresher Programme	Orientation Programme	Short Term Programme
2011-12	1	1	-
2012-13	2	-	3
2013-14	Nil	-	-
2014-15	-	-	1
2015-16	-	-	-

28. Student projects

•	percentage of students who have done in-house projects	Nil
	including inter-departmental projects	
•	percentage of students doing projects in collaboration with other universities/ industry / institute	100%

29. Awards / recognitions received at the national and international level by

a) Faculty

Name of the faculty	Details
Afsal E.M.	AIMS-NMIMS Outstanding Paper Award at the thirteenth Let a protection of Company and Management argument described during the company and during the company and during the company and described during the company and during the c
Alsai L.W.	International Conference on Management organized during 19-22 December 2015 at Indua business Academy,
	Bangalore
	 Award for Best Doctoral Paper Presentation in the AIMS-
	International Conference on Management held on 2009
	December 20-23 at IIM Bangalore,2009

b) Doctoral / post-doctoral fellows

Name of the Doctoral /	Details		
post-doctoral fellows			
Radhika PC & Johney	Received the best paper award at the International Conference		
Johnson	organised at SNGCE, (2013)		
Jominy Joice & Siby	Career Management in Changing Career Context', Trends and		
Zacharias	Challenges in Indian Business Management, Jominy Joice &		
	Siby Zacharias,; International Conference, Placitum November 6		
	&7, 2014		
Brijesh George John &	A Study on Online Jewellery Sales in India' International		
Siby Zacharias	Conference on Advanced Management- Challenges in		
	Knowledge Era, 8 th & 9 th January 2015, AMAL Institute of		
	Management, Bharathidasan University		



30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Year	Seminars/ Conferences/Workshops	Source of funding	outstanding participants
2010-11	Nil		
2011-12	Nil		
2012-13	Nil		
2013-14	One week Workshop on Research Methodology in 2014	University	35
2014-15	Nil		
2015-16	Two day National Conference on Business Models during February 25-26, 2016	UGC	110
	one week Finishing School programme for outgoing MBA students in March 1-5, 2016	University	56

31. Code of ethics for research followed by the departments

Ethical Practices for Research

- 1. **Plagiarism** Authors should firmly cite the works of others giving a notation that the work belongs to others and is not of the author. Generally accepted rules for plagiarism apply to all types of works (review, methodology, results etc).
- **2. Misuse of information** Any information collected for research purpose is confidential and is meant for academic purpose only and hence misuse of such information for personal or commercial gains is totally prohibited.
- **3. Data validity** Researcher has to ensure the integrity and validity of the data used in his/her research work in order to maintain the honesty of the output. Also, a researcher should publish the work with maximum confidence and produce necessary details for reproducing the work for examination purpose or further clarification.
- **4.** Ownership and acknowledgement In case of funded research, authors in the reports should duly acknowledge the funding and facilitating agencies. Ownership of the data, software and other study materials should be with the university or school.
- **5. Authorship Criteria** In case of multiple authors, each one should be given proper credit while publishing/communicating. Order of authors must be decided well in advance and a corresponding author should be designated.
- **6. Duplication** Any particular work published/under consideration should not be sent to other journals/conferences without making proper citation in the later publication or explicitly informing the editor of the matter. Guidelines for authors of each journal will be the apex authority in deciding the matter.
- **7. Disclosure** Researcher should disclose maximum information about the work including the academic relevance, sources of information, and appropriateness of the methods, conflict of interest if any, to the stakeholders.



8. Supervision – Being research supervisor or principal investigator is a matter fully based on academic interest and meritocracy. No discrimination is allowed in forming research groups and subsequently monitoring them based on caste/religion/region/gender/ethnicity/social or economic status of prospective researchers.

32. Student profile programme-wise:

Name of the	Applications	Selected		Pass percentage	
Programme (refer to question no. 4)	received	Male	Female	Male	Female
2010-12	250	29	27	100	100
2011-13	315	23	34	100	100
2012-14	213	31	26	100	100
2013-15	535	26	28	100	100
2014-16	464	28	32	100	100
2015-17	120	30	29	On going	
M.Phil:	T	T	T	T	
2011-12	34	3	3	100	100
2012-13	17	4	2	100	100
2013-14	64	1	5	100	100
2014-15	20	1	5	100	100
2015-16	10	1	5	100	100

33. Diversity of students

Name of the Programme MBA (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2011-12	70	23	5	2
2012-13	72	21	7	
2013-14	76	19	5	
2014-15	65	24	11	
2015-16	72	20	8	



Name of the Programme M.Phil (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from other universities outside the State	% of Students from other countries
2010-11	3	2	1	
2011-12	2		4	
2012-13	3	2	1	
2013-14	4	2		
2014-15	4		2	

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	Civil Services and Defence Services examinations, NET, SET, GATE
2010-12	3
2011-13	3
2012-14	4
2013-15	5
2015-16	5

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	2%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	
Employed	
Campus selection	30%
Other than campus recruitment	55%
Entrepreneurs	5%



36. Diversity of staff

Percentage of faculty who are graduates	s
of the same university	12
from other universities within the State	64
Universities from other States	24
from universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Name of the faculty	M.Phil., Ph.D., D.Sc. and D.Litt
Dr Siby Zacharias	Ph.D
Dr Sajimon Abraham	Ph.D
Dr M K Biju	Ph.D

38. Present details of departmental infrastructural facilities with regard to

Library

a)	Library	Available,7549 books,
b)	Internet facilities for staff and students	Available
c)	Total number of class rooms	5
d)	Class rooms with ICT facility	Yes
e) Students' laboratories		Yes
f)	Research laboratories	Yes



39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

Name of Guide	Doctoral	Post- doctoral	Research Associates
	Mr.Abey Jose George- Awarded 2017		
	Mrs Praleena P L - Awarded 2017		
	Anoop K K		
Prof. Dr .K	Asha R Nair Awarded 2013		
Sreeranganathan	Lekshmi Bhai P S Awarded 2013		
C	Krishnakumar G Awarded 2014		
	Sabu V G Awarded 2015		
	VeenaPriya S Awarded 2017		
	Uvais M		
	Roshni PR		
	Dawn Jose		
D., E. C1-!	Sindu P Nair Awarded 2014		
Dr. E Sulaiman	Basil John Awarded 2014		
	Sajith Kumar Awarded 2014		
	Shajan		
	Hazeena P.E		
	Mrs Meera M S Awarded 2016		
	Tiny Maria Mathew		
Du Cauthaal D	Mrs Krishnakumari M R Awarded 2017		
Dr.Santhosh P	John Babu Awarded 2016		
Thampi	Jils Mathew Awarded 2016		
	Mathew John		
	Rakhi p		
	Sibichen Joseph		
	Brijesh George John		
	RoshenTheres Sebastian		
	Joshy John		
Dr.Siby Zacharias	Neha Varghese		
	Saji Mathew Awarded 2013		
	JominyJoice J		
	DeepthySreedhar		
	Geethu Anna Mathew		
	Mr. Rajesh N		
	Ms. Lumy Joseph		
Dr Sajimon	Ms. Saritha K		
Abraham	Mr. Nishad Abdul Rahman		
	Ms. Benymole Jose		
	Ms. Deepa Mathews		
D I !	Biju B		
Dr.Johney	Mrs.Bhagyalakshmi P. C		
Johnson	Mrs. Ushus Mathew		
	Joju Chacko Akkara Awarded 2014		



	Radhika P C Awarded 2016	
	Sonia Mathew Katherin Awarded 2016	
	C V Lolitha	
	Tijo Thomas	
Dr.Biju	Jacob Bose	
	Martini Jose K	
Dr.Afsal EM	Dona Babu	
DI.AISai Livi	Hazeena P E	
	Priyanka I	

b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university:

Specify the fellowship for details

Year	2012	2013	2014	2015	2016
MBA programme	14	15	23	20	5
M Phil	1	1	2	2	
Programme	1	1	2	3	-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

Yes. The need assessment is done after inviting the stakeholders. Primarily the feedback of parents, alumni and industry experts are taken into consideration before designing a new programme or introducing a new specialisation.

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as	The feedback is placed before the faculty
	teaching-learning-evaluation? If yes,	council and after discussing the same
	how does the department utilize the	necessary changes/improvements are made.
	feedback?	
b)	Students on staff, curriculum and	Student feedback of teachers is encouraged
	teaching-learning-evaluation and how	and the feedback thus received is used as
	does the department utilize the	indicators for faculty improvement.
	feedback?	
c)	Alumni and employers on the	Alumni feedbacks are collected during
	programmes offered and how does the	Alumni meetings and the same is also placed
	department utilize the feedback?	before the faculty council for discussions and
		the necessary changes are adopted.



43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position
1.	Dr Roshna Varghese	Assistant Professor, Rajagiri Institute of Management
2.	Sarita K P	LIC Divisions Officer, Ernakulum
3.	Dileep K H	Deputy Manager, Axis Bank
4.	Hegal Charles	SAP Consultant, HBS Infopark.
5.	Eby Elias	Manager, South Indian Bank
6.	Shanavas	Deputy Collector, Kollam District
7.	Dr Biju M K	Assistant Professor, M G University.
8.	Shibin Mathew	Asst. Manager, South Indian Bank
9.	Sandra Pauva	Asst. Manager, South Indian Bank
10.	Arun K	Asst. Manager, Indian bank

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

YEAR	No of Special Lectures	No of Workshops
ILAK	•	1
2011-12	 1. Prof. Biju Varkey (IIM Ahmedabad) delivered a talk on innovative learning methods 2. Prof. Mathew Manimala (IIM Bangalore) delivered a talk on Entrepreneurship 3. Prof. J Rajan (Kerala University) delivered a talk on Research Methods 4. Prof. Anandakuttan Unnithan (IIM Kozhikode) took a class on 'Case Analysis'. 5. Prof. Gupta (Director, MDI Gurgaon, delivered a talk on "Management in a Multi Cultural Society) 	 A Five day Induction Programme for Fresher's was conducted by a team lead by Sri G Balachandran (Corporate Trainer) A three day Placement Training was conducted for Final Semester Students by Corporate Trainer G Balachandran
2012-13	1. Smt. Jayalakshmi G Nair (Branch Manager Stock Holding Corporation of India Ltd.) demonstrated 'Live on Line Trading''. 2. Prof. Venkatapathy (Bharathiar university) delivered a talk on 'Corporate Success'. 3. Prof. Rupert Mampally (CUSAT) took a one day session on 'Identification of Research Problem'.	 A Five day Induction Programme for Fresher's was conducted by a team lead by Sri G Balachandran (Corporate Trainer) A three day Placement Training was conducted for Final Semester Students by Corporate Trainer G Balachandran



	4. Prof. P T Sreenivasan (Madras	
	University) delivered a talk on	
	'Learning through games'.	
	1.Sri Anil Varrier (Sr GM- India	1. Workshop on Research Methodology
	Cements) delivered a lecture on	(1week programme)
	'Ingredients for Corporate Success'.	2. A Five day Induction Programme for
	2. Prof. T Asokan (Kannur University)	Fresher's was conducted by a team
2012 14	delivered a talk on Security	lead by Sri G Balachandran (
2013-14	Analysis.	Corporate Trainer)
	3. Prof. Rupert Mampally (CUSAT)	3. A three day Placement Training was
	took a one day session on	conducted for Final Semester
	'Identification of Research	Students by Corporate Trainer G
	Problem'.	Balachandran
	1.Dr C K Francis(St Thomas College,	1. A Five day Induction Programme for
	Thrissur) delivered a talk on	Fresher's was conducted by a team
	Derevatives and Risk Management	lead by Sri G Balachandran
	2.Dr Sreekanth(MES Marampally)	(Corporate Trainer)
2014-15	delivered a talk on WTO.	2. A three day Placement Training was
	3.Mr Javad K Hassan (Chairman,	conducted for Final Semester Students
	NEST Group)-"Technology	by Corporate Trainer G Balachandran
	Enterprises in India: Experiments,	
	Experiences and Expectations"	
	1. Dr Santhosh V A (TKM) delivered	1. A Five day Intensive Finishing School
	a talk on Transactional Analysis	programme was conducted by the
	2. Sri Ajith Shankar (Corporate CEO)	Placement Cell. The trainers included
	delivered a talk on 'Living in a	Sri G Balachandran, Sri Ajay Kumar
	Network Era'.	Nair and Sri Thomas Zachariah.
	3. Sri. Ajay George Varghese	2. A Five day Induction Programme for
	delivered a talk on 'Corporate	Fresher's was conducted by a team
	Ethics'	lead by Sri G Balachandran (
	4. Sri Suresh Pillai (GM – Malayala	Corporate Trainer)
	Manorama) delivered a talk on	3. A three day Placement Training was
	'Corporate expectations from	conducted for Final Semester Students
	MBA graduates'	by Corporate Trainer G Balachandran
2015-16	5. Sri K M Thomas (Ret. Chief GM,	
2015-16	Purchase, Indian Railways)	
	delivered a talk on TQM-	
	Contributions of Management	
	gurus.	
	6. Mr Ajay George Varghese (TiE	
	Charter Member and President,	
	CII, Kottayam Chapter) – "	
	Entrepreneurship: Struggle and	
	Success"	
	7. Mr Abdul Gafoor Kunhi	
	(Motivational Speaker and	
	Academic Trainer) – " Personality	
	Development "	



45. List the teaching methods adopted by the faculty for different programmes.

For MBA	Besides Lecture classes, focus is more on participative learning. Hence case analysis, role plays, learning through management games, seminars, group discussions, panel discussions, debates on issues etc. form the teaching pedagogy.
For M Phil	Besides lecture classes, seminar/ research presentations, publications and discussions on the same form the pedagogy.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Through continuous evaluation from Students, parents and other stakeholders. PTA meeting is organised twice in a year and in exigencies.

47. Highlight the participation of students and faculty in extension activities.

Student participation in extension activities are ensured through social projects undertaken jointly along with the faculty. Studies have been conducted for SHGs in the adjoining town Ettumanoor. Faculty members are involved in extension activities through consultancy, Regular Radio talks on management and business related topics, taking up responsibilities like being the nodal officer for various national agencies.

48. Give details of "beyond syllabus scholarly activities" of the department.

Eminent speakers are regularly invited to speak on current topics of importance, social issues, Budget discussions, Radio discussions, doordarshan panel discussions. Faculty members by participating as resource persons at UGC HRDC, seminars, conferences bring in a rich blend of knowledge which are shared among the students.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Recognised by AICTE

Permanent Institute I D	1-475216661
AICTE File Number	AIC000247

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Through Publications (Both National and International), Through projects/studies of SMBS. One such important study was on price issues in the rubber and latex industries done by SMBS.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

• Excellent faculty members who work for upliftment of the students.



- Students are exposed to modern communication networks and management systems.
- The vision and mission of the school is made known to the public, candidates who seek admission, students and teachers by publishing it in the school website.
- The web site of the school developed & maintained by the Business Intelligence group of the School.
- At the beginning of the academic year the year, plan & portfolio is designed after discussion in the faculty Council. Every student is known about the completion of the course, timing of different examinations.
- Regular student assessment methods are adopted within the framework of the syllabus giving more emphasis to case study based teaching approach and virtual learning component with the help of A-VIEW software.

Weakness

- Location disadvantage.
- Lack of International Collaborations.
- Highly depending on internal source of funds.
- Lack of student exchange programme.

Opportunities

- Potential to become premium Business School in Kerala.
- MDP/EDP for working Professionals.
- Smart City, start-up & Entrepreneurship promotions from central and state governments.

Challenges

- Global economic slowdown.
- Lack of academic drive/enthusiasm among students.
- Admission process prone to regular changes.
- Competing with other management.
- Institutions in terms of physical ambience.

52. Future plans of the department.

• Establish a center of excellence in Management in Kerala.



Mahatma Gandhi University

- Creation and Installation of Management Education Portal to disseminate Management related teaching, training, research, consultancy and placement activities
- A Solar Energy Plant at the top of SMBS building.
- To start a P. G Diploma Course in Plantation Management.
- To start a P.G Diploma in Retail marketing, Data Analytics and Business Intelligence.
- To start a P.G Diploma in Entrepreneurship.
- Seeking NBA accreditation
- Installation of Technology Business Incubator under "Kerala Prospective Plan 2030".
- International tie ups.



SCHOOL OF PEDAGOGICAL SCIENCES

1.	Name of the Department	:	School of Pedagogical Sciences				
2.	Year of establishment	:	1992				
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty of Education				
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)		M.Ed., M.Phil. & Ph.D.				
5.	Interdisciplinary programmes and departments involved	•	Our students are from various subjects such as arts, science and commerce. We adopt the new teaching methodologies and strategies based on the subjects.				
6.	Courses in collaboration with other universities, industries, foreign institutions, etc		Nil				
7.	Details of programmes discontinued, if any, with reasons		Nil				
8.	Examination System Annual/Semester/Trimester/Choice Based Credit System		Credit and semester system				
9.	Participation of the		The students	, research s	scholar	faculty of the	
	department in the courses		school participa	ate in semin	ars, co	nference, special	
	offered by other departments		lectures, workshop offered by other departments				
10.	Number of teaching posts,			Sanctioned	Filled	Actual(including CAS & MPS)	
	sanctioned, filled and actual		Professor	1	0	1	
	(Professors/Associate		Associate	2	1	2	
	Professors/Asst.		Professors Asst.	6	3	1	
	Professors/others)		Professors		<i>J</i>	1	
			Others	-	-	-	



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 6 years
Dr.T.V. Thulasidharan	MA, MEd, Ph.D	Professor	Education	24 years	M.phil - 12 P.hD - 9
Dr. Jaya Jaise	MA, MEd, Ph.D,UGC-JRF	Associate Professor	Education	23 years	M.phil - 5 P.hD - 5
Dr.Minikutty A.	MSc, MEd, M.Phil, Ph.D,UGC-JRF	Associate Professor	Education	22 years	M.phil - 5 P.hD - 7
Dr.Sajna Jaleel	MSc, MEd, Ph.D	Assistant Professor	Education	18 years	M.phil - 4 P.hD - 5

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

The eminent professors in the field of education visited our School and gave special lectures to the students and research scholars to enrich their frontiers in education and research. The professors who visited the School include Prof. A Sukumaran Nair, Prof. P M Jaleel, Prof. M.ASudheer, Prof. K.Karunakaran, Prof.K R Sivadasan, Prof. Viswanadhan Nair P and Prof. C.P Sreekandan Nair

13. Percentage of classes taken by temporary faculty – programme-wise information: $N.A.\,$

14. Programme-wise Student Teacher Ratio:

M.Ed	8.5:1
M.Phil	1.5:1
P.hD	8:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled	Actual
Technical	1	1	1
Administrative	4	4	4
Staff			

16. Research thrust areas as recognized by major funding agencies:

- Educational Technology
- Educational Psychology
- Educational Sociology
- Educational Philosophy
- Value Education
- Human Rights Education
- Peace Education
- Techno Pedagogy



17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

a) national

Sl.No.	Title of the Project	Period	Funding agencies	Total Fund in Lakhs (₹)
1.	Analysis of Performance-Based Assessment of English: A study Among Secondary School Teachers of Kerala		UGC	1.1
2.	Programme Design and Implementation of an Idylic Classroom Culture of Thinking Through Designated Mechanisms to Engage Teacher Educands at Secondary Level In Peace Building Activities		UGC	1
3.	"Teaching Mathematical Thinking Through E-Contents in Mathematics among Secondary School Students"		UGC	2.56

- b) International: Nil
- c) Total Grant received: ₹4.66 Lakhs
- 18. Inter-institutional collaborative projects and associated grants received: Nil
 - a) National collaboration
- b) International collaboration
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil
- 20. Research facility / centre with

• State recognition: Yes

• National recognition : Yes

• International recognition

- 21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil
- 22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	94
2.	Monographs	Nil
3.	Conference Proceedings	Nil
4.	Chapters in Books	13
5.	Edited Books	Nil
6.	Books authored with ISBN	1
7.	Books authored without ISBN	1
8.	Articles in popular publications	Nil
9.	Total	109



- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.)
- Citation Index range / average
- SNIP
- SJR
- Impact Factor range:

3.4163 to 5.00475

- h-index
- e-journals 16

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Nil

The faculty of the schools provides educational and research constancy to Schools, TTIs, B.Ed. colleges, DIETs, SCERT, SIET, SIEMAT and the like.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil

26. Faculty serving in a) National committees)

b) International committees c) Editorial Boards d) any other (please specify Faculty serving in

a) National committees

	Dean, Faculty of Education ,University of Kerala
Dr. P. J. Jacob	Dean, Faculty of Education, Kannur University
DI. P. J. Jacob	Dean, Faculty of Education, Sanskrit University, Kaladi.
	Member, Syndicate, Kannur University
	Member, NAAC Peer Team
	Former Associate Editor of the Peer Reviewed Journal in
	Education of the School of Pedagogical Sciences,
	PEDAGOGICS having ISSN 2229-7618
Dr. Celine Pereira	Member, Kerala State Higher Education Governing Council
	Member of PG Board of Studies in Education of Central
	University, Kasaragod
	Member of PG Board of Studies in Education of Bharathidasan
	University, Coimbatore, Tamilnadu
	Dean, Faculty of Education, Mahatma Gandhi University
	Chairman, Board of Studies in Education (PG), Mahatma
Dr.T.V.Thulasidharan	Gandhi University
Di.i.v.iliulasiullalali	Member, Kerala State Higher Education Governing Council
	Former Member, Syndicate, Mahatma Gandhi University
	Editorial Board Member of the journal of Farook Training



	College, ENDEAVOURS IN EDUCATION having ISSN 0976-4275
	Editorial Board Member of the International Bi-Annual Peer Reviewed Journal in Education RESEARCH DEMAGOGUE
	Former Associate Editor of ACADEMIA, the Peer Reviewed Journal in Education of the Institute of Advanced Studies in Education, Thrissur.
Dr Minilautty A	Associate Editor of the Peer Reviewed Journal in Education of the School of Pedagogical Sciences, PEDAGOGICS having ISSN 2229-7618
Dr.Minikutty A	Member of PG Board of Studies in Education of Mahatma Gandhi University& former Member of UG Board of Studies in Education of Mahatma Gandhi University
	Former Member of UG and PG Board of Studies in Education of Madurai Kamaraj University
Dr. Jaya Jaise	Former Member of UG Board of Studies in Education of Mahatma Gandhi University
	Coordinator, Kuriakose Elias Chavara Chair, Mahatma Gandhi University
Dr.Sajna Jaleel	Editorial Board Member of the International Journal, UJER Member of UG & PG Board of Studies in Education of Mahatma Gandhi University

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members of the School attended orientation, refresher and short term programmes from 2010 to 2016 to enhance quality and competency.

UGC- ASC Orientation programme	1
UGC -ASC Refresher programme	2
Workshops	18
Training programme on LINUX by Centre for High Performance Computing of Mahatma Gandhi University	8
Seminars/ Conferences attended (international, national & state level)	434
Programmes of other institutions (SCERT & SIEMAT)	6

28. Student projects

Percentage of students who have done in-house projects	100%
including inter-departmentalprojects	
Percentage of students doing projects in collaboration with other	Nil
universities/industry / institute	



29. Awards / recognitions received at the national and international level by

a) Faculty

 Dr. Celine Pereira was the recipient of the Best Teacher Educator Award of Council of Teacher Educators in 2013

b) Doctoral / post doctoral fellows

- Dr. Varghese P. Peter was recipient of National Best Teacher Award in 2013-14
- o Mrs. Sindhu P.G. was recipient of the Best Paper Presenter Award by Council of Teacher Educators in 2014

c) M.Ed Students

 Mrs. Sreeja Swas recipient of the Best Paper Presenter Award by Council of Teacher Educators in 2013

30. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- ➤ One day workshop on 'Adolescence Education and Life Skills' organized by the School in collaboration with SCERT and NCERT funding.
- ➤ Three day empowerment programme on 'Adolescence Health and Life Skills' organized by the School in collaboration with SCERT and NCERT funding.

31. Code of ethics for research followed by the departments:

To ensure integrity, confidentiality and responsibility in the research reports, papers, articles and Ph.D. theses submitted and published, they are subjected to a plagiarism certification. The software used in the schools are original ones.

32. Student profile programme-wise: (refer to question no. 4)

Name of the	Year	Applications	Sele	ected	Pass pe	rcentage
Programme	ı ear	received	Male	Female	Female	Female
	2011-12	163	11	29	100	100
	2012-13	394	7	31	100	100
M.Ed.	2013-14	430	9	31	100	100
	2014-15	252	8	31	100	100
	2015-17	Handled by CAT Cell	7	28	100	100
	2011-12	7	1	2	100	100
	2012-13	13	1	4	100	100
M.Phil.	2013-14	14	2	6	100	100
	2014-15	14	2	3	100	100
	2015-16	6	3	3	Examin	ation due



	2011-12	30	4	16	100	100
	2012-13	13	1	33	100	100
Ph.D.	2013-14	14	1	5	100	100
Coursework	2014-15	10	2	11	100	100
	2015-16	20	2	12	Examina	tion due

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Ed.	90	10	0	0
M.Phil.	95	5	0	0
Ph.D. Coursework	80	15	5	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	UGC NET	SET/SLET	State PSC	Any others	Total
2010-11	8	3	3		14
2011-12	13	9	2	UPSC - 1	25
2012-13	13	4	2	Bank – 2 LIC – 1 CTET – 4 KTET - 1	27
2013-14	10	5			15
2014-15	4	4	6		14
2015-16	5	4	10		19
Total	53	29	23	9	114

35. Student progression

Sl. No	Year	Student progression	Percentage against enrolled	
1		UG to PG	N.A	
		PG to M.Phil	5%	
	2010-11	PG to Ph.D.	5%	
		Ph.D. to Post-Doctoral	Nil	
		Employed by		

Mahatma Gandhi University

		Campus selection	Nil
		Other than campus recruitment	
		UG to PG	N.A
		PG to M.Phil	Nil
		PG to Ph.D.	7%
2	2011-12	Ph.D. to Post-Doctoral	Nil
		Employed by	
		Campus selection	NT'1
		Other than campus recruitment	Nil
		UG to PG	N.A
		PG to M.Phil	10%
		PG to Ph.D.	10%
3	2012-13	Ph.D. to Post-Doctoral	0
		Employed by	
		Campus selection	NT:1
		Other than campus recruitment	Nil
	UG to PG PG to M.Phil PG to Ph.D. 2013-14 Ph.D. to Post-Doctoral		N.A
		PG to M.Phil	10%
		4%	
4		Ph.D. to Post-Doctoral	Nil
		Employed by	
		Campus selection	Nil
		Other than campus recruitment	INII
		UG to PG	N.A
		PG to M.Phil	5%
		PG to Ph.D.	0%
5	2014-15	Ph.D. to Post-Doctoral	Nil
		Employed by	
		Campus selection	Nil
		Other than campus recruitment	INII
		UG to PG	N.A
		PG to M.Phil	7.5%
		PG to Ph.D.	2.5%
6	2015-16	Ph.D. to Post-Doctoral	Nil
		Employed by	
		Campus selection	Nil
		Other than campus recruitment	1811

36. Diversity of staff

Percentage of faculty who are graduates of the same university	0
Percentage of faculty who are graduates from other universities within the State	89
Percentage of faculty who are graduates from universities from other states	0
Percentage of faculty who are graduates from universities outside the country	0



37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period - Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library	6109
b) Internet facilities for staff and students	Available
c) Total number of class rooms	3
d) Class rooms with ICT facility	1
e) Students' laboratories	9
f) Research laboratories	3
	 Psychology Lab,
	 Technology Lab
	Computer Lab

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university
- b) from other institutions/universities

The list of doctoral students of the School of Pedagogical Sciences who were awarded Ph.D. by Mahatma Gandhi University is as follows.



Year	Sl. No:	Name of the candidate			
	1	Elizabeth Kuruvila			
	2	Shajimon P.P			
	3	Gokuldasan Pillai			
	4	Anita Mathai			
011	5	ReenieKuncheria			
2010-2011	6	Tessy Joseph Kallarackal			
201	7	Fr. Varkey A.V			
(1	8	Varghese K. Cheriyan			
	9	Anu G.S			
	10	Sreeja S.			
	11	M.V Vijayakumar			
	12	RemmiyaRajan			
	13	Srinivasan K.K			
012	14	Sajikumar K.B			
1-2(15	SurajBalan P.V			
2011-2012	16	Binu B.L			
(1	17	Asha O.S			
	18	Alka Abbas M.A			
	19	Jayalekshmi S.			
	20	Madankumar C.K			
∞	21	Ashokan P.			
2012-2013	22	Sajith C. Raj			
12-	23	Varghese P. Peter			
20	24	Issac Paul			
	25	Anilakumari M.C			
	26	Sivaprasad K.			
	27	SreeVrinda Nair N.			
	28	Lekshmi S.			
	29	Lalamani P.			
	30	Padma Priya P.V			
	31	Regi P. Mathew			
2013-2014	32	Rajasree S.			
3-2	33	VeenaAppukuttan			
201	34	Sheeba Krishnan			
•	35	Betty P.J			
	36	Anilkumar K.P			
	37	Suresh K.J			



	20	D. J. V
	38	Rajan K.
	39	Prakash Alex
	40	Manoj A.V.
	41	Jisha Baby
	42	Sumanmol N.S.
10	43	Abdul Shukkoor P.K
2014-2015	44	Lohidhasan M.K.
4-2	45	Suneethi A.S.
201	46	A. Prameela
	47	Elizabeth Thomas
	48	Binu Raj A.
	49	Annie Mary Thomas
	50	Radhakrishnan T.T
	51	Pradeepkumar S.L.
	52	Jisha Joy
	53	Susmitha P.S.
	54	Alice Joseph
	55	Viji K. Ramakrishnan
	56	Bincy Thomas
	57	Beena Rani S
	58	Lissa Joseph
	59	Rinu V. Antony
	60	Chithra C.S
	61	Arunkumar P.
9	62	SwapnaGopinath
015-2016	63	Geethu G Nair
15-,	64	VipulMurali
20	65	RakhyRadhakrishnan
	66	Anitta N.
	67	Liza Mathew
	68	Bhagyalakshmy P.
	69	SeemaGopinath
	70	Renjini K.R
	71	SosammaVarghesse
	72	Elizabeth Joshua
	73	SheelaK.Shany
	74	Sreevidya S. Marar
	1 ′ .	2200.2010.0010.00



40. Number of post graduate students getting financial assistance from the university.

Year	No. of student
2010-'11	06
2011-'12	12
2012-'13	12
2013-'14	05
2014-'15	07
2015-'16	22

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

New programmes in the school was always designed after having a thorough discussion with stakeholders (alumni, students, PTA, academic experts and social organisations). This was further discussed in the faculty council and resolutions were taken and later informed to university for starting new development programme.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The faculty discuss and take decisions on matters relating to their teaching-learning-evaluation process.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Practical suggestions put forth by the faculty are integrated into their daily practice. Student feedback on Curriculum as well as Faculty are collected using two Proforma

c. alumni and employers on the programmes offered and how does the department utilize the feedback?

Creative criticisms are incorporated to redesign the teaching method adopted by faculty members so as to achieve improved performance. Besides, the comments of alumni and directions of the employer are also duly considered and included by the faculty.



43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position	
1.	Dr.MinimolSrambickal	Director, College Development Council, University of Kerala.	
2.	Dr.Amruth G. Kumar	Associate Professor, Central University, Kasaragod.	
3.	Dr.Anu G. S	Assistant Professor, Central University, Himachel Pradesh.	
4.	Dr. Varghese K. Cherian	Principal, St. Joseph's Training College, Mannanam.	
5.	Dr. T. K. Mathew, Principal	Principal, Titus II Teachers College, Thiruvalla	
6.	Dr.Pushpa Marian	Principal, Mount Carmel College of Teacher Education for Women, Kottayam.	
7.	Dr.Subash,	Associate Professor, NCERT, New Delhi.	
8.	Dr.AncyVarughese	Project Officer, SCERT, Trivandrum	
9.	Dr.Sosamma Varghese	Coordinator, UCTEs, Mahatma Gandhi University	
10.	Mr. Shine P. S	Deputy Director, Directorate of Public Instruction	

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- 1. One day Seminar on Know Your Child, in collaboration with Association of Learning Disabilities, on 3rd August 2011
- 2. One day Seminar on Right to Education: The Kerala Context, in collaboration with Council for Teacher Education, on 11th August 2011
- 3. Two day UGC sponsored National Seminar on Models of Teaching, in collaboration with MES College, Marampally, on 19th& 20th January 2012
- 4. Three day Workshop on Research Methodology from 12th to 14th August 2013
- 5. One day Workshop on Adolescence Education and Life Skills, in collaboration with SCERT and funded by NCERT, on 29th August 2014
- 6. Three day Empowerment Programme on Adolescence Health and Life Skills, in collaboration with SCERT and funded by NCERT, from 3rd to 5th September 2014
- 7. One day Lecture on Research Methodology by Professor (Dr.) M. A. Sudhir, Gandhigram Rural University, on 7th December 2014
- 8. One day Lecture@schoolprogramme related to Space Awareness Week, in collaboration with ISRO, on $8^{\rm th}$ August 2015
- 9. One day Lecture on Research Methodology by Professor (Dr.) M. A. Sudhir, Gandhigram Rural University, in March 2016

10.



45. List the teaching methods adopted by the faculty for different programmes.

The faculty of the School adopts several methods for different programmes. Lecture, discussion, power point presentations, self-learning through individual assignment and seminar presentation, and the like.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The School conducts continuous and comprehensive evaluation for all the programmes and thereby evaluates and ensures that the programmes objectives are constantly met. For this, internal examinations, assignments, seminars and end semester examinations are administered and evaluated. The outcomes are then critically analysed and monitored to guarantee that the programme objectives are realised.

47. Highlight the participation of students and faculty in extension activities.

The Students of the School provide necessary academic assistance to the underachievers in neighbouring schools.

48. Give details of "beyond syllabus scholarly activities" of the department.

The students of the School actively participate in all programmes of the University, compete in literal, cultural and sports events, and the like.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - No.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

New knowledge in education is generated through the findings of research conducted in the areas of teaching and learning, techno pedagogy, blended learning, educational technology, educational psychology, educational philosophy, and educational sociology, value education. Findings of research in the areas of education are published in reputed journals and books.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Good infrastructure.
- Vast repertoire of books.
- Highly qualified faculty.
- Good programmes in education.
- Spacious and well equipped labs.



Weaknesses:

- Reduced demand ratio
- Reduced faculty strength
- Extended timeframe of the M.Ed.
- Programme as per NCTE regulations

Opportunities:

- Grooming young generation of teachers.
- Yoga and meditation programmes for healthy body
- Engaging in community-related activities.
- Exploring the possibilities of e-learning

Challenges:

- Conduct of national/international seminars/conferences.
- Using the psychology lab equipment for the local community.
- Physical expansion of the library.
- Lesser diversity of students.

52. Future plans of the department:

The School envisages to evolve as a Centre of Excellence for Teacher Education by providing

- Training/orientation programmes in recent trends of Pedagogy.
- Orientation programmes in Research Methodology in Humanities
- Diploma/short term courses in Guidance and Counselling, Educational Planning and Development, Curriculum Development and Evaluation, Educational Management, Economics of Education, Citizenship Education, & Human Rights Education.



SCHOOL OF PHYSICAL EDUCATION & SPORTS SCIENCES

1.	Name of the Department	:	School of Physical Education & Sports Sciences		
2.	Year of establishment	:	1983		
3.	Is the Department part of a School/Faculty of the University?	:	The School is under the Faculty of Education		
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	Master of Physical Education (MPEd) from 2012 to 2015- renamed as Master of Physical Education and Sports (MPES) from 2016 as per UGC Circular. Ph.D		
5.	Interdisciplinary programmes and departments involved	:	Physical Education being interdisciplinary in nature, the School has adopted it as a conceptual plank in the framing of all its programmes		
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Nil		
7.	Details of programmes discontinued, if any, with reasons	:	MPEd programme was suspended temporarily by the University in 2015 for administrative reasons		
8.	Examination System	:	M.PEd Programme is designed as Credit and Semester System (CSS) as per the regulations of the University		
9.	Participation of the department in the courses offered by other departments	:	Nil		
10.	Number of teaching posts, sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others)		Post Sanctioned Filled Professor/ Director 1 1 Asst. Professor/ 2 0 Assistant Director		



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experience	No of PhD /MPhil students guided for the last 6 years
Dr.Binu George Varghese	MPEd, Ph.D	Director	Sports Psychology	15	09

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

13. Percentage of classes taken by temporary faculty – programme-wise information:

Master of Physical Education (MPEd) - 80%
PhD - Nil

14. Programme-wise Student Teacher Ratio:

MPEd - 15:1

PhD - 7:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Post	Sanctioned	Filled
Coach	5	1
Administrative Officer	1	1
Assistant	3	2
Clerical Assistant	1	1
Peon	1	0

16. Research thrust areas as recognized by major funding agencies:

The school offers Ph.D in the following key areas or thrust areas

- a) Sports Psychology
- b) Exercise Physiology
- c) Bio Mechanics
- d) Health & Fitness
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil
- 18. Inter-institutional collaborative projects and associated grants received

Nil



19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Details	Funding agency	Total Grant Recived in Lakhs (₹)
Sports Hostel	UGC	200.00
Swimming Pool	UGC	225.00
Tennis Court	UGC	25.00
Purchase of Sports Equipment	UGC	25.00
Sports Laboratory	UGC	25.00

Total grants received:

20. Research facility / centre with

State recognition : YES
 National recognition : YES
 International recognition : NO

21. Special research laboratories sponsored by / created by industry or corporate bodies

Sports Science lab with UGC funding

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	12
2.	Monographs	Nil
3.	Conference Proceedings	15
3.	Chapters in Books	Nil
4.	Edited Books	Nil
5.	Books authored with ISBN	1
6.	Articles in popular publications	Nil
	Total	28



- 23. Details of patents and income generated : Nil
- **24.** Areas of consultancy and income generated:
 Health and fitness Rs 1.80 Lakhs generated annually in DDF fund
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil
- 26. Faculty serving in
 - a) National committees -8

Sl. No.	Name of the faculty	Committee
1.	Dr. Binu George Varghese	1. Appointed as the Secretary of the Kerala State Sports Council, Thiruvanthapuram by the Government of Kerala from April 2014 to June 2016. 2. Nominated as the Chairman of the UGC Committee for the on the spot evaluation of the Sports Infrastructure in various Universities in India. 3. Nominated as AIU observer for EZ Kabbadi (M) Championship 2012 by the Association of Indian Universities Vide letter No. S/NUG/AIU-OBS/2012-13-590910 dated 10/9/2012. 4. Appointed as the convenor of the High Power committee under the chairmanship of Sri. G.S.G. Ayengar IAS, Joint Secretary Sports, Government of India constituted to formulate the Sports policy of government of Kerala, Vide G.O.(Rt) No.24/15 S&YA dated 13-02-2015. 5. Appointed as the Special officer by the government of Kerala to prepare a Detailed Project Report to set up Sports College at Chingavanam, Kottayam vide G.O(MS) No. 08/116/S&YA dated 02/02/2016. 6. Nominated as Member of the organizing committee of the 35 th National Games Vide G.O.(Ms)No.19/12/S&YA dated 17 th August 2012 by the Government of Kerala 7. Member of the executive committee of the 35 th National Games held at Thiruvanthapuram from 31 st January to 14 th February 2015 appointed vide G.O(MS)No.35/14/S&YA dated 04.10.2014



Mahatma Gandhi University

8. Coordinator for Accreditation, Reception and
Transport committee of the35 th National
Games held at Thiruvanthapuram from 31 st
January to 14 th February 2015 appointed vide
G.O(Rt)No.02/15/S&YA dated 08.1.2015

b) International committees -Nil

c) Editorial Boards

Sl. No.	Name of the faculty	Journal
1	Dr. Binu George	One, Editorial board member of Pesquisa online Research
	Varghese	Journal, ISSN 2455-0736 (Print) & ISSN 24564052 (Online).

d) any other (Please Specify)

Sl. No.	Name of the faculty	Journal	
1	Dr. Binu George Varghese	 i) Member of the Academic council of Mahatma Gandhi University, Kottayam from 2009 onwards. ii) Member Secretary of the Board of Physical Education of Mahatma Gandhi University 2006 onwards. iii) Member of the core committee for the formulation of Syllabus for B.P.Ed. Degree of Mahatma Gandhi University, Kottayam. iv) Chairman of the core committee for the formulation of Syllabus for M.P.Ed Degree of Mahatma Gandhi University Vide U.O. No. 1717/Ac.AV/1/ SPESS/2012 dated 02/04/2012. v) Member of the faculty of Sports Science & Education of the University of Kannur Vide U.O.Acad C2 /8866/2008 dated 14/02/2012. vi) Member of the faculty of Science, Technology & Education of Sree Sankaracharya University of Sanskrit, Kalady, Vide U.O. Acad B1/14788/SSUS/2015 dated 14/06/2016. vii) Member Board of Examiners for valuation of Ph.D. Thesis of Manonmaniam Sundranar University, Tirunelveli, Tamil Nadu for the Year 2010-11. viii) Member Board of Examiners for valuation of Ph.D. Thesis of Manonmaniam Sundranar University, Tirunelveli, Tamil Nadu for the Year 2011-12. ix) Member of Board of Examiner for valuation of BPE and M.P.Ed papers of Mahatma Gandhi University, Kottayam 2011-13. x) Member of Board of Examiner for valuation of BPE and M.P.Ed papers of University of Kerala in the year 2010-12. 	



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- a. Resource person for the UGC sponsored National seminar on Nutrition and self care for health ageing organized by Bishop Kurialacherry College for Women, Kottayam from 14th to 15th January 2010.
- b. Resource person for the UGC sponsored National seminar on Recent Trends in Physical Education, Sports, Health Education, Yoga and Stress Management, Catholicate College, Pathanamthitta from 11th to 13th August 2010.
- c. Resource person for the UGC sponsored one day National Workshop in Sports Injuries, U.C. College, Aluva on 31st March 2011.
- d. Resource person for the National Seminar on Sports Science as a key to excellence in performance, Government college of Physical Education, Calicut from 7th to 8th March 2012
- e. Resource person for the UGC sponsored National Seminar on Physical Activity and New Age Diseases Current Perspective, MES College, Mampad, Malapuram from 12th to 13th March 2012.
- f. Resource person for the UGC sponsored National Seminar on Nation's Health: Mobilizing Youth through Physical Literacy and Physical Education, B.K College, Amalagiri, Kottayam from 16th to 17th January 2014, and presented a theme paper entitled GET-FIT-GET HEALTHY: Achieving the Abundant Life.
- g. Resource person for the UGC sponsored National Seminar on Yoga: A Panacea for Life Style Diseases, St. Thomas College of Teacher Education, Pala, and Kottayam from 23rd to 24th January 2014.
- h. Resource person for the UGC sponsored National Seminar on Prevalence and Control of Life Style Diseases in Kerala, Devamatha College, Kuravilangad, Kottayam from 6th to 7th February 2014, and presented a theme paper entitled An Analysis of School students attitude towards Physical Education and Sports
- i. Key Speaker in the valedictory Session of the UGC Sponsored National Seminar on Nutritional Strategies for enhancing Sports Performance organised by Assumption College, Changanacherry on 20th to 21st November 2014.
- j. Resource person for the UGC sponsored National Seminar on Emerging trends in Sports Psychology, organised by Baselious College, Kottayam from 25th to 26th February 2015, and presented a theme paper entitled 35th National Games and Contribution of Sports Psychology in the Performance of Kerala teams.
- k. Resource person for the UGC Sponsored National Seminar Promoting wellness and fitness among educators organized jointly under the auspices of SPESS & Mount Carmel Training College, Kottayam 10th -11th March 2016



28. Student projects

- percentage of students who have done in-house projects including inter departmental projects
 100%
- percentage of students doing projects in collaboration with other universities/industry / School:
 Nil

29. Awards / recognitions received at the national and international level by

- 1. Letter of Appreciation from Secretary Sports, Government of Kerala for the excellent performance of Kerala team in 35th National Games and for meticulously discharging the responsibilities of Secretary, Kerala State Sports Council during my tenure from 2014-2016.
- 2. Letter of appreciation by the Hon'ble Vice Chancellor, Mahatma Gandhi University for being instrumental in winning the All India Inter University Athletics Championship 2012-13.
- 3. Letter of Appreciation from the principal K.E. English Medium School for the support and guidance for the successful conduct of All Kerala ICSE/ISC Inter School Athletic Meet 2012-13.
- 4. Letter of Appreciation from the President, Association of College Teacher's In Physical Education, Mahatma Gandhi University for taking the lead to organise two workshops titled Physical Education in the Restructured Undergraduate Education grading in CBCSS System in 2009.
- 5. Certificate of appreciation by the Hon'ble Vice Chancellor, Mahatma Gandhi University for Successful conduct of Gandhi Jyothi Yatra and 24th foundation Day celebration of Mahatma Gandhi University in 2006.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

(national) with details of outstanding participants, if any.				
Sl. No.	Activity	Date & Venue	Out Standing Participants	
1	UGC Sponsored	14 th to 15 th January 2010,	Dr. Anil. R	
	National Seminar	B.K. College, Amalagiri	Dr. Jayasree Acharya	
			Dr. Usha Nair	
2	UGC Sponsored	13 th to 15 th August 2010,	Dr. Anil. R	
	National Seminar	Catholicate College,	Dr. Mani Lal	
		Pathanamthitta	Dr. V.R Bhore	
3	UGC Sponsored	16 th to 17 th January 2014,	Dr. Jose Joseph (MD)	
	National Seminar	B.K. Amalagiri	Dr. Anil R	
4	UGC Sponsored	10 th -11 th March 2016	Dr.Kannan Pugazhendi	
	National Seminar	Mount Carmel college of	Dr. Jose James	
		Teacher Education,	Dr. Shylaja Mohan	
		Kottayam		

31. Code of ethics for research followed by the departments:

Research involves a great deal of cooperation and coordination among many different people and ethical standards promote the values that are essential to collaborative work, such as trust, accountability, mutual respect, and fairness. Ethical norms in research also help to build public and official support for research. The School of



Physical Education and Sports Sciences gives high priority to research as one of its most important contributions to the society and the discipline. The School pursues a research ethos that promotes ethical responsibility in the quest for knowledge and the development, conservation and transfer of knowledge. The School focuses on endeavours to eliminate unacceptable practices within the research community.

32. Student profile programme-wise:

Name of Programme	Year	Application received	Selected		Pass perc	entage
Frogramme			Male	Female	Male	Female
MPEd	2012	113	21	9	96%	100%
MPEd	2013	108	16	11	100%	100%
MPEd	2014	91	19	6		
PhD	2015	10	7	Nil		

33. Diversity of students

Name of the programme	% of students from the same University	% of students from University within the State	% of students from the Universities outside the State	% of students from other countries
MPEd	40%	50%	10%	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

NET -11 JRF -6

35. Student progression:

Student Progression	Percentage against enrolled
UG to PG	NA
PG to M Phil	1%
PG to Ph.D	3%
Ph.D to Post Doctoral	Nil
Employed	96%
Other than Campus recruitment	

36. Diversity of staff: No permanent staff

Percentage of faculty who are graduates	
Of the same university	0
From other universities within the State	75
From universities from other States	25
From universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

a) **Library -** Total area of the library - 300 sqft
- Books - 790
- Thesis - 15
- Reference - 24

b) Internet Facility: 24 x7 Wi-Fi Internet facility available for students and staff

c) Total Number of Class rooms - 4

d) Class Rooms with ICT facility - 2

e) Research Sports Science Lab - 4

39. List of doctoral, post-doctoral students and Research Associates:

a) from the host institution/ University

Sl No	Name of Scholar	Doctoral
1	JOSE JOHN	PhD
2	DIYA VARGHESE	,,
3	NAVEEN PAUL	,,
4	PARVEEN THARIYAN	,,
5	SINI PAUL VALAYIL	,,
6	SUBHASH CHANDRA	,,
7	INDU P NAIR	,,
8	CEBY GEORGE	,,
9	SOJI JOSEPH	,,

b) from other institution/ Universities -NIL



40. Number of post graduate students getting financial assistance from the university: Nil

	Details of Scholarships					
Programme	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
	e-grants	e-grants	e-grants	e-grants	e-grants	e-grants
MPEd	NIL:	₹ 334879	₹334879-	₹ 334879	₹ 334879	₹ 334879
Ph.D.						₹ 11250
Sports Scholarship	₹ 350000	₹ 350000	₹ 350000	₹ 350000	₹ 350000	₹ 350000
Sports Merit Award	₹ 425666	₹ 425666	₹ 125000	₹ 425666/-	₹ 608000	₹ 396000/-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

Yes, The School of Physical education and Sports Sciences which was established in the year 1983 and was upgraded as a statutory teaching department in the year 2003 as there was no recognized research centers in Physical Education in the state of Kerala. The School was approved as a research center in the year 2003 itself. Further it was a long demand from the sporting fraternity to start post graduate programme in Physical Education as there was a huge shortage of qualified man power in the higher education sector especially after the implementation of Right to education, and there was only two institution in Kerala offering post graduate programme even though there were many offering graduate course. Hence being a University known for its sporting achievement across the nation it was decided to restart post graduate Programme in Physical Education in the School from the academic year 2012 onwards.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The Faculty Council analyses the feedback and makes necessary changes and additions.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The Faculty Council analyses the feedback and makes necessary changes and improvements in the curriculum and teaching —learning-evaluation process.



c. alumni and employers on the programmes offered and how does the department utilize the feedback?

Feedback from alumni is generally collected during the annual alumni meeting. Feedback from the alumni and employers are very important as they represent the changing trends in modern sporting fraternity. Faculty Council analyses their feedback and usually incorporates it in the teaching —learning process as it helps to avoid a gap between the skills achieved by students and the requirements of the workplace.

43. List the distinguished alumni of the department (maximum 10):

Sl No.	Name	Current Position	Remarks
1.	Anilda Thomas	Senior Superintendent, Forest	Olympian,
		Headquarters, Thiruvananthapuram	Athletics
2.	O.P Jaisha	Senior Clerk, South Central Railway	Olympian,
			Athletics
3.	Jinson Johnson	Havildar, Indian Army	Olympian,
			Athletics
4.	Gopi T	Havildar, Indian Army	Olympian,
			Athletics
5.	Sri. Vishnu Lakshman	Assistant Professor, B.M College of Arts	
		and Commerce, Ernakulam.	
6.	Sri. Jinnet Mathew	Assistant Professor, Naipunya College,	
		Cherthala	
7.	Sri. Tony Thomas	Assistant Professor, Pazhassi Raja College,	
		Wayanad	
8.	Sri. Shameem P	Assistant Professor, MES College,	
		Kondotty, Malappuram	
9.	Sri. Ajesh P	Assistant Professor, Illahia Arts College,	
		Muvattupazha	
10.	Sri. Deepu S	PET in Physical Education, Kendriya	
		Vidyalaya	

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

2012-13

- Special lectures by Dr. Jose James, Former Registrar, Mahatma Gandhi University on Sports as a Profession.
- Special Lecturer by Dr. Anil Ramachandran, Associate professor, P.K.M Training College, Kannur on the topic Research Methodology in Physical Education



2013-14

• Special Lecture by Dr. S. Manilal, Senior Scientist, SAI Patiala on the Role of Sports Science in High Performance Sports.

2014-15

- Special Lecturer by Dr. Jayasree Acharya, Professor, LNIPE Gwalior on Psychology of Coaching.
- Special Lecturer by Dr. Joselet Charles, Professor, L.N.C.P.E, Thiruvanthapuram on the topic Test and Measurement in Physical Education

45. List the teaching methods adopted by the faculty for different programmes.

Teaching methods adopted include both traditional and modern methods like lectures, Audio-visual aids, Internet Sources, Power Point Presentations, demonstrations etc

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The School ensures that programme objectives are constantly met and learning outcomes are monitored through a continuous process by modifying the syllabus as the need dictates. The performance of students is evaluated through examinations and teacher's performance is constantly evaluated through the feedback from students at the end of each year. The School always seeks the expert opinion from national experts from the field. The feedback from the alumni is also considered in revamping the programmes.

47. Highlight the participation of students and faculty in extension activities.

The students and university community as well as students from other institutions make use of the facilities of the school.

48. Give details of "beyond syllabus scholarly activities" of the department

For sharing knowledge and expertise, and helping the community to benefit from the knowledge resources available within the School, the consultancy projects are undertaken by the School, which also generate revenue for the School.

- ➤ The School runs a fitness centre, in which people of all ages and sex participate and improve their fitness and health.
- Faculty and students also provide their services in organizing, officiating and conduct of sports events across the country.
- > Summer coaching camps are organized for kids in different sports.



49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The 'School of Physical education and Sports Sciences is conceived as a centre of higher learning and a center of excellence for competitive sports. The School has contributed to the Nation by producing a large pool of talented Sports persons who have not only brought glory to the University, State but also to the Nation at large through the performance of its stalwart and Olympians like Shyni Wilson, Wilson Cherian, Padmini Thomas, Sebastian Xavier, Manoj Lal, Chitra k Soman, Preeja Sreedharan, Sini Jose, Geethu Anna Jose, O.P. Jaisha to name a few. Since inception the School has been able to produce 7 Awardees, 10 Olympians, 15 Asian games athletes' and more than 200 internationals which itself is self explanatory of the contribution of the School in the field of Sports and Physical Education. Besides this the school is actively engaged in developing leaders in the field of Physical Education and research related to allied domains of Physical Education and Sports.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Our rich pool of talented and hardworking athletes.
- Hardworking, Sincere and dedicated service of the coaches, faculties and administrative Staff of the department.
- Unique innovative schemes and incentives to attract most talented Sports person to the university.
- The innovative curriculum that bridges the gap between the skills achieved by the students and the requirements of the workplace.
- The School has produced 7 Arjuna awardees, 10 Olympians, 11 Asian Games athletes and more than 750 International Athletes since inception.

Weakness

- The department was established in 1983, the school has limited Modern Sports Infrastructure at present, which acts as a hindrance for expansion activities.
- There is a shortfall of four permanent faculty members in the School. But this weakness is addressed by utilizing the services of Guest Lecturers.

Opportunities:

- There exists a huge demand supply gap in the field of Physical Education and Sports which provides an opportunity for the institution to supply trained manpower according to the requirements.
- To train the University high performing athletes with the support of Sports Science.



Challenges:

- Development of Modern sports infrastructure.
- Filling up of the existing vacancies of faculties and coaches

52. Future plans of the department.

- Development of Modern Sports infrastructure like 400 mtrs Synthetic Track, Olympic size Swimming Pool and Multi Purpose Indoor Stadium.
- To emerge as a leading Sports training centre.
- To establish a full fledge laboratory of Sports Sciences like Performance Psychology, Performance Analysis, Exercise Physiology, Sports Nutrition and Sports medicine and to emerge as a premier institution training elite athlete with the support of sports science.

SCHOOL OF PURE AND APPLIED PHYSICS (SPAP)

1.	Name of the Department	:	School of Pure & Applied Physics				
2.	Year of establishment	:	1983				
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty of Science				
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	M.Sc Physcs M.Phil Physics Ph.D Physics				
5.	Interdisciplinary programmes and departments involved	:	Interdisciplinary course on Nanoscience is being offered as elective for PG students				
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	PG Elective courses in Astronomy & Astrophysics are run in collaboration with the Inter University Centre for Astronomy & Astrophysics (IUCAA), Pune (Autonomous Institution set up by the UGC) under a MoU				
7.	Details of programmes discontinued, if any, with reasons	:	Nil				
8.	Examination System	:	Choice Based Credit and Semester System				
9.	Participation of the department in the courses offered by other departments	:	Classes are offered by faculty for courses offered by other centres at Centre for Nanoscience & Nano Technology, Institute for Intensive Research in Basic Sciences, National Institute for Plant Science Technology. The Department offers Open Course for students from other schools and our students attend Open Courses offered by other departments.				
10.	Number of teaching posts, sanctioned, filled and actual (Professors/ Associate Professors/Asst. Professors/others)	:	Sanctioned Filled Actual(including CAS & MPS) Professor 1 Nil 2 Associate 2 Nil 1 Professors				
			Others Nil Nil Nil				



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	Experience	No of PhD /MPhil students guided for the last 6 years
Dr. C Sudarsanakumar	MSc, PhD	Professor	Crystallography	22	PhD:3, MPhil:6
Dr. Indulekha K	MSc, PhD	Professor	Astrophysics	26	PhD:4 MPhil:5
Dr. Nandakumar KalaKalarikkal	MSc, PhD	Associate Professor	Materials Science	22	PhD:8 Mphil:5
Dr. S Antony	MSc, PhD	Assistant Professor	Solar Physics	10	PhD:1 MPhi:4=5
Mrs. Saritha A C	Msc, MTech	Assistant Professor	Material Science	10	PhD:0 MPhil:1
Dr. Cyriac Joseph	MSc, PhD	Assistant Professor	Materials Science	08	PhD:2 MPhil:5
Dr. P R Biju	MSc, PhD	Assistant Professor	Materials Science	07	PhD:1 MPhil:6
Dr. C Venugopal	MSc, PhD	Professor up to 2014	Plasma Physics	30	PhD:3 MPhil:5
Dr. N V Unnikrishnan	MSc, PhD	Professor up to 2014	Materials Science	30	PhD:8 MPhil:6



12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Sl.No	Name	Visiting Fellows/Adjunct faculty/ Emeritus professors	Specialization
1.	Dr N V Unnikrishnan	Emeritus Scientist – KSCSTE	Laser spectroscopy
2.	Dr Chandu Venugopal	Emeritus Scientist /Visiting Professor	Plasma Physics
3.	Dr Moncy V John	Visiting Professor	Theoretical Physics

13. Percentage of classes taken by temporary faculty – programme-wise information:

Programme	2011	2012	2013	2014	2015	2016
M.Sc	Nil			38	38	38
M.Phil				25	25	25
Ph.D			25	25	25	

14. Programme-wise Student Teacher Ratio:

Programme	Student Teacher Ratio
M.Sc.	4:1
M.Phil.	1:1
Ph.D.	3:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Support staff	Sanctioned	Filled and actual
Technical	7	5
Administrative Staff	4	3

16. Research thrust areas as recognized by major funding agencies:

- Materials Science
- Nanoscience
- Biophysics
- Plasma Physics



- Astrophysics (National pooled fund)
- 17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

a) national

Sl. No	Project Title	Period	Funding agencies	Amount in lakhs(₹)
	Dr Nandakumar Kalarikkal	I		
1.	Nanoparticle aggregation behavior in polymer nanocomposites	2014- 2017	UGC-DAE- CSR Kolkata	7.89
2.	'Design and applications of magnetically responsive self- assembled polymer nanocomposites	2016-20	DST-Nano Mission	200.00
3.	Physics of Cavitation Bubbling and Hydrogen Generation during Liquid Phase Laser Ablation	2016 -18	BRNS	34.96
	Dr N V Unnikrishnan			
4.	Sol Gel Shaping of nanostructures and their characterization of Plasmonic application	2014 -17	KSCSTE	15.0
5.	Sol-Gel Synthesis and characterization of tellurite based device materials	2012- 2015	UGC- CSIR	15.42

b) international

Sl. No	Project Title	Period	Funding agencies	Amount in Lakhs(₹)
	Dr Nandakumar Kalarikkal		ı	
1.	Biobased scaffold, membrane and hydrogel for improved wound healing and bone regeneration (BIOHEAL)	2017- 2019	International project- Swedish Research Links-(Indian Collaborator)-	8.00

Total grants received: ₹281.27 Lakhs



18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

Sl. No	Project Title	Period	Funding agencies	Amount in Lakhs(₹)
	Dr Indulek	ha K		
1.	National pooled funds utilized for the promotion of teaching & research in Astronomy & Astrophysics		MoU with (IUCAA, Pune)	
2.	National pooled funds utilized for science development for the Square Kilometer Array		MoU with Square Kilometer Array India Consortium	

b) International

SL.No	Project Title	Period	Funding agencies	Amount in Lakhs(₹)	
	Dr Indulekha K				
1.	National pooled funding by India TMT (Thirty Meter Telescope)		International Science Development Team for Milky Way & Nearby Galaxies		

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sl. No	Project Title	Period	Funding agencies	Amount in Lakhs(₹)
1.	DST -FIST		ugenetes	Luxiis(t)
	To strengthen the post graduate, teaching and research facility in the	2010-15	DST	40.00
	department			
2.	UGC SAP DRS Phase I	2009-14	UGC	62.40
3.	UGC SAP DRS Phase II	2016-21	UGC	103.00
4.	DST-PURSE	2012-16	DST	225.00
	Total			₹ 430.4

Total grants received: ₹ 430.4 Lakhs



20. Research facility / centre with

State recognition : YES
 National recognition : YES
 International recognition : YES

21. Special research laboratories sponsored by/created by industry or corporate bodies : Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	222
2.	Monographs	Nil
3.	Conference Proceedings	Nil
4.	Chapters in Books	9
5.	Edited Books	6
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	6
9.	Total	243

Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory,

EBSCO host, etc.) : 199 (With IF) + 10 • Citation Index – range / average : 3625 Average : 362

• SNIP : Nil
• SJR : Nil

• Impact Factor – range / average : 0.37 - 6.227 / 2.1

• **h-index** : 10

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : 5.60 L

25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad :

Sl. No.	Name of the faculty	Details of Laboratory
1.	Dr.Nandakumar K Visit Jawaharlal Nehru Centre for Advanced Resea Bengaluru,	
2.	Dr K Indulekha	Inter-University Center for Astronomy & Astrophysics Pune and National Center for Radio Astrophysics, Pune



26. Faculty serving in:

a) National committees:

Sl. No.	Name of the faculty	Committee
1.	Dr K Indulekha	 Member, Executive Committee, Square Kilometer Array India Consortium (signatory-DAE) Member Science Sub Committee, Square Kilometer Array India Consortium (signatory-DAE) Member Technical Sub Committee, Square Kilometer Array India Consortium (signatory-DAE) Member, Square Kilometer Array HI Science Working Group (signatory-DAE) Member, Thirty Meter Telescope India –HRS Working Group (signatory-DST) Convener of Parallel Session in Astronomy & Astrophysics, 19th National Space Science Symposium, VSSC -2016 Member, Scientific Organizing Committee of the Astronomical Society of India (2010 -2013) Visiting Associateship of the Inter University Centre for Astrophysics, Pune Life Member, Astronomical Society of India Life Member, Indian Institute of Science Alumni
2.	Dr C Sudarsanakumar	 Life Member, Indian Crystallographic Association Life Member, Alumnus, IIT Chennai
3.	Dr C Venugopal	1. Life Member, American Geophysical Union
4.	Dr N V Unnikrishnan	 Life Member, Indian Laser Association Life Member, Indian Crystallographic Association
5.	Dr. Nandakumar Kalarikkal	 Life Member, Indian Physics Association Life Member, Plasma Science Society of India
6.	Dr Cyriac Joseph	1. Life Member, Indian Crystallographic Association
7.	Dr P R Biju	1. Life Member, Indian Laser Association
8.	Mrs Saritha A C	1. Life Member, Photonics Society of India



b) International committees

Sl. No.	Name of the faculty	Committee
1.	Dr K Indulekha	 Member, International Science Development Team, Thirty Meter Telescope (signatory-DST) International Affiliate Member, American Astronomical Society
2.	Dr C Sudarsanakumar	 Life Member, Alumni, Ohio State University, USA Member of the Institute of Physics, USA. Member of American Chemical Society
3.	Dr N V Unnikrishnan	1. Member of American Chemical Society

b) Editorial Boards: Nil

c) any other (please specify)

Sl. No.	Name of the faculty	Committee Reviewer for Journal of Astrophysics & Astronomy		
1.	Dr K Indulekha			
2.	Dr C Sudarsanakumar	Reviewer of the following journals 1. Material Science in Semiconductor Processing 2. Journal of Molecular Modelling Member of Board of Studies: Department of Physics, CUSAT, Cochin Department of Instrumentation, CUSAT, Cochin Department of Optoelectronics, University of Kerala Department of Physics, CMS College, Kottayam Department of Physics, SB College, Changanassery		
3.	Dr N V Unnikrishnan	 Reviewer of the following journals Journal of non crystalline solids Materials letters Journal of analytical and applied pyrolysis Journal of luminescence Physica b: physics of condensed matter Optical materials Materials chemistry and physics Advances in chemistry and material science Materials science and engineering Applied surface science International journal of biochemistry and biotechnology Journal of modern optics Journal of optoelectronics and advanced materials The journal of physical chemistry 		



4.	Dr. Nandakumar Kalarikkal	Reviewer of the following journals RSC Advances Journal of Sol-Gel Science and Technology Journal of Materials Science Journal of Magnetism and Magnetic Materials
5.	Dr Cyriac Joseph	 Reviewer for Journal of Crystal Growth Journal of Physics and Chemistry of Solids Journal of Luminescence New Journal of Chemistry Thin Solid Films Spectrochimica Acta
6.	Dr P R Biju	Reviewer of the following journals Journal of Luminescence Journal of electronic Materials Journal of Alloys and Compounds

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

No of Refresher courses attended	6
No of Orientation Programs attended	2
No of Faculty Development Programs	1
No of Workshops attended	16

28. Student projects

Percentage of students who have done in-house projects including	20%
inter-departmental projects	
Percentage of students doing projects in collaboration with other	80%
universities / industry / institute	

29. Awards / recognitions received at the national and international level by

a) Faculty

Name of the faculty	Details
Dr. Antony	UGC research award 2015



b) Doctoral / Post-doctoral fellows -

Doctoral / Post- doctoral fellows	Details			
Rithesh Raj	Best Oral presentation by at the National seminar on Advances in Crystal Growth and Nanotechnology held at CSM College Kottayam during Jan 15-16, 2016			
Raneesh B	Second position in poster presentation, The second international conference on Optoelectronic materials and Thin films for Advanced Technology (OMTAT 2013), Cochin University of Science and Technology, Cochin, January 3-5, (2013)			
Ms Rehana P Ummer,	Best award for oral presentation, 15 th National Symposium on Material Science, IIT Bombay, Mumbai May 18-24 (2015)			
Ann Mary K A	Best paper Award in Physical Science in the 26th Kerala Science Congress held at Kerala Veterinary and Animal Science University Wayanad during 28 to 31 Jan 2014			
Prasanth S	Best poster Presentation award to, in the national seminar on Photonics and Its application held at University of Kerala during Dec 9-11 2015			
Remya Mohan	Best Poster Award for at the National Seminar on nano-scale Science & Technology, Devamatha College, Kuravilangad 2015			
El Hadji Mamour Sakho	Best Poster Award at the International Conference on Advanced Materials for Power Engineering 2015 conducted by Wroclaw Technical University & Mahatma Gandhi University 2015			
Robin Agustine	 International Conference on membranes, organized by the Centre for Environment Education and Technology (CEET), Advanced Centre of Environmental studies and sustainable Development (ACESSD), Mahatma Gandhi University, Kottayam. Best poster award Biomedicine 2014, National seminar organized by Pushpagiri Research centre, Tiruvalla, Kerala, May 3rd, (2014). Obtained Best poster award Second International Conference on Nanomaterials: Synthesis, Characterization and Application. Organised by Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam, January 12-15 (2012) Obtained Second prize in poster presentation International conference on Tissue Engineering and Regenerative medicine (ICAPM_2013), Organised by centre for excellence in tissue engineering, National Institute of Technology, Rourkela, Odisha, November 15-17 (2013) Obtained Best award for Oral presentation 			



c) Students - Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (National/International) with details of outstanding participants, if any:

Year	Seminars/ Conferences/Workshops	Source of funding	outstanding participants
2010	National workshop on Materials characterisation by diffraction Methods, M G University Kottayam, February 24-25, 2010	UGC-SAP	Dr.Santhosh Kumar PN Dr. Manoj N, IIT Madras
2011	National workshop on Mathematical Methods in (Astro)Physics, M G University Kottayam, March 23-25, 2011	MGU & IRC, Kochi	Dr. Gayatri Vivekanand Prof.M Sabir, CUAST
2012	National Seminar on Advanced Materials, SPAP M. G. University, January 19-20, 2012.	UGC SAP	Prof. CP Grija Vallabhan, Prof. VPN Nanmburi CUSAT
2013	National seminar on 100 years of crystallography, 2013, SPAP, Mahatma Gandhi University, Kottayam.	MGU	Prof. P kumardhas. Periyar University
2014	 IYCr 2014, funded by Kerala State Council for Science Technology and Environment, Govt. of Kerala National seminar on photonics June 26 (2014) International Conference on Plasma & Nanotechnology and 29th National Symposium on Plasma Science & Technology 8-11 Dec 2014 (PLASMA-2014) Inculcate Science Propagation Program by Govt. of Kerala, 27 Sep 2014 	KSCSTE MGU BRNS KSCSTE Gov. Of Kerala	Prof. MRN Murthy IISC Bangalore Dr. Reji Philip,RRI, Bangalore Dr. PK Suresh, Central University Hyderabad Pathamasree Dr. PI Jhone, Former Director IPR
2015	 Seminar on "The Hunt for the Blue LED"-SPAP, 14, October, 2015 Seminar on Piezoelectric Thin Films – Influence of film texture for MEMS. SPAP, 18 June 2015. 	MGU MGU	Prof. NV Unikrishnan Dr. S Anil Kumar IISC, Bangalore



31. Code of ethics for research followed by the departments:

Codes of ethics are adhered to by the Department. Research papers and dissertations are cleared through software for checking plagiarism. Necessary licensed software for Mathematica, Matlab, Windows etc are made available for the students by the department in additional to free and Open Source Software. We follow good laboratory practices in the matter of disposal of waste and dangerous materials.

32. Student profile programme-wise:

Name of the		Selected		Pass percentage	
Programme (refer to question no. 4)	Applications received	Male	Female	Male	Female
Ph.D	33	16	17	100 %	100 %
MPhil	367	15	35	100 %	100 %
MSc	2340	22	77	91%	96%

33. Diversity of students

Name of the Programm e (refer to question no. 4)	students from the state students from of students from other Universities with in the		% of students of students from Universities from Outside state	% of students of students from other countries
Ph.D	47%	30%	20%	3%
M Phil	75%	20%	5%	Nil
M Sc.	30%	70%	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

2010-16

SET/SLET NET		GATE	State PSC	
	01	10	15	07

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	20%

PG to Ph.D.	30 %
Ph.D. to Post-Doctoral	10 %
Employed	Nil
Campus selection Other than campus recruitment	50 %
Entrepreneurs	Nil

36. Diversity of staff:

Percentage of faculty who are graduates			
Of the same university	43		
Of other universities within the State	28		
Of universities of other States	29		
Of universities outside the country	0		

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library	Yes, 4755
b) Internet facilities for staff and students	Yes
c) Total number of class rooms	4
d) Class rooms with ICT facility	Yes
e) Students' laboratories	3
f) Research laboratories	 Synthesis Lab Characterization and testing lab Advanced material Lab Thin film Physics Biomolecule Plasma Physics Sol-Gel Lab Solar Physics Crystalline Materials Optoelectronics Lab High computing Lab Crystallographic Lab



39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university:

Name of Guide	Name of Scholar	Post-doctoral
	Vineeshkumar P V	
Dr C Sudarsanakumar	Prashanth S	
	Haris P	
	Mary Varghese	
	Aparna P	
Dr. Nandakumar	Parvathy N	
KalaKalarikkal	Ann Rose Abraham	
Kalakalalikkal	Rehana P Ummer (Awarded)	
Dr Cyriac Joseph	Sisira S	
	Vimal G(Awarded)	
	Kamal P Mani(Awarded)	
	Sreekala G	
Dr C Venugopal	Manesh Michael	
	Anu Varghese	
	Savithri Devi	
Dr P R Biju	Viji Vidyadharan(Awarded)	
	Remya Mohan P	
Prof. N V Unikrishanan	Sajna M.S	
FIOI. IN V UIIKIISIIANAN	Prakashan V. P	



b) from other institutions/universities :

Name of Guide	Name of Scholar	Post-doctoral
Dr C Sudarsanakumar	Rithesh Raj D Riju K Thomas	
Dr. Nandakumar Anshida Mayeen KalaKalarikkal El Hadji Mamour Sakho (Awarded)		
Dr Cyriac Joseph	Dinu Alexander Kukku Thomas Linchu Ann Jacob Sanu Mathew Simon	
Dr C Venugopal	Sijo Sebastian	
Dr P R Biju	Anns George Saritha K Jose Sreeja E Subash Gopi	
Prof . N V Unikrishanan	Rani George Manju Gopinath	Dr. Anoop Dr . Gejo
Dr. S Antony	Akhila J C Kumar	

40. Number of post graduate students getting financial assistance from the university: 23

Mention the e grants students No (2010-16)

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes. The Faculty Council assessed that to combat the shortage of faculty it would be good to develop our own MOOCs for teaching purposes. The suggestion which came up from one of the faculty was put up in the Faculty Council and after thorough discussion of the pros and cons a decision to go ahead with the planning was made. It was proposed to enter into new MoUs with national / international institutions for more effective implementation of the same and conduct brain-storming sessions for settling the details.

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as teaching-	Yes. Discuss the matter in the				
learning-evaluation? If yes, how does the		department council and suggest				
department utilize the feedback?		appropriate measures				
b)	Students on staff, curriculum and teaching-	Yes. Discuss the matter in the				
	learning-evaluation and how does the	department council and suggest				
	department utilize the feedback?	appropriate measures				
c)	Alumni and employers on the programmes	Yes. The department council regularly				
	offered and how does the department utilize	discus the feedback from Alumni and				
the feedback?		design future academic strategies				
		accordingly				



43. List the distinguished alumni of the department:

Sl No.	Name	Current Position	Remarks
1.	Dr Rahul R Nair	Professor of Material Physics and Fellow of Royal Society Condensed Matter Physics Group, University of Manchester and a Royal Society University Research Fellow.	Member in the Research team of Prof Andre Geim who won the Nobel Prize in Physics for work with Graphene. He has been awarded the Moseley Medal & Prize for Early Career Researchers by the Institute of Physics.
2.	Prof. Ajith Parameshwaran	Associate Professor, International Centre for Theoretical Sciences TIFR.	Detection of gravitational waves. Breakthrough 1million US\$ Prize in Fundamental Physics awarded to the LIGO Team for detection of gravitational waves.
3.	Dr Gin Jose	Chair in Functional Materials at the University of Leeds	Developed a small device with low- powered lasers to measure blood glucose levels without penetrating the skin. It could give people a simpler, painfree alternative to finger pricking.
4.	Dr G Ajith Kumar	Post-doctoral fellow, University of Texas, San Antonio, USA	Recipient of SPIE Green Photonics Award for work on "Infrared excited Yb: Er: Y2O2S phosphors with intense emission for lighting applications"
5.	Dr Pramod Gopinath	Director, International School of Photonics, Cochin University of Science & technology	
6.	Dr K N Narayanan Unni	Director, Photochemistry Laboratory NIIST (CSIR) Trivandrum	
7.	Dr Naslim Neelamkodan	EACOA Fellow at Academia Sinica Institute of Astronomy and Astrophysics (ASIAA)	discovery of the most Zirconium rich Star till date



8.	Dr Harsha S Kumar	Manitoba University, Canada	
9.	Dr Vinu Vikram	Kavli Institute for Cosmological Physics as KICP Associate Fellow.	
10.	Joji Joykutty	Intellectual Property (IP) Analyst at General Electric Global Research Center in Bangalore	

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

- 1. Talk by John Philip Head SMARTS IGCAR Kalpakkam, TN 'Light and the Nano World' 25th Feb 2016
- 2. Dr A M Vinodkumar Calicut University Fusion : Quest for Super Heavy Elements 6 April 2016
- 3. Radio Astronomy Data & Its Analysis by Rabi Akkiba Angiras Member SKAIC Science Working Group 11 Jan 2016
- 4. Einstein Lecture Series on Gravitational Waves partially funded by ICTS TIFR Bala Iyer Feb 2nd 2016
- 5. Talk by Dileep Karanth University of Toledo, Erudite Lecture on Pseudopotential studies of nanowires and nanorings September 28 2015
- 6. Infosys Science Foundation Lecture by Prof G Ravindra Kumar Extreme Light Extreme States 29 March 2016

45. List the teaching methods adopted by the faculty for different programmes: Power point presentations, Problem solving session, interactive sessions, suggested online material, abstract / quantitative reasoning training

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Assessment through internal test, seminars, assignments and examinations

47. Highlight the participation of students and faculty in extension activities

- 1. Visiting Charity institution and financial assistance through donation
- 2. Cleaning the department and premises in connection with Swachh Bharath Yojana
- 3. Faculty contribute to science blogs in the regional language
- 4. Faculty contribute to programs of the All India Radio as well as visual media in both English as well as the Regional Language aimed at raising the scientific temper of the nation
- 5. Faculty guide student projects at the national level in KVPY, IISER and



NISER summer programs

6. Faculty guide students from affiliated colleges in their M Sc course projects

48. Give details of "beyond syllabus scholarly activities" of the department:

- Students are encouraged to participate and present work in Workshops and Schools which train them in advanced methods related to the contemporary research endeavors of the nation.
- Providing training in scientific instruments.
- Students are participating in Quiz completion conducted by other institutions and students are participating in competitive cultural programs.
- Students are encouraged to give seminars on topics of their own choice of current and / or historical interest.
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details : No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The department has made many meaningful contributions to the field of Materials Science, Nanoscience, Materials for Medical Applications, Quantum Optics, Photonic Materials, Crystalline materials, Magnetic Materials, Molecular Basis of the Therapeutic Properties of Biological Materials, Plasma Physics, Solar Physics and in development in Astronomy & Astrophysics. The advancements have been recorded in more than 200 publications and chapters in Books. Contributions to Science Development have gone into the Detailed Science Cases and Reports of Working Groups for telescopes in the planning stage wherein India is a participant.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strength

- Trained and research oriented technical support.
- Funding support from National State and Internal agencies.
- Variety and scope of the fields of research.
- Very good organizational work culture.
- Very good sophisticated instrument facility.

Weakness

- The Faculty group is small due to unfilled posts.
- Students at entry have little training in abstract / quantitative reasoning.
- There is pressure on the student community due to paucity of jobs suited to their talents and qualifications.



• Difficulties in carrying the fruits of research to product level due to lack of support for product development.

Opportunities

- There is scope for attracting world class faculty to the unfilled posts.
- Training in abstract / quantitative reasoning will put them head and shoulders above their compatriots.
- There is scope for exploring ways and means to broaden the scope of physics courses to garner more job options.
- Tie-ups with industry / technical training institutions as a means for laying the ground work for product development.
- There is scope for promoting training programs in abstract quantitative reasoning.

Challenges

- Development of training modules for students to develop global competitiveness.
- Exploring means to alleviate economic pressures on students that quite often prevent bright students from entering a research career.
- Social facilitation for women to effectively take up academic / research careers without compromising on their family life.
- Generating more academic / research related jobs which currently are few and far between the higher the qualification of the job-seeker.

52. Future plans of the department.

- Intensifying research activities in the field of Nano-materials for biomedical applications.
- Offering a new courses in developing fields in physics at MSc / MPhil level.
- Submission of new project proposals for funding in various socially relevant research schemes.
- Convening conferences in joint collaboration with national and international institutions.
- Intensifying international collaboration leading to MoUs that facilitate student exchange.
- Exploring technologically useful optical and magnetic materials.
- Theoretical investigations of level widths in photonic materials.
- Inter -departmental efforts with the School of Computer Sciences for technical and scientific training of students in evolving methodologies for the computer science and computer application related components of the work flow of the Indian contribution to the Square Kilometre Array –the





largest Radio Telescope in the world, a multi-national initiative of which India is a member, with the DAE as signatory.

- Establishing the molecular basis of the therapeutic effectiveness of Ayurveda
- Exploring plasma wave instabilities in multi-ion space plasmas.



SCHOOL OF SOCIAL SCIENCES

1.	Name of the Department	:	School of S	Social Science	ees	
2.	Year of establishment	:	1989			
3.	Is the Department part of a School/Faculty of the University? Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	Yes, Faculty of Social Sciences MA. History MA Anthropology MPhil General Social Sciences MPhil Social Transformation and Empowerment MPhil Human Ecology and Natural History Ph.D Social Sciences			
5.	Interdisciplinary programmes and departments involved		From the inception of the School it has been practicing interdisciplinary research and teaching.			
6.	Courses in collaboration with other universities, industries, foreign institutions, etc		No			
7.	Details of programmes discontinued, if any, with reasons		No			
8.	Examination System		Semester (Choice Based Credit System)			
9.	Participation of the department in the courses offered by other departments		M.A. students audit open courses offered by other Schools of the university			
10	Number of teaching posts, sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)		Professor	Sanctioned 1	Filled 0	Actual(includi ng CAS & MPS)
			Associate Professors	2	2	2
			Asst. Professors	4	2	2
			Others	3	3	3



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

Name	Qualification	Designation	Specialization	No. of years of Experience	No.of Ph.D./MPhil. Students guided for the last 6 years
Dr.Raju S	Ph.D	Associate Professor Profes		25	PhD=9 M.Phil=10
Dr. P. Sanal Mohan	Ph.D	Associate Professor	Ethnography, Social History, Subaltern Studies, and all fields of social sciences	23	PhD=3 M.Phil=8
Smt. Radhika P.	M.Phil	Assistant Professor	Historical sociology, gender studies, Historiography, All fields of social sciences	20	PhD=3 M.Phil=10
Dr. Rajesh Komath	Ph.D	Assistant Professor	Development Studies, Folkloristics, Social theory and all fields of social sciences	10	PhD=3 M.Phil=11
Dr.Girishkumar TS	Ph.D	Professor	Philosophy		
Dr.K T Ram Mohan	Ph.D	Professor	History of Development, Political Economy, Economic History, Global Commodity Chains	Retired May 2016	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- Prof. M.G.S. Narayanan;
- Prof. KeshavanVeluthat.



13. Percentage of classes taken by temporary faculty- Programme-wise information.

M.A. (History)	15%
M.A. (Anthropology)	50%
M.Phil (General Social Sciences	15%;
M.Phil (Social Transformation and	25%;
empowerment)	
M.Phil (Human Ecology and Natural History)	25%
PhD (all fields of social sciences)	10%

14. Programme-wise Student Teacher Ratio:

PG	4:1
MPhil	4:1
Ph.D	6:1

15. Number of academic support staff (technical) and administrative staff: Sanctioned, filled and actual:

	Sanctioned	Filled	Actual
Technical	1	1	1
Administrative Staff	4	2	2

16. Research thrust areas as recognized by major funding agencies:

- History of Development
- Political Economy
- Economic History
- Global Commodity Chains
- Anthropology
- Economic Anthropology
- Human Ecology
- Subaltern Studies
- South Indian Temples.



17. Number of faculty with ongoing projects from a) national-b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project – wise.

a) national

Sl. No	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)		
1	"Self-Help Groups in Kerala: A Study in Economic Sociology"	2015-17	UGC, New Delhi	3.5		
2	"Unfavorable Inclusion of Dalits in Higher Education: A Study on the Linkages of Colonies, Schools and Colleges in Kerala"	2014-15	Kerala State Higher Education Council, Government of Kerala	1 .00		
3	"TheyyamKettu of Kerala: The Economy and Labour of Performance"		ICSSR, New Delhi	9 .00		
4	Archives sans Borders MGU	2016-17	Government of Kerala	23.70		
5	ABILITY Project for Physically Challenged and Visually Impaired		Government of Kerala	83.00		
	TOTAL					

b) international: Nil

c) Total grants received: ₹ 120.20 Lakhs

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration : Nilb) International collaboration :Nil



19. Departmental projects funded by DST-FIST;UGC-SAP/CAS,DPE;DBT, ICSSR,AICTE, etc; total grants received:

S	l No.	Title of the project and period of grant	Funding agency	Duration	Budget Outlay in Lakhs (₹)
	1	Evaluation of Ecodevelopment Programme at Periyar Tiger Reserve), (From March, 2009 April, 2011)	Periyar Foundation, PeriyarThkkady.	2.Years	6.20

Total grants received: ₹ 6.20 Lakhs

20. Research facility/Centre with

State recognition : Yes
 National recognition : Yes
 International recognition : No

21. Special research laboratories sponsored by created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	09
2.	Monographs	Nil
3.	Conference Proceedings	26
4.	Chapters in Books	18
5.	Edited Books	1
6.	Books authored with ISBN	4
7.	Books authored without ISBN	5
8.	Articles in popular publications	16
9.	Total	79

• Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences



Directory, EBSCO host, etc.): Nil

• Citation Index – range / average : Nil

• SNIP : Nil

SJR: Nil

23. Details of patents and income generated: NIL

24. Areas of consultancy and income generated: NIL

25. Faculty selected nationally/internationally to visit other laboratories/institutions/industries in India and abroad:

Abroad

- Centre for Advanced Study of India, University of Pennsylvania; Philadelphia
- Max Planck Institute for the Study of Religious and Ethnic Diversity, Germany
- Goldsmiths, University of London
- Southern Methodist University, Texas

26. Faculty serving in

National committees b) International committees c) Editorial Boards d) any other (please specify)

a) National committees

Sl. No.	Name of the faculty	Committee		
		 Member, Governing Council, Madras Institute of Development Studies, Chennai 		
1.	Dr. P. Sanal Mohan:	Member, Governing Body, Kerala Council for Historical Research, Kerala		
		Member, Governing Body, CREST		

- b) International committees Nil
- c) Editorial Boards Nil
- d) any other (please specify) -Nil
- 27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs):

Dr. Rajesh Komath

• UGC sponsored Orientation Course- Two

28. Student projects

Percentage of students who have done in-house projects including inter-departmental projects:	25%
Percentage of students doing projects in	Nil
collaboration with other universities /industry /	
institute	



Mahatma Gandhi University

29. Awards/recognitions received at the national and international level by

• Faculty: Dr. Raju S, UGC Research Award (One)

• Doctoral / post-doctoral fellows : Nil

• Students: Nil

30. Seminars/Conferences/Workshops organized and the source of funding(national/international) with details of outstanding participants, if any,

Year	Seminars/ Conferences/Workshops	Source of funding	Outstanding participants
2010	One International Conference Associated with School of International Relations (MGU)	MGU	
2011	Co-ordinated three University level (2010-11, 2012) and two State level ACQUIRE UG Scholarship programme	Govt. of Kerala	
2012	Co-ordinated two State level PG Workshops (AQUIRE).	Govt. of Kerala	
2013	Three Scholar in Residence Programmes	Higher Education Council	GayathriSpivak, RomilaThapar, Partha Chatterjee
2015	Five day Social Science Methodologies Workshop	MGU	Prof. Ahmed Nissar
2016	M. Govindan Memorial Lecture on 'Post Humanism and Social Sciences'		Dr George Varghese K.
2016	Five day workshop on Assistive Technologies for Visually Impaired Students doing Social Sciences	MGU	

31. Code of ethics for research followed by the departments:

The School take out most care to avoid plagiarism in research publication and Ph.D. thesis. All the software being used for research are original

32. Student profile programme-wise. (year wise)

Name of the		Selected		Pass percentage	
Programme (refer to question no. 4)	Applications received	Male	Female	Male	Female
M.A			1		
2010-11		1	9	100%	100%
2011-13	56	5	9	100%	89%
2012-14	37	7	8	100%	88.5%



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2013-15	68	3	11	100%	100%
2014-16	148	4	9	100%	100%
2015-17	130	6	4	100%	100%
M.Phil:					
2011-12	58	7	10	100%	90%
2012-13	81	5	10	100%	90%
2013-14	90	4	11	100%	90.1%
2014-15	60	2	14	100%	100%
2015-16	51	4	8	100%	100%

33. Diversity of Students

Name of the Programme	% of Students From The Same University	% of Students From Tother University	% of Students From Universities Outside The State	% of Students From Other Countries
PG	20%	80%	0	0
M.Phil	18%	82%	0	0
PhD	40%	60%	0	0

34. How many students have cleared Civil Services and Defense Services examination, NET, SET, GATE and other competitive examinations? Give details category-wise –

NET : 7SET : 5

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil.	18%
PG to Ph.D.	25%
Ph.D. to Post- Doctoral	Nil
Employed	25
Campus selection	
Other than campus recruitment	
Entrepreneurs	Nil



36. Diversity of Staff

Percentage of faculty who are graduates				
Of the same university 0				
From other universities within the state	50			
From universities from other State from	50			
Universities outside the country 0				

37. Number of faculty who were awarded M.Phil; Ph.D, DSc and D.Litt. during the assessment period: One

Name of the faculty	Awarded M.Phil., Ph.D., D.Sc. and D.Litt		
Dr. Rajesh Komath	Ph.D		

38. Present details of departmental infrastructural facilities with regard to

a) Library:

Total Number of Books :12398; CDs : 179.

There is a reading hall and space for reading inside the stack room and computers are also available in the reference and stack rooms for ready access of the library users.

b) Internet facilities for staff and students: Available for both

c) Total number of class rooms: 2 class rooms and two seminar halls

d) Class rooms with ICT facility: Yes

e) Students' laboratories: Library

f) Research laboratories: NA

39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university

Doctoral Students: 48

Sl.No	Name of the Student	Year
1.	Anisha K A	
2.	Manjima M V	2011 batch
3.	Sharath P	2011 batch
4.	Sreesha K	
5.	D S Bendas	2012 batch
6.	Binu Raj	2012 baten
7.	Elizabeth Abraham	
8.	Akhila P Nair	
9.	Roopesh OB	

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10.	PrajeeshBhaskaran	
11.	Soumya PJ	
12.	Sivankutty VS	
13.	Sharath P	
14.	Arunkumar CP	
15.	Shajitha C	
16.	Jasimudeen S	
17.	Soumya P Markose	
18.	Vimal Kumar	
19.	Harish D	
20.	Indira B	
21.	Anchana A R	2013 batch
22.	Nithin K	
23.	Vipin Kumar	
24.	Binoy A A	
25.	Nancy Liza Thomas	
26.	Anish Mathew	
27.	Rajitha P P	
28.	Prasanth P	
29.	Anil P C	
30.	SathiKumariAmma V	
31.	Sajitha V	
32.	Gilu G Ettaniyil	
33.	Santhosh K N	
34.	Anish I	
35.	Saritha M S	
36.	Sabu K	2015 batch
37.	Susan Chandappilla	
38.	Girish Kumar V	
39.	AnatSuman Jose	
40.	Harish Babu	
41.	Radhakrishna Pillai C	
42.	Diana Mathews	
43.	Varughese K C	
44.	Rahul B R	
45.	Sooraj M V	
46.	Dinumon	2016 Batch
47.	Aswathy K V	
48.	Shynu V C	



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Post-Doctoral:1 (Dr. Alex Mathew)

40. Number of post graduate students getting financial assistance from the university. Period2011-2016

_	04.37
Egrants	81 No

41. Was any need assessment exercise undertaken before the development of new programme(s)? YesIf So, highlight the methodology. :

Yes, the Faculty Council evaluates the need for new programmes before its inception.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-	Yes, to improve the curriculum and	
learning-evaluation? If yes, how does the	pedagogy in general	
department utilize the feedback		
b) Students on staff, curriculum and teaching-	Yes, to improve the administrative	
learning-evaluation and how does the	facilities and efficiency	
department utilize the feedback?		
c) Alumni and employers on the programmes	Yes, to retrospect the relevance of the	
offered and how does the department utilize	courses offered and points to	
the feedback?	modernising governance.	

43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position		
1.	Dr. P. K. Michel Tharakan	Former Vice-Chancellor of Kannur University		
2.	Sujith Kumar Parayil	Assistant Professor, Centre for Media Studies, Jawaharlal Nehru University		
3.	BinduMenon	Associate Professor, Lady Sriram College, New Delhi		
4.	Justin Mathew	Assistant Professor, Hansraj College, University of Delhi		
5.	Susan Thomas	Assistant Professor, SreeShankaracharya Sanskrit University		
6.	Amruth M.	Scientist, Kerala Forest Research Institute		
7.	Suresh M.,	Assistant Professor, Tata Institute of Social Sciences, Bombay		
8.	Saji M Kadavil,	International Consultant, CSR and Business Development, New Delhi		
9.	J. Devika,	Associate Fellow, Centre for Development Studies, Trivandrum		
10.	S. Maya	Assistant Professor, Kerala Varma College, Thrissur		



44. Give details of student enrichment programmes (Special lectures/workshops/ seminar)

Involving External Experts.

- Prof. M.G.S. Narayanan on Trade Routes of Ancient India (Three days)
- Prof. K.N. Ganesh on Doing History (One day)
- Prof Nissar Ahmed, on Research Methodologies (Five days)
- **45.** List the teaching methods adopted by the faculty for different programmes: Class Room Lectures, Special Lecture, Tutorials, Written Assignments, Archaeological excavations, social field work, ICT
- **46.** How does the department ensure that programme objectives are constantly met and learning outcomes are monitored: Recurring monitoring, presentations of papers, written examination, participation in discussions, interventions during seminars
- 47. Highlight the participation of students and faculty in extension activities:

Building Ethno-Archaeological Museum, Archaeological excavations, visiting the heritage sites, Nature camps, projection of films

48. Give details of "beyond syllabus scholarly activities" of the department:

All research activities of School of Social Sciences go beyond disciplines and constitute objects for investigation such that they cannot be put within the rubric of syllabus. Well conserved archaeological Museum with objects belonging to megalithic period on wards.

- **49**. State whether the programme/department is accredited/ graded by other agencies? If yes, Give details. : Nil
- **50.** Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Interdisciplinary, Foundation course on Social Science- Concepts and Methodologies, Furthered the frontier of Social Scientific research, theoretical inputs, introduced latest theoretical knowledge of society,
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Critical Theoretical Thinking,
- Ethno-Archaeological Museum
- Excellent Library for Social Science Research and learning
- ABILITY Station for enabling learning
- Combination of students belonged to different disciplines.

Weakness:

- Inadequate Faculty Strength
- Limited e-journal access
- Limited number of modern smart class rooms
- Absence of University bus service
- Interrupted power supply

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Mahatma Gandhi University

Opportunities:

- There is ample opportunity for studentshaving different backgrounds to perform high level research in the field of social science.
- Students are given possibility to work at the grass root level.
- Students have the opportunity participate in seminars/workshops/conferences of any social science disciplines/branches.
- Opportunity for the students to work in the ethno-archaeological museum of the School.

Challenges:

 Administrative challenges impeding responsiveness to the requirement of the academic community of the School, strengthening of the faculty positions, widening of the academic domain, acquire state of the art teaching aids such as smart class room to draw students from outside the State/Nation etc.

52. Future plans of the department.

- School intent to introduce new courses/programmes that attract international students with specific courses on Kerala since it is a unique entity for social investigation and knowing.
- To go beyond the existing paradigms and episteme of knowledge.
- Convert the existing SSS campus into a residential complex.
- Plans to perpetuate ABILITY project for physically challenged and visually impaired and to enrich its facilities.
- Create an outdoor ethno-archaeological park displaying and preserving both living and non-living traditions and heritage.
- Digitize the entire library and collecting source materials from various libraries and individual collections by making itan open source.



SCHOOL OF TOURISM STUDIES

1.	Name of the Department	:	SCHOOL OF TOURISM STUDIES			
2.	Year of establishment	:	2010			
3.	Is the Department part of a School/Faculty of the University?	:	Yes, The School is a part of Faculty of Management Sciences			
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt.etc)		Master of Tourism Management (MTM) from 2010 to 2015- renamed as Master of Tourism and Travel Management (MTTM) from 2015 onwards as per UGC Circular. Description 1			
5.	Interdisciplinary programmes and departments involved		• Ph.D.: From 2015 onwards (1)Tourism Studies, (2) Hospitality Studies and (3) Foreign Languages. The School has adopted interdisciplinary approach as a conceptual plank in framing of all its programmes			
6.	Courses in collaboration with other universities, industries, foreign institutions etc		Nil			
7.	Details of programmes discontinued, if any, with reasons		Nil			
8.	Examination System		Semester (Cho	ice Based Cr	edit and S	Semester System)
9.	Participation of the department in the courses offered by other departments		Nil			
10.	Number of teaching posts, sanctioned, filled			Sanctioned	Filled	Actual(including CAS & MPS)
	and actual (Professors/Associate Professors/Asst. Professors/others)		Professor Associate Professors	2	1	
	1101055015/0011015)		Asst. Professors	2	0	
			Others	5	4	-



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

Name	Qualification	Designation	Specialization	No. of years of Experience	No.of Ph.D./MPhil. Students guided for the last 6 years
Dr.Robinet Jacob	MTA, PhD, IATA Standard & Advanced	Associate Professor	Aviation Management, Health Tourism, Sustainable Tourism	20 years	2 students awarded PhD, currently guiding 1

12. List of senior visiting fellows, adjunct faculty, emeritus professors: Adjunct Faculty- International & National:

Sl. No	Name	Visiting Fellows/Adjunct faculty/ Emeritus professors	Specialization
1.	Dr.Abey Kuruvilla, Associate Professor, University of Wisconsin-Parkside, USA	Adjunct Faculty	Cross cultural Understanding
2.	Dr. Toney K Thomas, Associate Professor & Deputy Dean, Department of Tourism, Events and Recreation, Taylor's University, Malaysia	Adjunct Faculty	Destination Benchmarking
3.	Dr Vinayraj Mothiravally, Deputy Dean, Department of Hospitality Management, Taylor's University Malaysia	Adjunct Faculty	Hospitality Management
4.	Dr. B George, Associate Professor, Madurai Kamaraj University, Madurai	Adjunct Faculty	Sustainable Tourism, Research Methodology
5.	Dr.Sampad Kumar Swain, Professor, Dept of Tourism, Amarkantak Central University	Adjunct Faculty	Transport Management
6.	Dr. R. Kannan, Associate Professor and Director, Avinashalingam University for Women, Coimbatore	Adjunct Faculty	Hospitality Management
7.	Dr.Bindu V.T, Associate Professor and HOD, Avinashalingam University for Women, Coimbatore	Adjunct Faculty	Travel Geography
8.	Dr.Siby P.S, Assistant Professor, Dept. of Tourism Studies, Pondicherry Central University, Puducherry	Adjunct Faculty	Logistics Management
9.	Dr.Shyju P.J, Assistant Professor, Benaras Hindu University, Banaras	Adjunct Faculty	Aviation Management



10.	Dr.Binoy T.A, Coordinator, Kuvempu University, Shimoga, Karnataka	Adjunct Faculty	Sustainable Tourism
11.	Dr.Sibi P.S, Assistant Professor, Pondicherry University, Puducherry	Adjunct Faculty	Event Management
12.	Dr.Sindhu R. Babu, Assistant Professor, Govt. College Manjeswar, Kasargode	Adjunct Faculty	Information Communication Technology for Tourism
13.	Dr.Deleep D, Assistant Professor, GPM College, Manjeswar, Kasargode	Adjunct Faculty	Health Tourism
14.	Dr. Sebastian George, Associate Professor, St. Thomas College, Pala	Adjunct Faculty	Research Methodology
15.	Dr. P. PremKanna, Associate Professor, Hindustan College of Arts and Science, Coimbatore.	Adjunct Faculty	Hospitality Management

13. Percentage of classes taken by temporary faculty- Programme-wise information.

Programme	2010-16
Master of Tourism and Travel	
Management (MTTM)	80%

14. Programme-wise Student Teacher Ratio;

Programme	Student Teacher Ratio
MTTM	8:1
PhD	2:1

15. Number of academic support staff (technical) and administrative staff: Sanctioned, filled and actual:

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	1	Nil	Nil	Nil
Technical Staff	1	Nil	Nil	1



16. Research thrust areas as recognized by major funding agencies:

The school offers Ph.D in the following key areas or thrust areas:

- Disaster Risk & Management in Tourism Destinations
- Tourism Impacts / Sustainable Tourism
- Tourism Product Development
- Tourism Industry sectoral Studies
- Accessible Tourism
- Destination Management
- Destination Benchmarking
- Adventure Tourism
- Culinary Tourism
- Accommodation Management
- Cultural Tourism

17. Number of faculty with ongoing projects from a) national- b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project – wise.

a) national

Sl. No	Project Title	Period	Funding agencies	Total Fund (₹ in lakhs)
1.	Making Kerala's Tourism destinations with minimal disaster risk: a geographic approach"	2016-18	(ICSSR) Indian Council of Social Science Research	8.00

b) International: Nil

c) Total grants received: ₹8 Lakhs

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

Sl. No	Project Title	Period	Funding agencies	Total Fund (₹ in lakhs)
1.	"Social Media as an influencer among foreign tourists visiting India"	2014-16	Indian Institute of Tourism and Travel Management and Ministry of Tourism, Govt. of India	1.00
2.	Discover Kottayam	2014-16	District Tourism Promotion Council (DTPC), Kottayam	1.66



b) International collaboration

Sl. No	Project Title	Period	Funding agencies	Total Fund (₹ in Lakhs)
1.	Project for Mango Languages	2011 – 12	Mango Languages, USA	0.75

Total grants received: ₹ 3.41 Lakhs

19. Departmental projects funded by DST-FIST;UGC-SAP/CAS,DPE;DBT, ICSSR,AICTE, etc; total grants received:

Sl.No.	Title of the Project	Funding Agency	Grant Received (Lakhs)	Duration
1.	State Annual Plan Fund	Govt of Kerala	200 Lakhs	2015- 2016

Total grants received: ₹ 200 Lakhs

20. Research facility/Centre with

State recognition : Yes
 National recognition : Yes
 International recognition : No

21. Special research laboratories sponsored by created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	6
2.	Monographs	Nil
3.	Conference Proceedings	7
4.	Chapters in Books	1
5.	Edited Books	1
6.	Books authored with ISBN	5
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	200
9.	Total	220



- Citation Index range / average : 6
- SNIP NA
- SJR -NA
- Impact Factor range / average
- h-index: 1
- 23. Details of patents and income generated: Nil
- **24.** Areas of consultancy and income generated: Three

Income generated

Sl. No.	Item with Year	Income in Lakhs
1.	Preparation of Language training modules for Mango Languages, USA (2011 – 12)	0.75
2.	Destination Development programme –Discover Kottayam for District Tourism Promotion Council (DTPC), Kottayam, 2015-16	1.66
3.	Implementing partner for Certified Tour Advisor (CTA) programme of District Tourism Promotion Council (DTPC), Ernakulam, 2015	0.20
	TOTAL	₹ 2.61

25. Faculty selected nationally/internationally to visit other laboratories/institutions/industries in India and abroad: (national- 7, International- 5)

Sl. No	Title of the Lecture / Academic session	Title of Seminar / Conference etc	Organised by	Whether International / National
		Dr.Robinet Jaco	b	
1.	Special Lecture on Health Tourism	Avinashilingam University, Coimbatore, 19 March 2012	Avinashilingam University, Coimbatore, 19 March 2012	National
2.	Keynote Address in the National Seminar on The Prospects of Responsible Tourism in Developing Rural Areas	National Seminar on The Prospects of Responsible Tourism in Developing Rural Areas, 9-10 April 2013	Department of Tourism, S.N Arts & Science College, Kumarakom	National
3.	Special Lecture on Cultural Differences in Tourism	Pazhassi Raja College, Pulpally on 21 March, 2014	Pazhassi Raja College, Pulpally on 21 March, 2014	National



4.	Cross Cultural linkages and Tourism	G.A Pai memorial Govt. College, Manjeshwar, Kasargode, 29, 30 September, 2014	G.A Pai memorial Govt. College, Manjeshwar	National
5.	Emerging Trends in Health Tourism	SreeSankaracharya University of Sanskrit, Kalady, 13-14 February, 2014	SreeSankaracharya University of Sanskrit, Kalady, 13-14 February, 2014	National
		Abin K.I		
6.	Resource personUGC sponsored national seminar on "Academic Plagiarism & Bibliographic Reference Management System"	Topic: Effective Writing of Academic Articles, (on August13 th & 14 th -2014)	St Stephens College, Uzhavoor.	National
7.	Resource person for UGC sponsored National seminar	Responsible Tourism 26 th February 2016.	St Xaviers college, Vaikom	National

S No	Title of the Lecture / Academic session/ Activity	Title of Seminar / Conference/ Institution etc	Whether International / National			
Dr.Robinet Jacob						
1.	Research in the area of Social Media use among tourists visiting Kerala as well as comprehensive access audits for tourism destinations in Kerala, India.	University of Wisconsin-Parkside, Milvaukee, USA, July 2016	International			



2.	Destination Branding through Community Involvement: A case study of 'Discover Kottayam' initiative from Kerala"	Conference of ICBTS International Sustainable Development Business and Tourism, Boston, USA, June 30 - July 1, 2016	International
3.	Role of Social Media in influencing Travel decision making among foreign tourists visiting Kerala	Annual conference of International Society of Travel and Tourism Educators (ISTTE), Charlotte, North Carolina, USA, October 15 - 17, 2015	International
4.	Barrier Free Tourism for Equitable and Sustainable Tourism Development and Management in Kerala	Annual conference of International Society of Travel and Tourism Educators (ISTTE), Detroit, Michigan, USA, October 17-19, 2013.	International
5.	Product Attractiveness of Kerala House Boats In Promoting Tourism - A Performance Analysis	Annual conference of International Society of Travel and Tourism Educators (ISTTE), Miami, USA - 20 Oct -22 nd Oct, 2011	International

26. Faculty serving in

a) National committees

Sl. No.	Name of the faculty	Committee
1.	Dr.Robinet Jacob	 Subject Expert & Member, inspection committee for assessing fresh/ ongoing Major research projects (MRP), University Grants Commission, New Delhi, September, 2014. Project Co-ordinator for project sanctioned by Ministry of Tourism, Government of India through IITTM (Indian Institute of Travel and Tourism Management). Member, Staff Selection Committee, Avinashilingam University, Coimbatore, 19/11/2012.



b) International

Sl. No.	Name of the faculty	Committee
1.	Dr.Robinet Jacob	 Conference Chair in the Annual conference of International Society of Travel and Tourism Educators (ISTTE), Miami, USA - 20 Sept -22nd Oct, 2011 Editor & Content Developer for online Malayalam language & cultural studies for Mango Languages, a US company (2011) (www.mangolanguages.com).

c) Editorial Boards

Sl. No.	Name of the faculty	Committee		
1.	Dr. Robinet Jacob	Member, Editorial Board (August 2014 onwards – still continuing) of journals published by Horizon Research Publishing Corporation, Alhambra CA, USA		

d) any other

	u) any other				
Sl.	Name of the	Committee			
No.	faculty				
1.	Dr.Robinet Jacob	 Member, Academic Council, M.G University (2015-18) Convener, Expert Committee (P.G) for Tourism Studies, M.G University (2015-18) Chairman, Board of Studies, School of Tourism Studies, M.G University (2014-2017) Member, Board of Studies for Commerce and Tourism, Mar Ivanios College, Thiruvananthapuram (2014-16) Member, Board of Studies in Tourism, Avinashilingam University, Coimbatore. (2015-17) Member, Board of Studies, Travel and Tourism, Kannur University. (2015-17) Member, Board of Studies in Heritage Tourism, Malayalam University (2015-17) Member, Board of Studies, Travel &Tourism, Calicut University. (2013-16) Formerly Convener, Expert Committee (U.G) for Tourism Studies, M.G University (2013-16) Formerly Member, Board of Studies, Travel and Tourism, Kannur University. (2013-16) Formerly Member, Board of Studies in Tourism, Avinashilingam University, Coimbatore (2013-15) 			



- 12. Formerly Convener, Expert Committee (P.G) for Tourism Studies (MTA), M.G University (2012-15)
- 13. Formerly Chairman, Board of Studies, School of Tourism Studies, M.G University (2010-13)
- 14. Formerly Member, Board of Studies, Tourism and Travel Management, Kuvempu University, Shimoga.(2010-13)
- 15. Formerly Member, Board of Studies, Travel and Tourism, Kannur University. (2010-12)
- 16. Project Co-ordinator for the Consultancy Project titled "Destination Kottayam" in which the School of Tourism Studies acts as technical partner for the project along with district administration of Kottayam (July 2015).
- 17. Member, Pass Board of Examiners for II Semester MBA (Travel & Tourism), Cochin University, January 2011.
- 18. Question Paper setter/ Examiner MBA (Tourism), 2011-12, Pondicherry University.
- 19. Question Paper setter/ Examiner VI Sem. Career related B Com CBCSS exam. (Tourism), February 2013, Kerala University.
- 20. Question Paper setter/ Examiner II Sem. Career related B Com CBCSS exam. (Tourism), April 2013, Kerala University.
- 21. Conducted M Phil Viva Voce Examination at Christ University, Bangalore on 26 April 2013.
- 22. Question Paper setter/ Examiner II & IV Sem. MTA exam, May 2013, Kerala University.
- 23. Scrutiny of Question Papers of MTA examination, April 2013, Kerala University held on 29/10/2013.
- 24. Question Paper setter/ Examiner I Sem. Career related B Com CBCSS exam. (Tourism), November 2013, Kerala University.
- 25. Question Paper setter/ Examiner III Semester MBA (Tourism), November 2013, Pondicherry University.
- 26. Question Paper setter for Kerala Public Service Commission, January 2014.
- 27. Question Paper setter/ Examiner IV Semester MBA (Tourism), February 2014, Pondicherry University.
- 28. Question Paper setter/ Examiner II Sem. Career related B Com CBCSS exam. (Tourism), April 2014, Kerala University.
- 29. Question Paper setter/ Examiner II Semester MBA (Tourism), April 2014, Pondicherry University.



- 30. Question Paper setter/ Examiner IV Sem. Career related B Com CBCSS exam. (Tourism), April 2014, Kerala University.
- 31. Scrutiny of Question Papers of Kerala Public Service Commission, July 2014.
- 32. Question Paper setter/ Examiner IV Semester B Com CBCSS exam. (Tourism), July 2014, Kerala University.
- 33. Question Paper setter/ Examiner III Sem. Career related B Com CBCSS exam. (Tourism), September 2014, Kerala University.
- 34. Chairman, Board of Examiners, BTTM CBCSS First Semester Exams November 2014, Kannur University.
- 35. Chairman, Board of question paper setters for I&III semester MTA Examination, December 2014, Calicut University.
- 36. Evaluator for Viva Voce of MBAIHM and BIHM programmes of IGNOU, January/February 2015.
- 37. Chairman, Board of Examiners, BTTM CBCSS Second Semester Exams April/May 2015, Kannur University.
- 38. Question Paper setter/ Examiner for B Voc (Tourism and Hospitality Management) exam, June 2015, Kerala University.
- 39. Question Paper setter/ Examiner I Semester B Com exam. (Tourism), September 2015, Kerala University.
- 40. Chairman, Board of Examiners, BTTM CBCSS III Semester Exams November 2015, Kannur University.
- 41. Chairman, Board of Examiners, BBA (TTM) CBCSS III Semester Exams November 2015, Kannur University.
- 42. Question Paper setter/ Examiner III Semester MTA exam, November 2015, Mar Ivanios College (Autonomous).
- 43. Question Paper setter/ Examiner VI Semester B Com CBCSS exam. (Tourism), January 2016, Kerala University.
- 44. Question Paper setter/ Examiner for optional course for B Com exam, March 2016, Sacred Heart College (Autonomous).
- 45. Question Paper setter/ Examiner III Semester MBA (Tourism) exam, February 2016, Kerala University.
- 46. Question Paper setter/ Examiner II Semester MBA (Tourism and Travel) exam, March 2016, IITTM, Noida.



- 47. Question paper setting for B Com degree Exam, Sacred Heart Autonomous College, Kochi, March 2016.
- 48. Chairman, Board of Examiners, BBA (TTM) CBCSS IV Semester Exams April 2016, Kannur University.
- 49. Chairman, Board of Examiners, BTTM CBCSS IV Semester Exams April 2016, Kannur University.
- 50. Chairman, Board of Question Paper Setters, III Semester MBA (T&T) Exams April 2016, Kerala University.
- 51. Chairman, Board of Examiners, BSc (Aviation and Hospitality) CBCSS II Semester Exams April 2016, Kannur University.
- 52. Subject Expert, Selection Committee for the post of Lecturer in Tourism and Travel, Kerala Institute of Tourism and Travel Studies (KITTS), Thiruvananthapuram, February 2011.
- 53. Subject Expert & Member, inspection committee for assessing fresh/ renewal applications for new colleges/courses, M.G University, May 2012
- 54. Subject Expert & Member, inspection committee for assessing fresh/ renewal applications for new colleges/courses, M.G University, April 2013
- 55. Subject Expert & Member, inspection committee for assessing fresh/ renewal applications for new colleges/courses, M.G University, May 2013
- 56. Co-ordinator, Technical Committee, International Seminar on Science of Music, Mahatma Gandhi University, March 2015.
- 57. Member, Core Team for ensuring teaching/learning/academic administration / examination process in Off-Campus Centres, Mahatma Gandhi University, June 2015.
- 58. Member, Executive Committee for the conduct of Faculty Development Programme, Mahatma Gandhi University, July 2015.
- 59. Member, NAAC Co-ordination Committee, Mahatma Gandhi University, October 2015.
- 60. Member, Mahatma Gandhi University Building Committee, March 2016.
- 61. Member, Committee to Conduct training programs under Placement and Training Cell, Mahatma Gandhi University, March 2016.



62. Member, Advisory Board of DDU KAUSHAL KENDRA, Mar Ivanios College, Thiruvananthapuram.
63. Member, Advisory Committee for implementing the "Scholarship for Encouraging Young Talents in Literature" (THANMA), Mahatma Gandhi University, January 2016.
64. Member, Permanent Cell to Combat Sexual Harassment, Mahatma Gandhi University, May 2016.

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs):

Organised-4

Sl. No	Details
1.	One day Workshop on "Zotero" – Library Management Software organized by Kerala Library Association, Kottayam region and School of Tourism Studies in August 2014
2.	One day workshop on "Mendeley" – Library Management Software organized by Kerala Library Association, Kottayam region and School of Tourism Studies on 28 th April 2016
3.	Two day National Level Workshop on "Contemporary Research Methods and Software Packages" organized by School of Tourism Studies on 25 th and 26 th May 2016
4.	One day seminar on "How to avoid Academic Plagiarism" organized by Kerala Library Association, Kottayam region and School of Tourism Studies on 30 th May 2016

Participated- 1

Sl. No	Details
1.	Workshop on "Basic Statistical Methods and Introduction to Indian Databases" organised by Christ University, Trivandrum – Dec 29-30 2014.

28. Student projects

Percentage of students who have done in-house projects including inter-	100%
departmental projects:	(3 rd Semester)
Percentage of students doing projects in collaboration with other universities/ Industry / institute:	100% (4 th Semester)



29. Awards/recognitions received at the national and international level by - Faculty

Name of the faculty	Details		
Dr.Robinet Jacob	 Nominated as Member, Expert Committee for evaluating Major Research Projects (Tourism), University Grants Commission, New Delhi, July 2014 Reviewer for journal articles (August 2014 onwards – still continuing) published by Horizon Research Publishing Corporation, Alhambra CA, USA. Conference Chair in the Annual conference of International Society of Travel and Tourism Educators (ISTTE), Miami, USA - 20 Sept -22nd Oct, 2011 		

Awards/recognitions received at the national and international level by Doctoral / Post-doctoral fellows: Nil

Awards/recognitions received at the national and international level by Students: Nil 30. Seminars/Conferences/Workshops organized and the source of

funding(national/international) with details of outstanding participants, if any, Source of Sl. No **Seminars/ Conferences/Workshops** outstanding participants funding Dr. B George, Madurai Kamaraj University Dr. S. Pushparaj, Two day National Level Workshop on MG Madurai Kamaraj Research Methodology and SPSS University University software on 25th and 26th May 2016 Dr. Cecil Dalston, **Associate Presidency** College Chennai. Jointly organized a one day Seminar on Mr. U.V Jose IAS. 'Literary Tourism' with Darsana District Collector, Academy and DTPC - Kottayam and a DTPC, Kottayam 2. workshop on 'Discover Kottayam' Kottayam Dr. B. Vijayakumar, (tourism product branding) along with Principal, KITTS, DTPC - Kottayam Trivandrum One day Workshop on "Zotero" - Library Management Software organized by KLA, Kerala Library Association, Kottavam Kottayam region and School of Tourism Studies in August 2014 One day workshop on "Mendeley" – Library Management Software organized KLA, by Kerala Library Association, Kottayam 4. Kottayam region and School of Tourism Studies on 28th April 2016 One day seminar on "How to avoid Academic Plagiarism" organized by KLA, 5. Kerala Library Association, Kottayam Kottayam region and School of Tourism Studies on 30th May 2016.



31. Code of ethics for research followed by the departments:

Research involves a great deal of cooperation and coordination among many different people and ethical standards promote the **values that are essential to collaborative work**, such as trust, accountability, mutual respect, and fairness. Ethical norms in research also help to build **public and official support** for research. The School of Tourism Studies gives high priority to research as one of its most important contributions to the society and the discipline. The School pursues a research ethos that promotes ethical responsibility in the quest for knowledge and the development, conservation and transfer of knowledge. The School focuses on endeavors to eliminate unacceptable practices within the research community. Researchers are encouraged to do original research work in their areas of specialization. Plagiarism is avoided at all cost (seminars are conducted on how to avoid plagiarism at regularly). School uses license software within the department for all purposes.

32. Student profile programme-wise.

Name of the Programme	Applications received	Selected		Pass percentage	
(refer to question no. 4)		Male	Female	Male	Female
MTM – 2011-13	63	10	10	100%	100%
MTM – 2012-14	85	11	9	100%	100%
MTM (2013-15)	73	10	10	100%	100%
MTM (2014-16)	138	11	9	95%	95%
MTTM (2015-17)	126	12	8		
MTTM (2016-18)	103	15	5		

Name of the Programme (refer to question no. 4)	% of Students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students from other countries
MTM (2011-13)	65%	30%	5%	Nil
MTM (2012-14)	30%	65%	5%	Nil
MTM (2013-15)	60%	35%	5%	Nil
MTM (2014-16)	65%	30%	5%	Nil
MTTM(2015-17)	70%	30%	Nil	Nil
MTTM (2016-18)	45%	55%	Nil	Nil



33. Diversity of Students:

34. How many students have cleared Civil Services and Defense Services examination, NET, SET, GATE and other competitive examinations? Give details category-wise –

SI.No.	Year	Net/ JRF Qualified	Kerala PSC
1.	2010-12	2	1
2.	2011-13	3	2
3.	2012-14	3	-

35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	3
PG to Ph.D.	2
Ph.D. to Post-Doctoral	0
Employed	
Campus selection	25
Other than campus recruitment	54
Entrepreneurs	0

36. Diversity of Staff

Percentage of faculty who are graduates						
Of the same university	40					
From other universities within the state	20					
From universities from other State	40					
From Universities outside the country	0					

37. Number of faculty who were awarded M.Phil; Ph.D, DSc and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

- Library
 - Total area of the library(in Sq. Mts.) -300 sq.ft
 - Total seating capacity 20
 - Working hours (on working days, on holidays, before examination, during examination, during vacation)
 9 am 5 pm (Saturday & Sunday Holiday)
 - Books in library: **Books 1464**



- a) Print (books, back volumes and theses)
- b) Average number of books added during the last three years-(Data upto May 30th 2016)

	E	xisting	Newl	y added	Total		
	No.	Value	No.	Value	No.	Value	
Text Books &	1320	20,10,626/-	107	4,82,263/-	1427	24,92,889/-	
Reference Books							
e-Books			9	10810/-	9	10810/-	
Journals	26	1,10,000/-		33,694/-	26	1,43,694/-	
(Magazine)	20	1,10,000/-		(renewal)	20	1,43,094/-	
e-Journals							
Digital Database	3	1,22,625/-	3	66,549/-	6	1,89,174/-	
CD & Video	116	40,47,76/-	36	48,03,86/-	152	8,85,162/-	
Others (specify) Newspapers	5	25,200/-		7200/-	5	32,400/-	

- Internet facilities for staff and students
 - Number of systems with individual configurations 41
 - Number of nodes/ computers with internet facility 30
 - Wi fi enabled classrooms and office

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart- ments	Others
Total	41	01	41	01	01	04	04	11

Total number of class rooms

Two class rooms; One seminar Hall; One Lab

- d) Class rooms with ICT facility
 - All classrooms are enabled with wi-fi facility in the school.
 - Adequate number of network ports is available in the School.
 - Class rooms and seminar halls have been provided with wifi projectors and internet access.
- e) Students' laboratories:

The School has a well-equipped Laboratory for PG students and research scholars with Proprietary software including SPSS statistical software, Language learning software, Computerized Reservation Systems etc

f) Research laboratories: Nil



39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university:

Name of Guide	Name of Guide Name of Scholar	
Dr. Robinet Jacob	Jishnu P Thampy	Nil

b) from other institutions/universities: **None**

40. Number of post graduate students getting financial assistance from the university.

Year	No. of students
2011-2013	4
2012-2014	9
2013-2015	4
2014-2016	6
2015-17	7
2016-18	4
Total	34

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. :

Yes

The School of Tourism Studies, which came up in 2010 is envisaged as a centre of higher learning and research in Tourism and Hospitality Studies and is the first University department of its kind in Kerala. The neighbouring Universities with such departments are Mangalore and Kuvempu Universities in Karnataka, Madurai Kamaraj University in Tamilnadu and Pondicherry Central University in Puducherry. The School aims to develop skilled human resources specific to regional and global needs in applied, technical, interpersonal, analytical and communication abilities to master in travel management, hospitality management, foreign languages and allied areas.

Studies on tourism and hospitality education conducted by the Ministry of Tourism, GOI and FHRAI highlighted the need for more professionals. A survey by the Ministry of Tourism indicates that there is a demand for 2.03 lakh trained professionals every year of which 66 percent is at skill level and 34 percent at managerial level (69020). FHRAI's 43rd annual convention reaffirmed the fact about the mismatch between demand and supply, with Indian students still needing more institutions as the existing institutions meet only 15 percent of the industry requirements. A study conducted by the Dept. of Tourism, Govt. of Kerala says that there is a paucity of qualified talent for middle management positions in Kerala and most companies are bringing talent from outside the state to fill positions.



Human resource development and supply of skilled manpower to the fast growing Tourism, Hospitality and allied industries will enhance University's role as an employment guarantor. The proposed facilities and academic programmes will help the School to acquire facilities at par with similar departments in well-known universities like University of Wisconsin and Purdue University in USA, Stenden University in Netherlands, Taylor's University in Malaysia etc. facilitating academic collaboration including student exchange and faculty exchange.

42. Does the department obtain feedback from

a. Faculty on curriculum as well as	The Faculty Council analyses the
teaching-learning-evaluation? If yes, how	feedback and makes necessary changes
does the department utilize the feedback?	and additions
b. Students on staff, curriculum and	The Faculty Council analyses the
teaching-learning-evaluation and how	feedback and makes necessary changes
does the department utilize the feedback?	and improvements in the curriculum and
	teaching –learning-evaluation process.
c. Alumni and employers on the programmes offered and how does the department utilize the feedback?	Feedback from alumni is generally collected during "Felize"- the biannual alumni meeting. Feedback from the alumni and employers are very important as they represent the changing trends in global tourism and hospitality industry. Faculty Council analyses their feedback and usually incorporates it in the teaching—learning process as it helps to avoid a gap between the skills achieved by students and the requirements of the workplace.

43. List the distinguished alumni of the department (maximum 10)

S.No	Name	Current Position		
1.	Dr. Sindhu Iosanh	Assistant Professor, GPM Government College,		
1.	Dr. Sindhu Joseph	Manjeswar, Kasargode (Dist)		
2.	Manasse Benny	Assistant Professor, Mar Ivanios College, Trivandrum		
3.	Anita T.A	School of Tourism Studies, MG University		
4.	Lijesh Jose	Emirates, Dubai		
5.	Yatheeshkumar	Branch Manager, Thomas Cook, Thrissur		
6.	Charudath T.D	Intersight Holidays, Cochin		
7.	Akhil K.S	Intersight Holidays, Bangalore		
8.	Rakhi C.R	Dolphin Line – Cargo and Freight Company, Dubai		
9.	Jinson V. John	Tamarind Global, Cochin		
10.	Merin Joseph	AFC Holidays, Dubai		



44. Give details of student enrichment programmes (Special lectures/workshops/seminar) Involving External Experts.

Year	Details						
2011-12	 Special lectures by Dr. Toney K Thomas, Deputy Dean, Dept. of Tourism, Taylors University, Malaysia. Career orientation seminar and key note address by Mr: Krishnachandran, Geneal Manager, Inter sight Tours and Travels, Cochin. Special lecture on hospitality by Mr: Motty Mathew, Owner, Motty's Home stays, Alleppey. Special Lecture by Mr. John George, Business Head India (Tours), UAE Exchange and Financial Services Special lecture by Mr.Joshy V Mathew, General Manager, First Source Ltd, Bangalore. 						
	Career Orientation Seminar and keynote address by Mr.Krishnachandran, General Manager, Inter sight Tours and Travels Pvt. Ltd,						
	2. Industry familiarization-Career orientation programme by Shiju P.K, General Manager, Tamarind Tours.						
2012-13	3. A lecture on hospitality by Mr.Motty Mathew, Owner, Motty's Homestay, Alleppey.						
	4. Special lecture given by Dr. Toney K Thomas, Deputy Dean, Dept. of Tourism, Taylors university, Malaysia.						
	5. Special Lecture by Mr. K Unnikrishnan, Deputy Commercial Manager (retd.), Air India						
	6. Special Lecture by Dr. Abey Kuruvilla, Associate Professor, University Of Wisconsin-Parkside, USA						
	Special lecture given by Dr. Toney K. Thomas, Deputy Dean, Dept. of Tourism, Taylor's University, Malaysia.						
	2. Carrier orientation by Mr. Krishnachandran, General Manager, Intersight Tours and Travels, Cochin						
2013-14	3. Career orientation led by Mr. Shiju P.K , General Manager, Tamarind Tours						
	4. Student Counselling by Mrs. Rebecca George, Retd. HOD, Dept of Physics, Baselios College, Kottayam.						
	5. Special lecture given by Dr. VinayarajMothiravally, Programme Director, Dept. of Hospitality Management, Taylor's University, Malaysia.						



	6.	Special lectures by Mr. Biju George, Mr. John George, Dr. Sebastian George, Dr. Deleep D, Mr. Joshy Mathew and Dr. AshaKuruvilla
	1.	Special lecture given by Dr. Toney K. Thomas, Deputy Dean, Dept. of Tourism, Taylor's University, Malaysia.
	2.	Career orientation led by Mr. Shiju P.K , GM Tamarind Tours
	3.	Special lecture given by Dr. Vinayaraj Mothiravally, Programme Director, Dept. of Hospitality Management, Taylor's University, Malaysia.
2014-2015	4.	Student Counseling by Mrs. Rebecca George, Retd. HOD Physics Department, Baselios College, Kottayam.
	5.	Interactive session by Mrs. Sonia Jose, Responsible Tourism ,Kerala
	6.	Career guidance by Mrs. and Mr. Babu, Directors of Coconut Creek Homestay, Kumarakom, a national award winner.
	7.	Student counseling session by Dr. Sissy Jose, HOD, Nursing Department, School of Medical Education, Gandhinagar.
	1.	Special lecture by Dr. B. George, Associate professor, Madurai Kamaraj University, Madurai
	2.	Special lectures by Mr. Biju George, ILO certified trainer.
2015-16	3.	Special lecture by Dr. Vinayaraj Mothiravally, Programme Director for Hospitality, Taylor's University, Malaysia.
	4.	Career orientation led by Mr. M. R Hari, Director, Invis Multimedia, Trivandrum
	5.	Special lecture given by Dr. R. Kannan, Associate professor, Madurai Kamaraj university, Madurai

45. List the teaching methods adopted by the faculty for different programmes.

Teaching methods adopted include both traditional and modern methods like

- Lectures
- Audio-visual aid
- Open Internet Sources
- flipped class room
- Power Point Presentations
- demonstrations
- Activity based learning
- Group Discussions etc.



46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- The School ensures that programme objectives are constantly met and learning outcomes are monitored through a continuous process by modifying the syllabus as the need dictates.
- The performance of students is evaluated through examinations and teacher's performance is constantly evaluated through the feedback from students at the end of each semester.
- The School always seek the expert opinion from national and international visiting professors and experts from industry.
- The feedback from the alumni is also considered in revamping the programmes.

47. Highlight the participation of students and faculty in extension activities.

- Faculty members are engaged in writing articles on different dimensions on tourism in national newspapers and have contributed more than 200 articles.
- The school gave an intensive coaching on 'life saving skills' by utilising the expertise of eminent doctors from reputed hospitals.
- Personality development programmes were organized for the benefit of students.
- The topics selected for student group projects are focused on social and economic resurgence of rural economy in collaboration with many nongovernmental organizations and local/regional entrepreneurs.

48. Give details of "beyond syllabus scholarly activities of the department

- The students are encouraged to participate in seminars and paper presentations in the subject.
- Students are given opportunity to participate in live projects of the department. They are encouraged to organise various programmes within the department and the University on their own.
- The department constantly engages in providing on the job training for students by placing them in the industry and bringing people from the industry to share their experience and expertise from time to time.
- The school gave an intensive coaching on 'life saving skills' by utilising the expertise of eminent doctors from reputed hospitals.
- Personality development programmes were organized for the benefit of students.

49. State whether the programme/department is accredited/ graded by other agencies? If yes,

Give details: No, The school has not tried for independent accreditation.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:



The 'School of Tourism Studies' is conceived as a centre of higher learning for all tourism and hospitality management programmes which generates skilled personnel with a broad range of applied, technical, interpersonal, analytical and communication skills in tourism leadership. Besides this the school is actively engaged in research related to accessible tourism, destination development, tourism product development, Airline Economics, E – tourism, Visitor Management Systems, destination benchmarking etc.

The Tourism Business Incubation and Consultancy Cell (TBICC), a functional division of the School of Tourism Studies is conceived as an operational arm focusing on operational and practical aspects of travel, tourism and hospitality management and is the first if its kind in the country. It explores the possibility of University – Industry – Government tie up and engagement to ensure sustainable tourism development in the national and international levels. The modes of engagement planned include (a) Tourism Resource Mapping (b)Tourism Business Incubation and training(c) Destination Development Services(d) Handling of and Research and Consultancy Projects.

The major contributions of the School are as follows:

- Development of manpower resources for the booming transport and tourism industry resulting in effective placement.
- Effective industry linkage helping manpower development.
- Consultant for destination development projects.
- Community empowerment and alternate income generation through sustainable tourism initiatives.
- Projects of social relevance undertaken by the school were taken up by the policy makers for implementation.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1. The core competency of the department is its innovative curriculum that bridges the gap between the skills achieved by the students and the requirements of the workplace.
 - A well balanced approach combining general components and skill components and specialization in different sub-sectors of tourism namely Aviation Management, Health Tourism and Tour Operations.
 - All relevant sub-areas incorporated into the curriculum like Airline operations, hospitality Management, Foreign Exchange Management and Communication Skill development and Foreign Language French.
- 2. Use of ICT enabled teaching learning approach where each student and faculty has access to computers and internet facilities. The use of Edmodo a digital online teaching learning interactive platform helps to ensure online participatory learning through its superior features like online discussions, online tests, pooling resources, online submission of assignments etc.
- 3. Use of world class travel simulating software like Galileo, Amadeus, Virtual Hotel, Virtual Travel Agency and Virtual Food and Beverage procured from Mundus Corporation, USA helped to achieve the desired learning outcomes.



- 4. A well-equipped library with books of all major national and international publishers and international magazines like National Geographic Traveller, Conde Nast Traveller, Lonely Planet, FHRAI Magazine etc.
- 5. The outcome of group student projects are immense in terms of its relevance, volume, influence on local community, new tourism product development and its acceptance by Governmental and Non-governmental organisations in making policy decisions. The work in collaboration with tourism/leisure industry suppliers/accredited institutes helped students to acquire training in team work, writing, presenting and defending a research report besides inculcating skills to become efficient travel professionals and potential tourism project consultants

Weakness:

- 1. Being a new department which came into existence only 5 years back, the school has limited physical space at present, which acts as a hindrance for expansion activities.
- 2. There is a shortfall of three permanent faculty members in the School. But this weakness is addressed by utilizing the services of Guest Lecturers and visiting Resource Persons.
- 3. The difficulty of some of the students to acknowledge the prime importance of attaining service skills and service aptitude in a global workplace due to their sociocultural backgrounds and their slow transformation as fully trained service professionals is another major hindrance towards optimum outcome.
- 4. Lack of understanding of the interdisciplinary nature of the subject among public.
- 5. Low student diversity from other states and countries.

Opportunities:

- 1. There exists a huge demand supply gap in the tourism, hospitality and aviation industries which provides an opportunity for the institution to supply trained manpower according to the requirements.
- 2. Employment opportunities exist at the global level for tourism students.
- 3. School offers inter-disciplinary studies that acts as a meeting place of students from all disciplines.
- 4. Opportunity to influence policy makers in policy decisions.
- 5. Opportunity to become a premier centre for tourism, hospitality and foreign language studies and research.

Challenges:

1. Students from different socio-cultural backgrounds, disciplines, and varying communication levels and service aptitude act as a challenge in the achievement of the desired goals within the available duration.



- 2. Lack of sufficient space makes it difficult to implement add-on courses and student exchange programmes.
- 3. To attract students towards the interdisciplinary subject.
- 4. Taking up of extension and consultancy services with very less manpower involvement.
- 5. Effective combining of theoretical and operational dimensions of the subject poses a big challenge.

52. Future plans of the department

- 1. Enhancing the physical learning environment by constructing a new customized building (around 3000sq.mt) with class rooms, Labs, Tourism Resource Centre, Tourism Business Incubation and Consultancy Cell (TBICC) and other facilities. The proposal is conceived in line with some of the premier institutions like Taylor's University, Malaysia and University of Wisconsin, USA and NITHM, Hyderabad and IITTM, Gwalior. The Govt. of Kerala has sanctioned an amount of Rs.2 Crores for the construction of its first phase.
- 2. Starting a Master's programme in International Hospitality Management (MIHM) with all the infrastructural and other resources specified by the national bodies.
- 3. Starting foreign language programmes in German, French, Chinese and Spanish.
- 4. To have international academic collaboration at the institutional level (faculty and student exchanges, joint development of programmes, joint organising of conferences etc) after achieving the infrastructural requirements of the School resulting in having good physical learning environment.
- 6. To widen the role as technical support partner for the Department of Tourism, Govt. of Kerala and other policy making bodies by strengthening the activities of Tourism Business Incubation and Consultancy Cell (TBICC), a functional division of the School of Tourism Studies which explores the possibility of University Industry Government tie up and engagement to ensure sustainable tourism development in the national and international levels.
- 7. To become the national level accreditation provider for Global Level Certification of Tourism Destinations and services in areas like hospitality, tour operations etc. The certifications are Global Sustainable Tourism Certification (GSTC), Green Globe, Earth Check, Blue Flag and Biosphere.
- 8. To get accredited with the TedQual accreditation of UNWTO after achieving the first seven goals.



DEPARTMENT OF LIFELONG LEARNING AND EXTENSION

1.	Name of the Department		Department of Lifelong Learning and Extension
		•	Department of Enclong Learning and Extension
2.	Year of establishment		13 August 2010
		:	In 1991 following the U.G.C Guidelines Department of Adult Continuing Education Extension and Field Outreach was Established and later in 2010 the Department was renamed as Department of Life Long Learning and Extension as per the Vide Order No.4034/P&D-I/2010/Admn dated 13/08/2010
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Social Science
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	 Six month Certificate Courses Certificate Course in Organic Farming Certificate Course in Yogic Science Certificate Course in Management of Learning Disabilities Certificate Course in Counselling One Year Diploma Courses Diploma Course in Yogic Science Diploma Course in Organic Farming
5.	Interdisciplinary programmes and departments involved	:	The Department introduces courses as per the need based studies conducted in the community through the campus community partnership programme. All the courses offered by the department are of interdisciplinary nature. The various courses conducted by the department itself prove the interdisciplinary nature. Department conduct various seminars in association with various departments in the campus
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Nil
7.	Details of programmes discontinued, if any, with reasons	:	Nil
8.	Examination System	:	Semester system for Certificate Courses Annual System for Diploma Courses



9.	Participation of the department in the courses offered by other departments	:	Students from the Department participate in the courses offered by other Departments.					
10.	O. Number of teaching posts, sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)		Professor Associate	Sanctioned Nil	Filled Nil	Actual(including CAS & MPS) Nil		
		:	Professors Asst. Professors	Nil	Nil	Nil		
			Others	Nil	Nil	Nil		

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No.of Years of Experience	No.of Ph.d/M.Phil students guided for the last 6 years
Dr.K.Sabukuttan	M.A, MPhil , PhD(History) M.A Politics M.A.Sociology M.A.Philosophy Diploma in TCI	Associate Professor	1.Modern Kerala History, 2.Socialization, 3.Extension, 4.Social History of Kerala, 5Local History	27	NA



12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Faculties of the various	Counselling Course Guest Faculties 1. Mathew Kanamala 2. Anish Mohan 3. Dr.Thomas Abraham 4. Reena James Organic Farming Course Guest Faculties 1. K.V.Dayal 2. B.Radhakrishnan 3. Dr.Sallikutty joseph 4. Dr.Elizabath joseph 5. Dr.J.G.Ray
Faculties of the various courses	6. Sri.Tony Thomas
courses	7. Dr.Leenakumari
	Management of Learning Disabilities Guest Faculties
	Dr.Muhamed Mustafa
	2. Thamimul Ansari
	3. Bhathadas
	4. Aiswarya Mohandas
	5. Dr.Ameer Hassan
	Yogic Science Guest Faculties
	Dr.Toms Abraham Dr.E.N.Balakrishnan Nair.
	2. Dr.E.N.Balakrishnan Nair. 3. M.R.Gopalakrishnan Nair
	4. Dr.VishwambharanNair.M.S
	5. Dr.Sarith Kumar
	6. Sanjayanand .R

13. Percentage of Classes taken by the temporary faculty: $99\ \%$

14. Programme-wise Student-Teacher Ratio

- ➤ Certificate Course in Yogic Science-16:1
- > Certificate Course in Organic Famring-4:1
- ➤ Certificate Course in Management of Learning Disabilities -5:1



- ➤ Certificate Course in Counselling-5:1
- Diploma in Yogic Science-10:1

15. Number of academic support staff

- Technical Staff Sanctioned-0 filled-0-Actual-0
- Number of administrative staff-Sanctioned-1 Filled-1 Actual -1
- 16. Research thrust areas as recognized by major funding agencies: NA
- 17. Number of faculty with ongoing projects from: a) national, b) international funding agencies and, c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil
- 18. Inter-institutional collaborative projects and associated grants received-: Nil
- 19. Departmental projects funded by DST-FST:UGC-SAP/CAS,DPE;DBT,ICSSR-: Nil
- 20. Research facility/centre with
 - State Recognition: Nil
 - National Recognition: Nil
 - International Recognition: Nil
- 21. Special research laboratories sponsored by/created industry or corporate bodies-NIL

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	2
2.	Monographs	Nil
3.	Conference Proceedings	2
4.	Chapters in Books	Nil
5.	Edited Books	1
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
9.	Total	5

- 23. Details of patents and income generated: NIL
- 24. Areas of consultancy and income generated: NIL



25. Faculty selected nationally/internationally to visit other laboratories/institutions/industries in India and abroad-

Sl.No.	Name of Faculty	Laboratory/Institutions	
1.	Dr. K.Sabukuttan,	invited speech at the National Integration camp at PA college of Engineering and Technology, Pollachi on 3rd May 2016 on the topic "NSS and Durable Assents Creation"	
2.	Mathew Kanamala	 Participated person-centered approach program in various places as detailed below: Year Place 2011 UK 2012 UK 2014 Malaysia 2015 UK Prepared Indian version of e-learning of personcentered approaches with the support of Helen Sanderson approach, UK 	

26. Faculty serving in

- a) National committees-Nil
- b) International committees -Nil
- c) Editorial Boards Nil
- d) any other 11

Sl. No.	Name of the faculty	Committees	
1.	Dr.K.Sabukuttan	 Research Guide, School of Gandhian Thought and Development studies Programme Co-ordinator, National Service Scheme Co-ordinator, Vivekananda Chair Co-ordinator, Additional Skill Acquisition Programme Member, Academic Council, Mahatma Gandhi University Expert Committee Member, Centre for Yoga and Naturopathy Executive Committee Member, Inter University Centre for Organic Farming and Sustainable Agriculture Advisory board Member, Department of Adult Continuing Education and Extension, University of Kerala Advisory board Member-Empanelled Training Centre for NSS Rajagiri College of Social Sciences, Kalamassery Advisory Board Member, N.S.S., Govt. of Kerala Advisory Board Member, Nehru Yuva Kendra, Kottayam 	



27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs):-

worksnops, training programs and similar programs):-				
Faculty recharging programmes				
Dr.K.Sabukuttan	1. Participated in the NSS National integration Camp at PA College of Engineering and Technology, Pollachy on 3 rd May 2016 on and presented a paper on "NSS and Durable Assets Creation".			
	2. Presented a paper on "Yoga and Cultural Heritage" in the two day National Seminar conducted by the Department of Life Long Learning and Extension and Centre for Yoga and Naturopathy on 18 th March 2015 at the School of Gandhian Thought and Development Studies			
	3. Presented a paper entitled "Kudumbasree as a Catalyst for making changes in the life of Kerala Women" in the National Seminar on Flagship Programmes in the Development Exposure of Independent India at Govt. College, Nedumangad on 31 st January 2016.			
	4. Chaired a session on "Modern Socio-Religious Reform Movements in Kerala" in the National Seminar conducted at D.B.College, Sasthamkotta, Kollam on 19 th August 2015			
	5. Presented a paper entitled "Swami Vivekananda on Education" in the UGC sponsored National Seminar on Swami Vivekananda's message of Community Service for the Youth of India" at M.A College, Kothamangalam on 30 August 2014			
	6. Presented a paper on "How Communalism affected the modernization of Kerala" in the UGC sponsored National Seminar on Reflections on "Communalism in India:Past and Present" at SreeNarayana College, Chempazhathy from 21-22 August 2014			
	7. Received a Certificate of Appreciation for the invaluable lecture "Feminization of Ageing" at the National Seminar sponsored by ICSSR New Delhi "On Ageing Gracefully: A multi-disciplinary Perspective" held on 25 th November 2014 organized by the School of Gandhian Thought and Development Studies			
	8. Presented an invited paper in the UGC sponsored National Seminar on "Sustainable Recourse Management –Tools and Techniques ''.			
	The title of the paper is "Environment Enrichment activities through National Service Scheme".			
	The paper is published in the proceedings volume with ISBN: 978-81-7255-066-9 published by Department of Home Science, ST Teresa's college Ernakulum			
	9. Presented an invited paper in the International Seminar on "Extension the Third Dimension of education organized by the Marian College, Kuttikkanam and Department of Life Long Learning and Extension on 27 th February 2016			
	10. Presented a paper on "Dalit Liberation Movement in Modern Kerala" in UGC sponsored National Seminar conducted by the Department of History, SreeNarayana College for Women on 28 January 2016.			
	11. Trainer for the Programme officers and Volunteer secretaries of the National Service Scheme, Mahatma Gandhi University on the following			

Mahatma Gandhi University

- dates 03/08/2012-05/08/2012, 27/09/13-29/09/13, 11/7/14-13/07/2014, 19/06/15 21/06/15, 10/06/16-12/06/16.
- 12. Served as the Resource person to the Orientation Courses conducted by the empanelled Training Institutions (ETI) for NSS at the Rajagiri College of Social Sciences as shown below.

Date	Topic
05-11-2012	Public Relations in NSS
19-11-2012	Public Relations in NSS
27-02-2012	Special Camping Programmes in NSS
17-06-2013	Special Camping Programmes in NSS
01-07-2013	Special Camping Programmes in NSS
15-07-2013	Special Camping Programmes in NSS
29-07-2013	Special Camping Programmes in NSS
07-07-2014	Success Stories in NSS
12-08-2014	Public Relations in NSS
25-08-2014	Public Relations in NSS
22-09-2014	Special Camping Programmes in NSS
10-11-2014	Special Camping Programmes in NSS
2-12-2014	Special Camping Programmes in NSS
08-12-2014	Special Camping Programmes in NSS
07-09-2015	Flagship Programmes in NSS
14-09-2015	Flagship Programmes in NSS
12-10-2015	Flagship Programmes in NSS
20-10-2015	Flagship Programmes in NSS
17-11-2015	National Integration and Social Harmony
24-11-2015	National Integration and Social Harmony
1-12-2015	National Integration and Social Harmony
15-01-2016	National Integration and Social Harmony



20-01-2016	National Integration and Social Harmony
01-02-2016	National Integration and Social Harmony
09-02-2016	National Integration and Social Harmony
15-02-2016	National Integration and Social Harmony
23-02-2016	National Integration and Social Harmony
25-07-2016	National Integration and Social Harmony
25-08-2016	National Integration and Social Harmony
06-09-2016	National Integration and Social Harmony
26-09-2016	National Integration and Social Harmony
25-10-2016	National Integration and Social Harmony
15-11-2016	National Integration and Social Harmony

28. Student projects-

Percentage of students who have done in-house projects including inter-	
departmental projects	
Percentage of students doing projects in collaboration with other	NA
universities / industry / institute	

29. Awards/recognitions received at the national and International Level by Faculty and student;

Faculty: STATE LEVEL

	Awards/recognitions		
Dr.K.Sabukuttan	•	Received Life time Achievement Award in 2014 for	
		promotion of yoga and Naturopathy from the Indian Martial	
		Arts Academy Thrissur, Kerala	
	•	Received Sarojini Damodar Foundation Award twice for the	
		recognition of his service in propagating Organic Farming in	
		100 affiliated colleges under Mahatma Gandhi University	
		during the year 2016 and also for the academic contributions	
		in spreading the message of Organic Farming by starting	
		Certificate and Diploma Courses at the University.	
	•	Received Certificate of Honour for the incredible	
		contributions in Social Service for the years 2012-13,2013-14	



- and 2014-15 by Kerala Action Force, Anwar Pain and Palliative Care and IMA Madhya Kerala
- Received the Youth Promotion Award 2014 from the Centre for Research and Action (CIRA) in recognition of Significant Contribution in the field of Youth Development
- Received the Best Programme Co-ordinator Award during the year 2013-14 and 2015-16
- Received the Kamala Dalam Award in 2016.
- Received Synergy Award for the Empowerment of Youth in 2016

NATIONAL LEVEL

Awards/recognitions

Dr.K.Sabukuttan

- Received Indira Gandhi NSS Award for the year 2013-2014 for the BestNSS Programme Co-ordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee.
- Received Indira Gandhi NSS Award (Certificate of Appreciation) for the year 2012-2013 for the best NSS Programme Co-ordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee.
- Received the IPCAI National Award for the outstanding contributions in the field of Community Organisation through National Service Scheme of Mahatma Gandhi University in November 2016.

Awards/recognitions

STUDENTS

Anish Mohan a former student of counselling course received the State Award for Best Trainer for the differently abled in 2014 from the Social Welfare Dept of Kerala. It was in response to his request that the Kerala State Road Transport Commissioner issued an order to establish Special Parking Area for Differently Abled persons in all Govt/ Public



Institutions.

- Johnny Jose, Dy. Chief Accountant, Cochin Port Trustintroduced yoga linked Taichi-Karaete martial art form. Holder of karate 6th degree black belt, shorin-ryu style, Japan. Twice national karate champion, former Kerala University Football Captain.
- T.M. Varghese, received National Award for Best Teacher.
- G. Sreekumar received Best PR Professional National Award in India.
- Shibu K. Raju won Fourth Rank in Masters in Music from University of Kerala.
- Yoga championship winners:
 - MeeraT. Abdulla, Best Performer, karnataka state championship (Ministry of Ayush and Sports University)
 - K.K.Rajesh, Best Performer, Patanjali Yoga State
 Championship
 - Thomaskutty Varghese, Best Performer, Kottayam District Championship
 - Anilkumar, Best Performer, Trissur District Championship
 - Amalasuresh, Third Position, M.G.UniversityChampionship



30. Seminars/conferences/workshops organized and the source of funding with details of outstanding participants if any:-

Sl. No.	Programme organized	Source of funding	Outstanding participants
1.	Four day Seminar on Organic Farming-31 Jan 2013 to 3 Jan 2013	Department Development Fund	Sri. K.V.Dayal, Organic Expert
2.	One Day Seminar on Organic Farming-16 October 2014	Department Development Fund	Sri. K.V.Dayal, Organic Expert
3.	The International Seminar –26- 28 February, 2016-"Extension the Third Dimension of Education"	Department Development Fund	
4.	Two Day National Seminar on Relevance of Yoga in Modern Life-18 -19 March,2016	Department Development Fund	HiraRetanManek, Sun Gazing Expert
5.	One Day Workshop on Career Guidance on 29 March 2016	Department Development Fund	Sinu Thomas
6.	National Seminar on the Trends and Developments in the Education of Children with Learning Disabilities, 07 May 2016	Department Development Fund	Himshu Tripati , Alagappa University
7.	TCI workshop on the theme "Where in lies my inner fire? How can I make it a flame" 9-11 May, 2016	Department Development Fund	Dr.C.Thomas Abraham
8.	National Seminar on Blood and Organ Donation-Scientific and Motivational Aspects -5 - 7October 2016.	Department Development Fund	 Dr.SundarPeriyavan (NIMHANS, Bangalore) Dr.C.Shivaram (Manipal Hospital, Bangalore) Dr.SusheelaKamath (Principal Auditor/ Assessor- NABH BB) Padmasree Dr.S.Tony Fernandez (Dr.Tony's Eye Hospital, Aluva) Dr.NeerajSidharthan (AIMS, Kochi)



L.V.Dayal, Organic
rt
.•
immy Joseph,
Skill Development
Trainer
Or.K.Joy

Mahatma Gandhi University

	2014	Moolamattom and	
		National Service	
		Scheme of MG	
		University and	
		Department of Life	
		Long Learning and	
		Extension	
16.	Women Entrepreneurship	Jointly organised by	
	Development Programme	Alphonsa College, Pala	
		and National Service	
		Scheme of MG	
		University and	
		Department of Life	
		Long Learning and	
		Extension	

31. Code of Ethics for research followed by the Department:

Plagiarism will be assessed before submission of research papers for publication.

32. Student Profile programme wise:

The department conducts courses in a non-formal format. Classes are conducted on Saturdays and Sundays. The admission procedure is **first come first serve method**. The information regarding the starting of the new batches are informed to the general public through the leading newspapers. A fixed date is scheduled for the admission of various courses and the seats are filled as per the allotted number. Hence the number of applications received is equal to the number of allotted vacancies. The no. of vacancies for the various courses are as follows.

- ➤ Certificate Course in Organic Farming-50
- ➤ Certificate Course in Counselling-50
- ➤ Certificate Course in Management of Learning Disabilities-50
- ➤ Certificate Course in Counselling-50
- ➤ Diploma in Yogic Sceince-50

33. Diversity of Students: NA

- 34. How many Students have cleared Civil Services examinations, NET, SET, GATE and other competitive examinations? Give Details category-wise: NIL
- 35. Student Progression:NA



36. Diversity of staff:

Percentage of faculty who are graduates		
Of the same university	75	
From other universities within the state	25	
From universities from other states	0	
Universities outside the country	0	

37. Number of faculty who were awarded M.Phil, Ph.D, DSC, and D.Litt during the assessment period- NIL

38. Present details of the departmental infrastructural facilities with regard to:

- a. Library- A library facility is available for the students of the Department.
- b. Internet facilities for staff and students: Available
- c. Total number of class rooms-3
- d. Class rooms with ICT facility- Nil
- e. Student's laboratories- Nil
- f. Research Laboratories- Nil

39. List of doctoral, post-doctoral students and Research Associates-Nil

40. No.of post-graduate students getting financial assistance from the university: Nil

41. Was any need assessment exercise undertaken before the development of new programmes, If so highlight the methodology.: Based on surveys and need based studies the new programmes are introduced

42. Does the department obtain feedback from –

a. Faculty on curriculum as well as teaching-learning evaluation?if yes how does the department utilize the feedback

Yes, the Department utilizes the feedback from the faculty for the betterment of the course structure, and for updating syllabus.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback

Yes. A feedback form is given to the students to obtain studentsfeedback onstaff, curriculum and teaching-learning-evaluation. They have the option to add their general comments other than what is asked in the format. The department views the



feedback taking procedure as a serious one and the committee of faculties and the HOD evaluate the feedback forms and take necessary actions wherever it is needed. The suggestions from the candidates are taken into consideration while preparing the next schedule.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes. The feedback from the alumni is also taken for the betterment of the course and it is given in a non-formal way in the alumni meetings.

43. List the distinguished alumni of the department

S.No	Name	Current Position
1.	Sri.M.R. Unni	Registrar,M.G. University
2.	G.Sreekumar,	Former P.R.O, M .G.University
3.	T.M.Varghese	recipient of National award for the best teacher
4.	Prof. Thomas Joseph	Former Secretary, Higher Education Council, Kerala

44. Give details of student enrichment programmes(Special lectures/ workshops /seminars)involving external experts

Sl. No.	Student enrichment programmes organized
1.	Four day Seminar on Organic Farming 31-01-2013 to 3-02-2016
2.	One Day Seminar on Organic Farming-16-10-2014
3.	International Old Age Day – October 1 st 2015
4.	The International Seminar - "EXTENSION: THE THIRD DIMENSION OF EDUCATION" - February 26-28, 2016
5.	Jalatharangam -2016- a programme on rainwater harvesting
6.	World Environment Day Celebration-June 5, 2015
7.	Two Day National Seminar on Relevance of Yoga in Modern Life18 th and 19 th March,2015
8.	One Day Workshop on Career Guidance on 29/03/2016
9.	National Seminar on the Trends and Developments in the Education of Children with Learning Disabilities 7 th May 2016.
10.	Workshop on the theme "Where in lies my inner fire? How can I make it a flame"



11.	National Seminar on Blood and Organ Donation-Scientific and Motivational Aspects -5 to 7 October 2016.
12.	International Conference – "Envision- A Holistic View on Empowering Women
	15-16 November,2016

45. List the teaching methods adopted by the faculty for different programmes

The teaching methods adopted for each course is different. For example the Certificate Course in Organic Farming gives more importance to practical training and knowledge gaining form the field, whereas the Certificate Course in Counselling & Management of Learning Disabilities course give more weight age for building the theoretical background and also a moderate percentage of teaching hours is dedicated for the practical aspects such as filed visits, case study etc. Certificate Course in Yogic Science is different where practical and theoretical sessions has equality in the teaching.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Practical training is imparted to the students in the respective area of study and they
 turn in to employable people from the day one of their exit from the Department.
 For example the Programs in Yogic Science equip the participants with the skill sets
 and knowledge required to become instructors, thereby inspiring the larger society
 to taste the invaluable knowledge treasure of the Nation.
- The students of Organic Farming engage themselves in all agricultural practices right from grooming of the farmer to embrace paradigm shift in their practices. The concepts of converting Biowaste in to manure (Resource) and undoing the habit of burning the dried bio materials are imparted to the students. The students undergo all facets of agriculture right from soil preparation to harvesting.
- The students of the Learning Disability Management attend to the requirements of the parents and the children who have learning disability. Nature camps are also promoted.
- The students mandatorily attend to field visits and public interface programs of which reports are regularly collected, corrected and verified by the faculty.
- The Yoga students under the supervision of the Faculty regularly conduct extension activities through Yoga for Masses- a Public Health Initiative. Basics of yoga are introduced to the public as part of the Initiative, to check growing Life Style Diseases and to impact on the public health, minimizing medicines and its side effects. 477 Yoga professionals who are appropriately skilled to provide training for



the public have passed out from the Departmentduring the assessment period. More than 192 students have started Yoga training centres have been launched by the MGU Alumni, besides reaching the message of Yoga to more than 25,000 people through mass contact programme for healthy living and freedom from life style diseases.

- The Department offers **Counsellor on Call** to the students and educational institutions as and when required. More than 2000 students have been counselled through the system so far.
- The students and the faculty conduct regular **Learning Disability Detection Camps** for appropriate remedial measures for assured progression of the children with disability. 152 students have been trained in managing Learning Disability.
- The Alumni have started 11 remedial teaching centres in various parts of the state of which majority are Homoeo doctors.
- The students of the Department have been sent to all Colleges under the University as brand ambassadors of Organic Farming. **100 Organic Farming Clubs** have been set up in Colleges under the varsity, and cumulatively all the Clubs have produced vegetables worth Rs 50 lakhs. Imbibing the spirit of "Plenty for All" the Alumni have launched unique startups in the farming sector which include Marketing Ventures (eg. Assissia, Padivattom, Ernakulam), Cooperative Societies (eg. Samhari, Trissur), Teaching School for Agriculture, Pandalam.

47. Highlight the participation of students and faculty in extension programmes

The name of the Department itself is self proclamatory regarding the extension activities. The extension is part of academics here. The extension activities are carried out as per the UGC mandate in this regard

Personal Development Centre

The Personal Development Centre of the Department gives counselling and guidance services to the University staff, students and to the general public. It offers reliable confidential services to alleviate the stress and strain and boost the level of confidence of the beneficiaries. The persons associated with the Certificate Course in Counselling also collaborate with the efforts of the Personal Development Centre.

• GramaVikas Kendra

Grama Vikas Kendra of the Department is a self-sufficient service unit that ensures campus community partnership in aunique way. The department has adopted a village near the campus and it is Nalapathimala. The Department has also adopted two wards in the Athirampuzha Panchayat (Central Ward-8 and Ward 4) and RSWLP School, Kattathy, Ettumaanoor (Ward 4). The department is conducting awareness programmes and campus community outreach programmes in these adopted wards, school and



village. There is a senior citizen's forum under the Department and the senior members from Nalpathimala are members in it. The Department conducted socio-economic survey and house visit in the adopted wards and in Nalpathimala village.

Counsellor on Call

Department of Life Long Learning and Extension offers Counselling for the needy in a venture known as Counsellor on Call. There is a part time counsellor available at the Department. The staff, students from affiliated colleges and the people from adopted villages can make use of this facility absolutely free of cost on prior appointment.

• Thanima 2011

Thanima 2011 was organized as a culmination of the one year project undertaken by the Department for identifying, honouring and promoting the traditional artisans and crafts men with exceptional skills. Around 30 stalls were arranged and more than 50 artisans participated in the exhibition.

CAP Help Desk

The Department rendered its laudable service to the University during the Centralised Allotment process for U.G. Admission in the academic year 2011-12 In association with the University Information Centre, the Department opened three CAP Help Desks at Pallickathodu, Kottayam and Pathanamthitta. It also cooperated with the University Information Centre at Vaikom by lending the service of one NSV for the smooth conduct of the Help Desk. Around 1200 candidates submitted their application through Help Desk opened by the Department. The Help Desks were functioning from May to July.

Campus Guards Day Celebration

24 May 2011 was reserved for the get-together and merry-making of the campus guards. Around 250 ladies including the former members of the Campus Guards assembled in the University Assembly Hall at 10.30 am.

• **UID Registration**

In July 2012 the Department made arrangements for UID registration at the Department utilizing the service of the personnel from Akshaya Centre, Vayala. More than two hundred persons benefited from the service.

• Harvest Ceremony and Exhibition

On 11thNovember 2012 under the aegis of the Department, a meeting of the organic farming was held at the University. Seeds and vegetables were exhibited and distributed in the meeting in celebration of the new harvest season.

• Geriatric Health Survey

The project staff of the Department collaborated with the MPH students of University College of Medical Education, Kottayam in conducting a Geriatric Mental Health



Survey from 11 to 14 of January 2013 giving special emphasis on Alzheimer's disease. The survey also covered the socio-economic aspects of physical, mental and psycho-social health of the aged population. Based on its findings practical measures are formulated to tackle existing crisis.

• Exhibition of FUKUOKA'S Photos,28 April 2013

The students of Organic Farming arranged a photo exhibition on 28/04/2013, Sunday at the Department. The exhibition covered the rare photos of Masanobu Fukuoka. A session on the Japanese veteran's farming methods and life exhibition on natural farming and one straw revolution had a positive impact on the aspirants of organic farming. It was an occasion to learn about cost effective and environment friendly ways of farming.

• Four day Seminar on Organic Farming,31 Jan to 3 Feb, 2013

Department of Lifelong Learning and Extension organised a four day Organic Farming Seminar. A field visit to the Organic Farmswere also arranged on the last day of the seminar. Apart from the students around 40 promoters of Organic Farming has attended the Seminar.

• Health Awareness Campaign

The Department of Lifelong Learning and Extension joined hands with the National Service Scheme of Mahatma Gandhi University in conducting a health awareness Campaign on the wake of diseases like ChikunGunea and Dengue Fever. The Health Awareness Programme was conducted on 15th July 2013 at the University Assembly Hall. From 15th to 22nd July 2012 Homoeo medicines to curb ChikunGunea and Dengue fever were distributed in the University Campus.

• Human Rights Day Celebration

On Friday 10thOctober 2014, the Department celebrated the Human Rights Day. A meeting of the members of the GramaVikas Kendra was convened at the Department.

One Day Seminar on Organic Farming-16 October 2014

Organic Farming being one of the thrust areas in the extension activities of the institution the Department has organised a one day Organic Farming seminar. The seminar was intended to spread the message of Organic Farming by giving training to the NSS Volunteers through the campus community partnership.

• Digital India Mega Camp-2015

Department of Life Long Learning and Extension took up the Prime Minister's flagship programme Digital India. In connection with the initiative, the Department conducted a Digital India Mega Camp for the Staff and Students of Mahatma Gandhi University. The camp's prime concern was to distribute Digital Locker and also a presentation of the Digital Services available. The programme was conducted in connection with the Akshaya Project, Kottayam.



• International Yoga Day Celebration-June 2015

The first International Yoga day was celebrated by the Department of Life Long Learning and Extension in association with the National Service Scheme of the Mahatma Gandhi University at the B.K.College, Amalagiri.

• International Old Age Day-2015

"Thanalekiyavarkk Thanalekam" was the theme of the International Old Age Day Celebrations of the year 2015. The theme means giving shadow to those who provided shade for us. The main aim of the programme was to acknowledge the old people and also to give emotional support to the old people. The young generation should make it habit to support the elderly as part of the culture.

• The International Seminar- Feb-26-28, 2016Extension-The Third Dimension Of Education

Department of Lifelong Learning and Extension joined hands with the National Service Scheme of Marian College, Kuttikkanam for the International Seminar entitled "Extension-The Third Dimension of Education.

• Jalatharangam -2016

Jalatharangam 2016-a programme organised in association with the State Bank of Travancore was about cost effective rain water harvesting by taking rainwater pits.

• World Environment Day Celebration-June 5, 2015

The department celebrated World Environment day by planting saplings in the University Campus Premises.

• Two Day National Seminar on Relevance of Yoga in Modern Life, 18-19 March 2016

The Department organised a Two days National Seminar on the Relevance of Yoga in Modern Life. The seminar was organized in association with the Centre for Yoga and Naturopathy and Kottayam District Yoga Sports Association at the SGTDS Seminar Hall.

One Day Workshop on Career Guidance on 29/03/2016

Department of Life Long Learning and Extension has organised One day Workshop on Career Guidance on 29/03/2016 for the students from the affiliated colleges under Mahatma Gandhi University.

• National Seminar on the Trends and Developments in the Education of Children with Learning Disabilities 7 May 2016

The department organized a national Seminar on the Trends and Developments in the Education of Children with Learning Disabilities on 7 May 2016. The co-organizer of



the seminar was Institute of Research in Learning Disabilities, School of Behavioural Sciences, MG University.

• Two Days TCI workshopfrom May9th to 11th 2016

Theme-Centered interaction (TCI) is a concept and a method for working in groups. Its aim is social learning and development of the person. A two day workshop was arranged by the Department of Lifelong Learning and Extension in association with the National Service Scheme of the Mahatma Gandhi University on the above topic.

• National Seminar on Blood and Organ Donation-Scientific and Motivational Aspects -5thto 7th October 2016.

The objective of the national seminar was to give some basic ideas on the scientific aspects of organ/blood donation. The seminar also focused on the legal awareness, ethical issues and counseling needs regarding organ/blood so as to eradicate the ignorance among the common people in this regard.

• International Conference – "Envision- A holistic View on Empowering Women: 15-16 November, 2016

The objective of the seminar was to stimulate a holistic progress in women empowerment by creating an encouraging environment for social change for a good cause. The Conference brought together eminent Scholars, academicians, policy makers, researchers, social workers, NSS volunteers, students and experts from India and abroad to discuss the multi-dimensional aspects in empowering women.

The recommendations of the Conference was submitted to the policy makers and other concerned departments for information.

• Department/Society Linkages in Extension Activities

- ➤ Athirampuzha Grama Panchayat Adoption of Ward 4 and Ward 8 for Socio-Economic Development Initiatives
- Athirampuzha Grama Panchayat- Adoption of Kattathy Government LPSchool, to be converted as a model school.
- ➤ Kottayam Municipality- Swatcha Bharata Abhiyan
- ➤ Kottayam District Panchayat- Awareness program on Life Style Diseases
- Southern Railways, Kottayam- Government Sponsored Public Awareness Programme
- ➤ Health Department- Awareness program on Infectious diseases and sanitation
- Prisons- Counselling
- Legal Literacy Mission- Love Kottayam Project
- ➤ Vigilance And Anti-Corruption Bureau Youth Against Corruption
- ➤ Information Kerala Mission- Vivaranidhi- e-Governance for citizens



- St. John of God, Pampady- Counselling
- ➤ Molly Pauls Farm- Organic Farming
- Vrindavanam Garden, Ettumanoor- Organic Farming
- Amrutham Naturopathy Centre, Vazhoor, Sensitasation on Food habbits, Yoga
- Aswasabhavanam, Pampady, Counselling
- > Gurukulam, Pampady, Counselling
- MariyaSadanam, Palai- Counselling, Yoga training
- Trada, Manganam Counselling
- Collaborated with the Alumni of the Department to adopt a Tribal Village in Edamalakudi

FIELD VISITS

- The Certificate Course in Counselling students visit the following places
 - > St.John of God, Pamapady
 - Aswasabhavan, home for the children of Prisoners, Pampady, Kottayam
 - Mariya Sadhanm Pala
 - > Trada, Manganam
- The Certificate Course in Yogic Science students visit the following places
 - Amrutham Naturoopathy Centre, Vazhoor
- The Certificate Course in Management of Learning Disabilities students visit the following organizations
 - ➤ Gurukulam, Pamapady
 - > St. John of God, Pamapady
- The Certificate Course in Organic Farming students visit the following Fields.

Organic Farms owned by Baiju, Prakasan Cherthala.

Vrindavan Garden, Ettumanoor.



48. Give details of "beyond syllabus scholarly activities" of the department

1.	Adoption of village for Socio-Economic Development Initiatives
2.	Adoption of Kattathy Government LPSchool, to be converted as a model
	school.
3.	Kottayam Municipality- SwatchaBharataAbhiyan
4.	Kottayam District Panchayat- Awareness program on Life Style Diseases
5.	Southern Railways, Kottayam- Government Sponsored Public Awareness
	Programme
6.	Health Department- Awareness program on Infectious diseases and
	sanitation
7.	Prisons- Counselling
8.	Legal Literacy Mission- Love Kottayam Project
9.	Vigilance And Anti-Corruption Bureau – Youth Against Corruption
10.	Information Kerala Mission- Vivaranidhi- e-Governance for citizens
11.	Kottayam Municipality- SwatchaBharataAbhiyan
12.	Kottayam District Panchayat- Awareness program on Life Style Diseases

49. State whether the programmes/department is accredited/ graded by other agencies?: No

50. Briefly highlight the contributions of the department in generating new knowledge basic or applied:

The department contribute to the production of new knowledge in various ways. Publications of the faculties are one such way.

51. Detail five major Strengths/Weakness, Opportunities and Challenges

Strengths

• Centre of Excellence for disseminating knowledge through the non-formal method.



- Phenomenal growth of students due to credibility and cost-effectiveness of the system.
- Increased acceptance by various agencies.
- Excellent Staff strength.
- Extensive, efficient and functionally effective network for diversified student support and collaborative learning.

Weakness

- Access not beyond district level
- Inadequate mechanism for continuous professional development of faculty and staff due to financial problem
- Lack of funds to promote collaborative inter-university alliances/consortium
- Lack of browsing facilities for the students
- Lack of international collaboration

Opportunities

- Ever increasing opportunities for higher education and up gradation of life-coping skills.
- Scope for imparting education using emerging technologies
- Need for continuous training of a huge workforce in the developing countries with large populations, projects and plans
- Focussing on disadvantaged groups and less developed regions

Challenges

- Continuing professional development of faculty and staff, especially for technology-enabled education and training
- Continued efforts required to upgrade standards in the context of global competition.
- Attracting best talent and retaining them
- Sustain quality education under resource constraints and pressure of large numbers
- National and international networking

52. Future plans of the department

• To become centre of excellence in the national level in Lifelong Learning and Extension



Mahatma Gandhi University

- To start M.A in Counselling.
- To start online courses in Counselling &Management of Learning Disabilities etc (6 month certificate courses.
- To start a Civil Services Coaching Centre at the Department and to give coaching for preliminary, Main and Interview.
- To develop the department as a Skill Development Centre.
- To adopt an entire village as a live lab for the extension activities of the Department.



DEPARTMENT OF PRINTING AND PUBLISHING

1.	Name of the Dept:	:	DEPARTMENT OF PRINTING AND PUBLISHING			
2.	Year of establishment	:	1988			
3.	Is the Department part of a School/Faculty of the university?	:	NA			
4.	Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)	:	NIL The activities of the december with the			
5.	Interdisciplinary programmes and departments involved	:	The activities of the department are highly interdisciplinary where the department publishes books related to Humanities Social Science, Science and Arts			
6.	Courses in collaboration with other universities, industries, foreign institutions, etc.	:	NIL			
7.	Details of programmes discontinued, if any, with reasons	:	NIL			
8.	Examination System	:	Not Applicable			
9.	Participation of the department in the courses offered by other departments:	:	Preparing books in the syllabus of UG and PG courses of the University			
10.	Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/Asst. Professors/others)	:	NA- This is not a teaching Department			

- 11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance: NA
- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : Not Applicable
- 13. Percentage of classes taken by temporary faculty programme-wise information:

Not Applicable

- 14. Programme-wise Student Teacher Ratio: Not Applicable
- 15. Number of academic support staff (technical) and administrative staff (sanctioned, filled and actual):

Administrative Staff

Director- Vacant

Technical Staff

Cultural Officer – Retired from service on 30-11-16

Asst Editor (Malayalam) – Retired from service voluntarily on 31-7-16

Asst Editor (English) - On leave

Office Staff: 3 (Permanent -2, Temporary -1)

16. Research thrust areas as recognized by major funding agencies

- ➤ Publishing books prescribed in the syllabus of Under Graduate and Post Graduate Courses of Mahatma Gandhi University
- ➤ Co-publishing books (that are very much helpful to the society) with famous publishers
- > Selling rare and famous books published by different publishers through the book stall run by the Department
- 17. Number of faculty with ongoing projects from a) national b) international funding Agencies and c) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise: Not Applicable



18. Inter-institutional collaborative projects and associated grants received Books published by the Department from 2010

Sl. No	Title of Books	Co-Publishing with
1	UNDERSTANDING INDIA: REFLECTIONS ON INDIAN POLITY	MACMILLAN PUBLISHERS
2	SAHITHYA DARPAN	MGUCCS
3	VAAKKUM DRISYAVUM	MGUCCS
4	SAHITHYA MANJUSHA	MGUCCS
5	EZHUTHINTE VAZHIKAL	MGUCCS
6	GADYA VITHANAM	MGUCCS
7	SAMSKRITHIK VIRASATH	MGUCCS
8	VISWA BHARATHI	MGUCCS
9	EVOLUTION OF THE PHILOSOPHY OF SCIENCE- LITERARY PERSPECTIVES	ANE BOOKS
10	EXECUTIVE COMMUNICATION	VIKAS PUBLISHING HOUSE
11	INDIAN ETHOS AND VALUES	VIKAS PUBLISHING HOUSE
12	STATISTICS FOR MANAGEMENT	VIKAS PUBLISHING HOUSE
13	ENVIRONMENTAL MANAGEMENT	VIKAS PUBLISHING HOUSE
14	PRINCIPLES OF MANAGEMENT	VIKAS PUBLISHING HOUSE
15	FINANCIAL ACCOUNTING	VIKAS PUBLISHING HOUSE
16	ECONOMICS FOR BUSINESS	VIKAS PUBLISHING HOUSE
17	DATA PROCESSING	VIKAS PUBLISHING HOUSE
18	BUSINESS MATHEMATICS	VIKAS PUBLISHING HOUSE
19	INDIAL LEGAL SYSTEM	VIKAS PUBLISHING HOUSE
20	E-BUSINESS	VIKAS PUBLISHING HOUSE
21	COST AND MANAGEMENT ACCOUNTING	VIKAS PUBLISHING HOUSE
22	ORGANISATIONAL BEHAVIOUR	VIKAS PUBLISHING HOUSE
23	HUMAN RESOURCE MANAGEMENT	VIKAS PUBLISHING HOUSE
24	FUNDAMENTALS OF MARKETING	VIKAS PUBLISHING HOUSE
25	MANAGEMENT INFORMATION SYSTEM	VIKAS PUBLISHING HOUSE



26	PRODUCTION MANAGEMENT	VIKAS PUBLISHING HOUSE
27	OPERATIONS RESEARCH	VIKAS PUBLISHING HOUSE
28	FINANCIAL MANAGEMENT	VIKAS PUBLISHING HOUSE
29	RESEARCH METHODOLOGY	VIKAS PUBLISHING HOUSE
30	ORGANISATIONAL STUDY	VIKAS PUBLISHING HOUSE
31	PROJECT MANAGEMENT	VIKAS PUBLISHING HOUSE
32	STRATEGIC MANAGEMENT	VIKAS PUBLISHING HOUSE
33	EPPADI PADINARO	SPCS
34	VASTHU VIDYA- THATHWAVUM CHARITHRAVUM	VASTHU VIDHYA GURUKULAM
35	VASTHU VIDYA - SAMOOHA VINYASAM	VASTHU VIDHYA GURUKULAM
36	VASTHU VIDYA - PRASNAVUM PRATHIVIDHIYUM	VASTHU VIDHYA GURUKULAM
37	VADAKKAN PATTU KATHAKAL	DC BOOKS

No grant was received for these projects. The royalty collected during the period is as follows

Summary of Royalty Earned				
Year	Amount (₹ in Lakhs)			
2010	2.32			
2011	3.23			
2012	3.12			
2013	3.05			
2014	0.90			
2015	2.00			
2016	4.02			
Total	18.68 Lakhs			



19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR,

AICTE, etc.; total grants received: Nil

20. Research facility / centre with

•	State recognition:	
•	National recognition:	NIL
•	International recognition:	

21. Special research laboratories sponsored by / created by industry or corporate Bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	Nil
2.	Monographs	Nil
3.	Conference Proceedings	Nil
4.	Chapters in Books	Nil
5.	Edited Books	37
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
9.	Total	37

Number listed in International Database (For e.g. Web of Science, Scopus,

Humanities International Complete, Dare Database - International Social

Sciences Directory, EBSCO host, etc.) Nil

Citation Index – range / average : Not Applicable

SNIP : Not Applicable

SJR : Not Applicable

Impact Factor – range / average : Not Applicable

h-index : Not Applicable

- 23. Details of patents and income generated: Nil
- 24. Areas of consultancy and income generated:

Income generated through Royalty earned by Co publishing books with leading publishers.

Summary of Royalty Earned				
Year	Amount (₹ in Lakhs)			
2010	2.32			
2011	3.23			
2012	3.12			
2013	3.05			
2014	0.90			
2015	2.00			
2016	4.02			
Total	18.68 Lakhs			

- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Not Applicable
- 26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other (please specify): NIL
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): NIL
- 28. Student projects:
 - percentage of students who have done in-house projects including interdepartmental projects: **Not applicable**
 - percentage of students doing projects in collaboration with other universities / industry / institute: Not applicable
- 29. Awards / recognitions received at the national and international level by :

Not Applicable

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any: NIL



- 31. Code of ethics for research followed by the departments: Not Applicable
- 32. Student profile programme-wise: Not Applicable
- 33. Diversity of students: Not Applicable
- 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Not Applicable

- 35. Student progression: Not applicable
- **36. Diversity of staff**: Not Applicable
- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Nil

- 38. Present details of departmental infrastructural facilities with regard to
 - a. Library Equipped with 2746 books
 - b. Internet facilities for staff and students Available
 - c. Total number of class rooms NOT APPLICABLE
 - d. Class rooms with ICT facility: Nil
 - e. Research laboratories: Nil
- 39. List of doctoral, post-doctoral students and Research Associates : Nil
- **40.** Number of post graduate students getting financial assistance from the university: Nil
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Nil
- 42. Does the department obtain feedback from
 - i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Not applicable

ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Not applicable

iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Not applicable

- 43. List the distinguished alumni of the department (maximum 10): Nil
- 44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving external experts: Nil
- 45. List the teaching methods adopted by the faculty for different programmes: Nil
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Not Applicable
- 47. Highlight the participation of students and faculty in extension activities :

Not Applicable

48. Give details of "beyond syllabus scholarly activities" of the department:

NOT APPLICABLE

- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. Not Applicable
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
 - ➤ Published 37 books on co-publishing basis during the period from 2010 to 2016 with different leading publishers.
 - ➤ Published E-book "VADAKKAN PATTUKATHAKAL" first by an Indian University
 - > Selling rare and famous books (with sufficient discounts) published by different publishers through the book stall run by the Department so that these books are easily available to the society
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strength:

- i) Co-publishing books with other publishers helps to publish rare books which are helpful to the students and common people of Kerala.
- ii) Publishes books for UG / PG courses of the University which helps the students of affiliated colleges.
- iii) Runs a book stall in the University campus through which very rare books are made available to the public as well as to the student community.



- iv) Department library has rare collection of books in connection with Printing Industry.
- v) Generates income to the University through Co-publishing as well as through own publication

Weakness:

i. Four main posts are vacant now

Director- Retired from service

Asst Editor (Malayalam) – Retired Voluntarily

Asst Editor (Eng)- On leave

Cultural Officer – Retired from service on 30-11-16

- ii. Lack of printing machinery compels the department to depend external agencies to complete the work
- iii. Since no courses are conducted by the Department, growth of the Department is limited
- iv. Lack of library staff
- v. Lack of space

Opportunities:

- i. The department has successfully published first E-book by an Indian University. Similar ventures may be completed in the future.
- ii. Many more books related to culture of Kerala can be published (now publishing books related to "Vasthu Vidya" in collaboration with Vasthu Vidya Gurukulam)
- iii. Publishing books / study materials of other Universities may broaden the role of the Department and will generate much more income to the University
- iv. Research works of the students of various Departments can be published through proper channel so that the wide information may be made available to the society

Challenges:

- i. Lack of Permanent employees who has educational background related to printing
- ii. Generation of better output with the available resource and facilities.
- iii. Lack of sufficient space, infrastructure and machinery.
- iv. Utilizing effective linkages with Printing industry

52. Future plans of the department.

- ➤ Publishing various books related to topics which are not covered by private publishers.
- ➤ New ventures like E-book in connection with our affiliated colleges



- > Starting courses related to Printing will help the student community
- ➤ By purchasing machinery and appointing technical persons, a wide printing needs of the University can be covered here itself. Especially confidential documents related to examinations



MAHATMA GANDHI UNIVERSITY

Vol. II-B

Evaluative Report of the Centres/ Constituent Colleges/Institutions

Submitted to

National Assessment and Accreditation Council for Re-accreditation



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INTERNATIONAL AND INTER UNIVERSITY CENTRE FOR NANOSCIENCE AND NANOTECHNOLOGY

	Name of the Department		International and	Inter Unive	rsity Ce	ntre for	
1.	_	:	Nanoscience and Nanotechnology				
2.	Year of establishment	:	2009				
3. 4.	Is the Department part of a School/Faculty of the University? Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc.) Interdisciplinary programmes and departments involved	:	Yes • Faculty of the Science • Faculty of Technology and Applied Sciences • MS in Nanoscience and Nanotechnology • M.Phil. in Nanoscience and Nanotechnology • Integrated Ph.D in Nanoscience and Nanotechnology • Ph.D in Nanoscience and Nanotechnology The programmes in the centre are interdisciplinary nature. The courses in Nanosciences and Nanotechnology involve Physics, Chemistry, Biology,				
	-		Polymer Science, Material Science and Engineering				
6.	Courses in collaboration with other universities, industries, foreign institutions, etc.		 Sciences Yes, Students undertake project work in National and International institutions (MS students go for One year project work in abroad and Integrated M.ScPh.D students have 6 month project work abroad as specified in the syllabi MOOC course in collaboration with North Carolina state University .USA 				
7.	Details of programmes discontinued, if any, with reasons		Yes, Integrated M.ScPh.D and M.Phil programmes were discontinued due to less number of permanent faculties in the centre. MS programme has been modified as a new technological programme entitled M.Tech course in Nanoscience and Nanotechnology. This is based on the direction of UGC.				
8.	Examination System		Semester (Choice I	Based Credit	System)		
9.	Participation of the department in the courses offered by other departments		Open Course on Nanoscience and Nanotechnology is offered as interdisciplinary course for all students from the campus				
	Number of teaching posts, sanctioned, filled and actual (Professors/			Sanctioned	Filled	Actual (including CAS & MPS)	
10.	Associate Professors/Asst. Professors/ others)		Professor Associate Professors Asst. Professors Others Adjunct faculty from other	Nil Nil Nil 3	Nil Nil Nil 3	Nil Nil Nil 3	
			departments				



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

Name	Qualification	Designation	Specialization	No. of years of Experience	No.of Ph.D./M.P hil. Students guided for the last 6 years
Prof. Dr. Sabu Thomas	B.Tech, Ph.D, D.Sc., FRSC, C.Chem	Hon. Director Professor	 Polymer blends Fiber filled polymer composites Particulate filled polymer composites Interpenetrating polymer systems Scaffolds for tissue engineering Nanocomposites for water purification Nanocomposites for electronic application 	30	Ph.D-2 M Phil-12
Dr. Nandakuma r Kalarikkal	Ph.D	Associate Professor	 Nanomultiferroics Nanosemiconducto rs and Nanophosphors Nanoferroelectrics Nanoferrites Nanomedicine Nanosensors Ion beam irradiation effects & Phase transitions 	20	Ph.D - 2 M Phil - 8
Dr.Raji V.	Ph.D	Asst. Professor	Cancer Biology Nano Drug Delivery	5	M Phil –3



12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Sl. No	Name	Visiting Fellows/Adjunct faculty/ Emeritus professors	Specialization
1.	Prof. C.N. R. Rao	Visiting Professor	Nanoscience and
			Technology
	D D 1 A 11.11	M. W. D. C	Fracture Mechanics,
2.	Dr.Rameshwar Adhikari	Visiting Professor	Polymer Blends and
	D W. 1 W D.II .	AV D. C	Composites
3.	Dr. Vijayamohanan K Pillai	Visiting Professor	Material Science
4.	Dr.Baldev Raj	Visiting Professor	Material Science
5.	Prof.SreckoValic	Visiting Professor	Material Science
6.	Prof.Abderrahim Boudenne	Visiting Professor	Polymer Science
7.	Prof. B.A Wolf	Visiting Professor	Polymer Science
8.	Dr.Ashish K Lele	Visiting Professor	Polymer Rheology
9.	Prof. Suresh Valiyaveetil	Visiting Professor	Nanocomposites
10.	Prof R Damodharan	Visiting Professor	Material Science
11.	<u>Prof.JuergenPionteck</u>	Visiting Professor	Polymer Blends
12.	Prof. Samuel Oluwatobi Oluwafemi	Visiting Professor	Chemistry, Nanoscience
13.	Prof. Manfred Stamm	Visiting Professor	Polymer Physics, Nanoscience
15.	Prof. Ajay K. Sood	Visiting Professor	Material Science
16.	Dr. Dominique Durand	Visiting Professor	Material Science
17.	Prof. Christopher Sinturel	Visiting Professor	Material Science
18.	Dr.Latha M S	Adjunct Faculty	Drug Delivery
19.	Dr. Geethamma V.G.	Adjunct Faculty	Polymer Technology
20.	Dr. S. Anas	Adjunct Faculty	Organic Chemistry
21.	Prof. ANil Kumar	Adjunct Faculty	Organic Chemistry
22.	Prof. M. Padmanaban	Adjunct Faculty	Inorganic Chemistry
23.	Prof. M.R Gopinathan Nair	Adjunct Faculty	Polymer Chemistry
24.	Dr.Laly A Pothan	Adjunct Faculty	Polymer Chemistry
25.	Prof Lovely Mathew	Adjunct Faculty	Polymer Chemistry
26.	Prof. Sony C George	Adjunct Faculty	Nanoscience



13. Percentage of classes taken by temporary faculty – programme-wise information:

Programmes	2011-12	2012-13	2013-14	2014-15	2015-16
MS	34 %	42 %	51 %	52 %	47 %
M.Phil.	48%	56 %	43 %	61 %	51 %
Integrated Ph.D				50%	49%

14. Programme-wise Student Teacher Ratio:

Programme	Student Teacher Ratio
MS	3:1
M.Phil.	4:1
Integrated Ph.D.	4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled and actual
Technical	0	2 (contract)
Administrative	0	3 (contract)
Staff		

16. Research thrust areas as recognized by major funding agencies

Areas of Research:

- Polymer nanocomposites for water purification
- Polymer blends and composites
- Polymeric nanocomposites for electronic application such as sensing, EMI shielding, etc
- Elastomeric nanocomposites for neutron shielding application
- Polymeric nanocomposites for packaging application
- Nanostructured polymer blends and composites
- Biopolymeric material for wound healing application
- Polymer Quantum Dot for cell imaging application



- Synthesis and characterization of polysaccharides and various technological application
- Photovoltaic solar cell
- Cavitation Bubbling during Liquid Phase Laser Ablation
- Nano electronics

Fund received from: Aeronautics R & D Board, UGC, DST, DBT, BRFST, BRNS, MeitY, ISRO, CSIR, Indian Council of Medical Research, DRDO, MRF Tyres.

- 17. Number of faculty with ongoing projects from a) national- b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.
 - a) National

Sl. No	Title of the Project	Duration	Funding Agency	Amount (₹ in Lakhs)
	Prof. Sabu Thomas			
1.	Rod-coil type block copolymers and their composites as functional nanostructured materials for soft electronics	2016-2018 (3 Years)	DST-Kothari PDF	17.00
2.	Development of a magnetic field sensor based on multiferroic laminar composite	2016-2018 (3 Years)	DST-Kothari PDF	17.00
3.	Poly(lactic acid) nanocomposites for packaging applications	2015-2018 (3 Years)	DST-Kothari PDF	17.86
4.	Development of ZnO based solar cells sensitized by dyes and biological molecules	2015-2018 (2 years)	DST-Kothari PDF	20.00
5.	Polymer Quantum Dot aptamer hybrid conjugate for hepatocellular carcinoma cell imaging application	2015-2017 (2 years)	KSCSTE - PDF	9.44
6.	Size dependent antimicrobial activity and mode of action of nanoparticles emphasized with Ag nanoparticles against multiple drug resistant pathogens	2015-2018 (3 Years)	DST-Kothari PDF	20.16
7.	Novel thermoplastic elastomer composition for neutron shielding applications	2015 – 2017 (2 Years)	DAE, BRNS	34.66
8.	Engineering biopolymeric twin skip patch (tsp) matrices for wound healing applications	2015-2018 (3 Years)	DST-Kothari PDF	17.00
9.	Hybrid nanocomposites of natural rubber/chlorobutyl rubber blends for automotive inner liners and inner tubes	2014-2016 (3 Years)	DST-Kothari PDF	18.20
10.	Engineering of nano-structured high performance epoxy/liquid rubber blends with controlled nanoparticle localization	2014-2017 (3 Years)	CSIR	14.92



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11.	Development of super tough Thermoset from self-assembled nanostructured block copolymer/epoxy resin blends	2014-2017 (3 Years)	DRDO	29.62
12.	Miscibility, morphology and properties of NR/SBR and BR based binary and ternary rubber blends and the influence of carbon black and silica filler distribution on blend properties	2014-2017 (2.5Years)	MRF	3.00
13.	Development of engineered nanostructured materials for high performance application	2010-2013	DST Nano Mission	524.06
14.	Development of multi walled carbon nanotube filled polycarbonate/polypropylene double percolating conductive polymer blend nanocomposites for electromagnetic interference shielding Gaskets for mobile phones	2012-2015	MeitY	41.82
15.	High performance nylon clay nanocomposites for dental applications		ICMR	25.00
	Dr.Nandakumar Kalarikkal			
16.	Design and applications of magnetically responsive self-assembled polymer nanocomposites	2016-2019 (3 Years)	DST Nano Mission	200.00
17.	Physics of Cavitation Bubbling and Hydrogen Generation during Liquid Phase Laser Ablation	(2015- 2017	BRFST- BRNS	34.96
18.	Development of one-dimensional multi- ferroic nanocomposites for device applications	2015 - 2017	KSCSTE	10.00
	Dr.Raji V			
19.	AuNP/LDH core shell nanoparticles a novel multifunctional candidate for gene delivery	2016-2018 (2 Years)	KSCSTE	15.00

b) International: Prof.Sabu Thomas

Sl. No	Title of the Project	Duration	Funding Agency	Amount (Rupees in Lakhs)
1.	Studies on cellulose nanocrystals and their applications in nanocomposites with varying technological applications	2014 – 2017 (3 Years)	DST (Indo- Brazil) International Bilateral co- operation	27.29

Total grant received: ₹ 1096.99 Lakhs



18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

SL.No	Project Title	Funding agencies	Total Fund in Lakhs (₹)
1.	DBT builder programme with School of Bio Sciences	DBT	450.00

b) International collaboration

SL No	Project Title	Funding agencies	Total Fund (₹ in Lakhs)
1.	Nano biomaterials water purification	Researcher Links scheme offered within the Newton Fund, the British Council & Royal Society of Chemistry ,London	5.00
2.	Crosslinked polyethylene nanocomposite for cable insulating application	University of Mara, Malaysia	3.00

Total grants received: ₹ 458 Lakhs

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

SL No	Funding Agency	Project	Grants received (₹ in lakhs)
1.	MeitY	Visvesvaraya Ph.D Scheme for Electronics and IT	89.77
2.	SARD	KCSTE under SARD Project	29.60
3.	Plan Fund,	Nanoscale Materials for water purification and fabrication of nano composites for Biomedical application	100.00
4.	Govt. of Kerala	University-Industry Collaboration and Development of New Technologies	40.00
5.		Online course on Introduction to Nanoscience and Nanotechnology	50.00

Total grants received: ₹ 309.37 Lakhs



20. Research facility / centre with

State recognition :Yes
 National recognition :Yes
 International recognition :Yes

21. Special research laboratories sponsored by / created by industry or corporate bodies

Sponsored laboratory: 1 International Laboratory

An Ingenuity Lab Research Hub was set up in collaboration with International and Inter University Centre for Nanoscience Nanotechnology (IIUCNN) at Mahatma Gandhi University in Kottayam, Kerala India. The focus of this new, unique, and collaborative facility is to implement applied research to fight for good health, good water and good environment. Ingenuity Lab is an initiative established by the province of Alberta at university of Alberta in Canada, led by Professor Carlo Montemagno, to bring the best minds together to address global challenges. Ingenuity Lab is selected as the Best Nanotechnology Research Organization in 2014 by "The New Economy" (www.ingenuitylab.ca). IIUCNN at Mahatma Gandhi University, led by Professor Sabu Thomas, carries a strong vision to perform and coordinate academic and research activities in the frontier areas of Nanoscience and Nanotechnology by incorporating physical, chemical, biological and environmental aspects. Dr. Babu Sebastian, Honorable Vice Chancellor of Mahatma Gandhi University inaugurated the ingenuity lab of University of Alberta at IIUCNN in the presence of Prof. Carlo, Director, Ingenuity lab. Vice chancellor also signed an MoU on the same day to intensify mutual collaboration between Mahatma Gandhi University and Ingenuity lab.

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	269
2.	Monographs	Nil
3.	Conference Proceedings	23
4.	Chapters in Books	43
5.	Edited Books	52
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
9.	Total	387



23. Details of patents and income generated: Nil

SL No	Patent details
	Biodegradable, Biocompatible Wound Healing Dressing Film and
1.	ointment from the Biocomposite of Marine Origin, Indian Patent
	application: 840/DEL/2013, M. Kurup and Sabu Thomas
	Method for improving the comparative tracking index of polymer
2.	composites, Indian patent Application No:4239/CHE/2014,
۷.	Harinarayanan Puliyalil, Uros Cvelbar, MiranMozetic, Sabu
	Thomas.
	A polymer Nanocomposite, Process And Application there-
	of ,WIPO Publication number: WO2016142848 A1, Publication
3.	date: Sep 15, 2016, and Indian patent Application No:
	638/DEL/2015 Mohammed Arif P, Sabu Thomas, Nandakumar
	Kalarikkal

24. Areas of consultancy and income generated:

SL. No	Description	Income generated (in Lakhs)
1.	Student projects (1 month to 12 months)	0.95
2.	Testing and analysis of polymeric samples	10.00
3.	Consultancy with industry (Plant Lipids)	3.50
	Total	14.45

- Plant Lipids India Ltd. consults our centre quite often for the development of nanoparticle and plant derived medicine.
- Several colleges in Kerala and outside consult our centre for project work

25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad:

Nationally: Prof. Sabu Thomas: Invited Lecture

Name of Programme	Institute	Date
National Seminar on Nanotechnology and renewable Energy	K.E College, Kottayam	Oct 30-31st 2013
National Seminar on Current trends Chemistry(CTric 2014)	Cochin University of Science and Technology	2014
National Seminar on Perspectives	Marthoma College of Science and	7 th November



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in Material Sceince	Technology Ayur	2014
National Seminar on Recent Approaches in Biochemical Research (RABR -2014)	Department of Biotechnology, Thiruvanthapuram, Kerala.	2014
National Seminar on Recent Advances in Nanoscience RANSS 14	Auxillum College Vellore Tamil Nadu	21-22 November 2014
Advances in Biotechnology 2014 (CUSAT)	Cochin University of Science and Technology	15 TH -16 TH December 2014
UGC Sponsored National Seminar "Advanced topic in Chemistry- ATC 2015	Sree Narayana College Nattika	19-20 August 2015
Recent Advances in Spectroscopy: A Chemical and Biological perspective –II	Newman College ,Thodupuzha	14-15 September 2015
Recent Advance in Spectroscopy a chemical and Biological perspective -2	Newman College Thodupuzha	14-15 Sep 2015
Emerging Nanomaterials NSEN - 2015	Deva MATHA College ,Kuruvilangad	6 th January 2015
International CONFERENCE ON Understanding Contemporary India	ICCS, Mahatma Gandhi University	14-15 January 2016
International Conference on Advances in applied Mathematics, Materials Science and Nanotechnology for Engineering and Industrial application.IC- AMMA-2K16	Federal INSTITUTE OF Science and Technology (FISAT)	JANUARY 2016

Dr. Nandakumar Kalarikkal: Invited lecture

Name of Programme	Institute	Date
National Conference on Recent Advances	Indian Institute of	18-20 January 2010
in Correlated Electron Systems	Technology, Guwahati	10-20 January 2010
International Conference on	Mahatma Gandhi	27-29 April 2010
Nanomaterials; Synthesis, characterization	University, Kottayam,	21-29 April 2010
and applications	Kerala	
Second International Conference on natural polymers, bio-Polymers, biomaterials, their composites, Blends, IPNs and Gels, Polyelectrolytes and Gels:	Mahatma Gandhi University, Kottayam, Kerala	24-26 September 2010



Macro to Nano Scales-ICNP-2010		
First International Conference on Composites and Nanocomposites-ICNC- 2011	Mahatma Gandhi University, Kottayam, Kerala	7-9 January 2011
Theme meeting on Utilization of National Facility for Neutron Beam Research (NFNBR)	Bhabha Atomic Research Centre, Mumbai	October17-18, 2011
Third International Conference on Frontiers in Nanoscience and Technology- Cochin Nan0-2011	Cochin University of Science and Technology, Cochin	14-17 August 2011
Deakin India Research Initiative (DIRI) Symposium 2011 – Frontiers in Science'	TERI Deakin Nano Bio Research Centre, Gurgaon, Haryana	21-23November, 2011
First International Conference on Plasma Processing of Organic Materials and Polymers-PPOMP-2011	Mahatma Gandhi University, Kottayam	25-27November 2011
UGC Sponsored National Seminar on Current Developments in Nano Materials	Catholicate College, Pathanamthitta	7-9 December 2011.
28th National Symposium on Plasma Science & Technology(PLASMA – 2013)	KIIT University, Bhubaneswar.	3rd December to 6 th December 2013
International Conference on Energy Harvesting Storage and Conversion (IC- EEE 2015	Cochin University of Science and Technology, Cochin	4-7 Feb 2015
Deakin India Research Initiative- Symposium-2015	The Energy and Resources Institute, Delhi.	December 6-9, 2015
Three day lecture in 'Key Parameters in Science Park Management'	Iran	December 18-20, 2015

International

Sl. No.	Name of the university/industry	Date	Purpose
Prof	. Sabu Thomas (2010-2016)		
1	Distinguished Professorship, Josef Stefan Institute, Slovenia	2010 October to 2010 Nov	Visiting professor
2	University Technology Mara (UiTM), Malaysia	2010 Dec	Senior Visiting Professor
3	University of Strasbourg, Strasbourg, France	2011 April- 2011 June	Visiting Professor
4	University of Burgos, Burgos, Spain	2011 July 2011 July	Visiting Speaker
5	University Technology Mara (UiTM), Malaysia	2011 Dec. 2011 Dec	Senior Visiting Professor



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			Inches 1 C
6	Changwon University, Pusan, Korea	2012 Feb	Invited Guest Professor
7	Universite Lorrane, Nancy, France	2012 April- May	Visiting Professor
8	University of Strasbourg, France	2012 June	Visiting Professor
9	University of Paris, France	2012 July	Visiting Professor
10	Adam Mickiewicz University, Poznan, Poland	2013 Feb	Visiting Professor
11	University Technology Mara (UiTM), Malaysia	2013 October	Senior Visiting Professor
12	University Technology Mara (UiTM), Malaysia	2013 December	Senior Visiting Professor
13	University Technology Mara (UiTM), Malaysia	2014 April	Senior Visiting Professor
14	Warsaw University of Technology, Warsaw, Poland	2014 June	Visiting Professor
15	LIMATB, France	2015 March	Visiting Professor
16	Institute of Chemistry, University of GRAZ, Austria	2015 May	Visiting Professor
17	University of Armenia	2015 September	Visiting Professor
18	Qilu University of Technology, Jinan, China	2015 December	Visiting Professor
19	Hong Kong Polytechnique, Hong Kong	2016 August/September	Visiting Professor
20	Federal University of Uberlanda, Brazil	2016 September	Visiting Professor
21	Institute of Biophysics of Russian Academy of Science, Siberian Federal University, Russia.	2016 October	Visiting Professor

	Dr. Nandakumar Kalarikkal (2010-2016)			
1	Key Parameters in Science Park Management	INTER ISLAMIC NETWORK ON SCIENCE AND TECHNOLOGY PARKS(INSTP) AND THE OIC Standing Committee on Scientific and Technological cooperation (COMSTECH),IRAN	Visiting professor	



26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

a) National committees

Prof. Sabu Thomas: Conference advisory committee

Name of conference/Seminar	Institute	Date
National Seminar on Nanotechnology and renewable Energy	K.E College, Kottayam	Oct 30-31 st 2013
National Seminar on Current trends Chemistry(CTric 2014)	Cochin University of Science and Technology	2014
National Seminar on Perspectives in Material Sceince,	Marthoma College of Science and Technology, Ayur	7 th Novemeber 2014
National Seminar on Recent Approaches in Biochemical Research (RABR -2014)	Department of Biotechnology, Thiruvanthapuram, Kerala.	2014
National Seminar on Recent Advances in Nanoscience RANSS 14	Auxillum College Vellore Tamil Nadu	21-22 November 2014
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Recent Advances in Spectroscopy: A Chemical and Biological perspective - II	Newman College ,Thodupuzha	14-15 September 2015
Recent Advance in Spectroscopy a chemical and Biological perspective -2	Newman College Thodupuzha	14-15 Sep 2015
Emerging Nanomaterials NSEN - 2015	Deva MATHA College, Kuruvilangad	6 th January 2015
International CONFERENCE ON Understanding Contemporary India	ICCS, Mahatma Gandhi University	14-15 January 2016
International Conference on Advances in applied Mathematics, Materials Science and Nanotechnology for Engineering and Industrial application. IC-AMMA- 2K16	Federal institute of science and Technology (FISAT)	January 2016



Dr. Nandakumar Kalarikkal: Conference advisory committee

Name of conference/seminar	Institute	Date
National Conference on Recent Advances	Indian Institute of	10.20 I 2010
in Correlated Electron Systems	Technology, Guwahati	18-20 January 2010
International Conference on	Mahatma Gandhi	27-29 April 2010
Nanomaterials; Synthesis, characterization	University, Kottayam,	21-29 April 2010
and applications	Kerala	
Second International Conference on		
natural polymers, bio-Polymers,	Mahatma Gandhi	24-26 September
biomaterials, their composites, Blends,	University, Kottayam,	2010
IPNs and Gels, Polyelectrolytes and Gels:	Kerala	
Macro to Nano Scales-ICNP-2010		
First International Conference on	Mahatma Gandhi	
Composites and Nanocomposites-ICNC-	University, Kottayam,	7-9 January 2011
2011	Kerala	
Theme meeting on Utilization of National	Bhabha Atomic Research	October 17-18,
Facility for Neutron Beam Research	Centre, Mumbai	2011
(NFNBR)	,	2011
Third International Conference on	Cochin University of	14-17 August 2011
Frontiers in Nanoscience and Technology-	Science and Technology,	14 17 Magast 2011
Cochin Nan0-2011	Cochin	
Deakin India Research Initiative (DIRI)	TERI Deakin Nano Bio	21-23 November,
Symposium 2011 – Frontiers in Science'	Research Centre,	2011
	Gurgaon, Haryana	
First International Conference on Plasma	Mahatma Gandhi	25-27 November
Processing of Organic Materials and	University, Kottayam	2011
Polymers-PPOMP-2011	•	
UGC Sponsored National Seminar on	Catholicate College,	7-9 December 2011.
Current Developments in Nano Materials	Pathanamthitta	
28th National Symposium on Plasma	KIIT University,	3rd December to 6 th
Science & Technology(PLASMA – 2013)	Bhubaneswar.	December 2013
International Conference on Energy	Cochin University of	
Harvesting Storage and Conversion (IC-	Science and Technology,	4-7 Feb 2015
EEE 2015	Cochin	
Deakin India Research Initiative-	The Energy and	
Symposium-2015	Resources Institute,	December 6-9, 2015
Symposium 2013	Delhi.	

b) International committees

Name of the faculty	Details	
	Visiting Professor at University of Armenia(2015 September)	
Prof. Sabu Thomas	Course titled "Key parameters in Science Park Management" organized by Inter-Islamic Network on Science and Technology parks (INSTP) Guilan, Iran.(2015 December)	
	• 2014 March, Plenary Speaker, University of Basra, Iraq	
	• 2014, April, Invited Speaker, University Technology, Mara, Malaysia	



	2014 July, Invited Speaker, Durban University of Technology, Durban, South Africa
	2015 June, ICMAT2015 & IUMRS-ICA2015, 8th International Conference on Materials for Advanced Technologies of the Materials Society of Singapore and 16th IUMRS - International Conference in Asia together with 4th Photonics Conference 2015
	2015, August 9th National Affinity Techniques Symposium" (AFFTECH 2015); "4th Nanomedicine World Congress (NANOMED 2015)" and "2nd International NanoBioTechnology Symposium" focusing also Nanomedicine (NANOBIOTECH 2015), Dalaman, Turkey & AFFTECH 2015.
	• 2015, Invited Speaker, Durban University of Technology, Durban, South Africa
	• 2016 April, Plenary speaker for "XXI IUPAC CHEMRAWN - Solid Urban Waste Management, Rome, Italy.,
	2016 April, Invited speaker for (The World Academy of Sciences) TWAS Research Grants Conference - Shaping Careers in Science, Trieste, Italy,19th to 22nd
	• 2016 May, Plenary speaker for WasteEng2016, Conference, Albi, France,23rd to 26 Albi France
	2016 June, Invited speaker for the seminar entitled "King Mongkut's University of Technology, Bangkok, Thailand.
	• 2016 October, Institute of Biophysics of Russian Academy of Science, Siberian Federal University, Russia.
	2016 October The International Rubber Conference 2016 Kitakyushu, Japan (IRC2016 Kitakyushu)
Dr. Nandakumar Kalarikkal	INTER ISLAMIC NETWORK ON SCIENCE AND TECHNOLOGY PARKS(INSTP) AND THE OIC Standing Committee on Scientific and Technological cooperation (COMSTECH),IRAN

c) Editorial Boards: Editor

Name of the faculty	Details
Prof. Sabu Thomas	Editor, Nano structures and Nano objects, Elsevier

Editorial Board Memberships: Prof. Sabu Thomas

- > SM Journal of Nanotechnology and Nanomedicine
- ➤ Nano Advances
- ➤ Materials Science and Engineering (Editorial Key Reviewers Committee)



- ➤ International Journal Of Advances In Engineering Research
- ➤ World Journal of Biotechnology
- ➤ Journal of Emerging Materials Technology
- > Associate Editor, Bulletin of Materials Science
- ➤ Regional Editor of the journal "Current Smart Materials

Academic Referee for Universities and Funding Agencies: Prof. Sabu Thomas

- University of Sains, Malaysia
- University of Calcutta, Calcutta, India
- University of Rajasthan, Jaipur, India
- DST, India
- DBT, India
- CSIR, India
- NRF, South Africa
- EU Projects
- NSF-DST Projects

d) Any other (Reviewer for international journals)

Name of the faculty	Details	Journal Name
Prof. Sabu Thomas	ACS Journals	Macromolecules, Langmuir, Biomacromoleccules, Industrial Engineering chemistry, JACS, ACS Nano
	RSC Journals	Soft matter, RSC Advances, Polymer chemistry, PCCP,
	Elsevier Journals	Polymer, Industrial crops and products
	Wiley Journals	Journal of Applied Polymer Science, Composite science and Technology, Journal of Thermal Analysis, Polymer and Polymer composites, Journal of Polymer science Part B: Polymer Physics, Composites Part A and Part B, Polymer composites, Polymer Engineering and sciences, European Polymer journal, Journal of Material Science, Applied clay science
Dr. Nandakumar Kalarikkal	Springer	Journal Of Sol-Gel Science and Technology, Journal of Material Science
	RSC Journals	RSC Advances
	Elsevier	Journal of Magnetism and Magnetic
	Journals	Materials



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

We have organized number of National and International Conferences and Workshops:

- 1. International conference on Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications (ICM-2016) 13-15 May 2016
- 2. First International Conference on Advanced Materials for Power Engineering , 11-13 December 2015
- 3. International Conference on Nanostructured Polymeric Materials and Polymer Nanocomposites (ICNPM 2015) on 13, 14 and 15 November 2015
- 4. World Congress on Microscopy: Instrumentation, Techniques and Applications in Life Sciences and Materials Sciences
- 5. Fourth International Conference on Natural Polymers (ICNP 2015): 10-12 April 2015
- 6. Second International Conference on Nanostructured Materials and Nanocomposites (ICNM 2014): 19 21 December 2014.
- 7. International Conference on Plasma & Nanotechnology and 29th National Symposium on Plasma Science & Technology (PLASMA-2014)
- 8. Third International Conference on Polymer Processing and Characterization (ICPPC 2014): 11-13 October 2014
- 9. First World Conference on Fracture and Damage Mechanics (FRACTURE 2014): 9-11 August 2014
- 10. Third International Conference on Recycling and Reuse of Materials (ICRM 2014): 11-13 April 2014
- 11. International Conference on Advanced Polymeric Materials (ICAPM 2013) : 11-13 October 2013
- 12. Third Euro-India International Conference on Nanomedicine and Tissue Engineering (ICNT 2013): 9-11 August 2013
- 13. First International Conference on Advanced Nanocomposite for Construction Materials: 12-14 March 2013
- 14. India-Israel Meet on Material Science and Nanoscience, February 1, 2013.
- 15. Third International Conference on Natural Polymers (ICNP2012): 26-28 October 2012.
- 16. First Indo- US International Conference on Polymers for Packaging Applications (ICPPA 2012) 31st March 2nd April 2012
- 17. Third International Multicomponent Polymer Conference (ICMPC-2012) 23-25 March-2012.
- 18. International Conference on Nanomaterials: Synthesis, Charecterisation and Application (ICNM-2012) February- 1-3, 2012
- 19. Second International Conference on Nanomaterials: Synthesis, Characterization and Applications-ICN 2012 held during 12-15 January 2012
- 20. International conference on Nanoscience and nanotechnology-2011, November, 12-15, 2011.
- 21. International conference of waste management-2011(International Conference on Composites and Nanocomposites (ICNC-2011).



Workshops:

- 1. One Day Outreach Program on Facilitating Innovation and Patent Filing' organized by the MHRD Chair on IPR and Inter University Centre for IPR studies (IUCIPRS), Cochin University of Science and Technology (CUSAT) on 29th February 2016,
- **2.** One Day Outreach Program on Facilitating Innovation and Patent Filing' organized by the MHRD Chair on IPR and Inter University Centre for IPR studies (IUCIPRS), Cochin University of Science and Technology (CUSAT) on Friday, 19th of August 2016.

28. Student projects

Percentage of students who have done in-house projects including inter- departmental projects	0%
Percentage of students doing projects in collaboration with other universities/industry / institute	100%

29. Awards / recognitions received at the national and international level

• by Faculty

	1. Awarded Doctorat Honoriscausa-LIMATB, University of South
	Brittany, France 2015
	2. Awarded Society For Educational & Scientific Research.
	(SESR) Nanotech Scientist Award- 2014,
Prof Sabu Thomas	3. Awarded Bronze Medal of Chemical Research Society (CRSI)
Pioi Sabu Tilollias	of India, 2013
	4. Awarded Materials Research Society of India Award (MRSI),
	2013
	5. Fellow of the Royal Society of Chemistry, London, FRSC, 2012
	6. Distinguished Professorship Award, Josef Stefan Institute,
	Slovenia,2010
Dr Nandakumar	1. Visiting Fellow, Jawaharlal Nehru Centre for Advanced
Kalarikkal	Scientific Research, Bangalore, India
Kaialikkai	2. Visiting Professor, Gulbarga University, Gulbarga, Karnataka
	under SAP scheme of UGC



• Doctoral / Post-doctoral fellows –

Name	Award		
	Best poster award, International Conference on Membranes (ICM-2013), MGU		
	2. Best poster presentation in Second International Conference on Nanomaterials: Synthesis, Characterization and Application India-2013, MGU.		
Robin Augustine	3. Best Poster Presentation Award -International Conference on Advanced Nanocomposite for Construction Materials (ICNC-2013), MGU		
	4. Best oral presentation award -International Conference on Tissue Engineering and Regenerative Medicine (ICAPM-2013) National Institute of Technology, Rourkela, Odisha		
	 5. Best poster award-Bioradiance 2014 (National level seminar), organized by the Pushpagiri Research Centre, Tiruvalla, Kerala. 6. Third prize for poster presentation ,2nd International Conference of Nano Materials(<i>ICNM</i>)2014, <i>MGU</i> 		
Jemy James	Best Oral Presentation - International Conference On Plasma Science And Nanotechnology, & 29 th National Symposium On Plasma Science And Technology, MGU		
Preetha Balakrishnan	Best Oral Presentation Award -National Seminar on Material Science and Modern Analytical Techniques on 26 th &27 th of March 2014		
Dr.Praveen.G	 Best Oral Presentation Award, National Seminar On Biopolymers And Green Composites (BPGC-14) Best Oral Presentation Award, National Seminar On Nanochemistry And Nanobiotechnology (Nanochembio-14) Best Poster Presentation Award (Prof. D.M. Vasudevan Award),In Bioradiance-2015 'National Conference On Frontiers In Diabetic Research And Treatment' Best Oral Presentation Award , UGC Sponsored National Seminar 		
	On "Emerging Trends In Nanomaterials" 5. Best paper award ,28 th Kerala Science Congress,2016 1. Best Paper Award - National Seminar on Nanostructured Materials		
Jiji Abraham	 Best Paper Award - National Seminar on Nanostructured Materials (NSM2014),5 Best Paper Award, National Seminar On Advanced Polymer Materials(Hesperos 2015), MGU 		
Blessy Joseph	Best Poster Prize International Conference On Holistic Medicine - ICHM 2015, MGU		
Aneesa .P	Best poster award -Deakin India Research Initiative – International Symposium on Translational Research 2015, New Delhi		



30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Year	Seminars/	Source of	outstanding participants
	Conferences/Workshops First International Conference on Advanced Materials for Power Engineering (ICAMPE 2015): 11-13 December, 2015	funding DRDO, New Delhi DST, New Delhi	B. Rožič, M. Lavrič, M. Trček, G. Cordoyiannis, Z. Kutnjak, S. Kralj (Slovenia) M. Saad Alam(India) Judy Wu (USA)
2015-16	International Conference on Nanostructured Polymeric Materials (ICNPM 2015): 13-15 November, 2015	ICMR, New Delhi KSCSTE, Trivandrum	Manfred Stamm (Germany)
	World Congress on Microscopy (WCM 2015): 9- 11 October,2015	DST New Delhi	Leszek A. Dobrzański, M. (Poland)
	Fourth International Conference on Natural Polymers (ICNP 2015): 10- 12 April 2015	CSIR, New Delhi	Kohzo Ito(Japan)
	Second International Conference on Nanostructured Materials and Nanocomposites (ICNM 2014): 19 – 21 December 2014	DST, New Delhi	Prof. C.N.R.Rao (India) Vijayamohanan K. Pillai(India)
2014-15	Third International Conference on Polymer Processing and Characterization (ICPPC 2014): 11-13 October 2014	MG University KSCSTE, Trivandrum	H. Münstedt (Germany) Graham J. Leggett(UK)
2014-13	First World Conference on Fracture and Damage Mechanics (FRACTURE 2014): 9-11 August 2014	DRDO, CSIR New Delhi	S. Wang and C. M. Harvey(UK)
	Third International Conference on Recycling and Reuse of Materials (ICRM 2014): 11-13 April 2014	CSIR, New Delhi DST, New Delhi INSA, New Delhi KSCSTE, Trivandrum	A.V. Ratna Prasad*, K. Ramanaiah, K. Mohana Rao, K.M.V Ravi Teja(India) Abdeen Omer(UK) Abitha V K , K Rajkumar, Dr. P. Thavamani(India)



	International Conference on Advanced Polymeric Materials (ICAPM 2013): 11-13 October 2013	DST New Delhi	Abraham J. Domb, Neeraj Kumar, Wahid Khan, Diana Surendra Kulkarni(India)
2013-14	Third Euro-India International Conference on Nanomedicine and Tissue Engineering (ICNT 2013): 9- 11 August 2013	CSIR, New Delhi DRDO, New Delhi DST, New Delhi ICMR, New Delhi INSA, New Delhi	Animesh Jha, M S Duggal, Tom Vancoillie, Richard Hoogenboom(Belgium)
First International Conference on Advanced Nanocomposite for Construction Materials (ICNC 2013): 12-14 March 2013		AERB, Mumbai CSIR New Delhi DRDO, New Delhi DST, New Delhi ICMR, New Delhi	D.A. Koleva(Netherlands) Paulo Cachim, André Monteiro, Pedro Costa(Portugal)
	Third International Conference on Natural Polymers (ICNP2012): 26-28 October 2012	CSIR, New Delhi DBT, New Delhi DRDO, New Delhi DST, New Delhi INSA, New Delhi	James Jacob (India) Anna Kucinska and Jerzy P. Koh (South Korea) Sandipan Chatterjee(India)
2012-13	Third International Multicomponent Polymer Conference (IMPC-2012) 23- 25 March-2012, Conducted by Center for Nanoscience, M. G. University, Kerala, INDIA	DST, New Delhi DRDO, New Delhi	Richard J. Spontak (USA) José Roberto Tozoni (Brazil) A.P. Uthirakumar(India)
	(ICNM-2012) International Conference on Nanomaterials: Synthesis, Characterization and Application-2012 Kottayam, Kerala, India, February- 1-3, 2012	CSIR, New Delhi DRDO, New Delhi; DST, New Delhi INSA, New Delhi	Lukaszewicz (Poland) Santosh Kumar and Joonseok
	Second International Conference on	DST New Delhi MG University	Brown, M Routledge(UK) Samarendra Maji, Gertjan

	T		I
	Nanomaterials: Synthesis,		
	Characterization and		
	Applications-ICN 2012 to be		
	held at Mahatma Gandhi		
	University, Kottayam, Kerala,		
	India during 12-15 January		
	2012		
	First Indo-US International	CSIR, New Delhi	
	Conference on Polymers for	DRDO, New	Ickowich, Moran
	Packaging Applications	Delhi	Haimzada(Israel)
	(ICPPA 2012)		
	International conference on	ICMD N	
	Nanoscience and	ICMR, New	
	nanotechnology-2011,	Delhi	Sandipan Chatterjee(India)
	Kottayam, Kerala, India	KSCSTE,	1 0 , , , ,
	November, 12-15, 2011	Trivandrum	
	(PPOMP 2011) First		
	International Conference on	CSIR, New Delhi	François Rossi (Italy)
	Plasma Processing of Organic	DST, New Delhi	Abhijit Majumdar, H.C.
	Materials and Polymers 25-27	KSCSTE,	Thejaswini, Rainer Hippler
	November 2011, Kottayam,	Trivandrum	(Germany)
	Kerala, India		, ,
2011 12	International conference of		
2011-12	waste management-2011,		
	Conducted by Center for	DST, New Delhi	Mariusz Walkowiak
	Nanoscience, M. G.	, _ ,	
	University, Kerala, INDIA		
		CSIR, New Delhi	
	ICNC-2011- International	DST, New Delhi	
	Conference on Composites	KSCSTE,	
	and Nanocomposites-2011	Trivandrum	Shakeel Ahmed Ansari and
	Conducted by Center for	DRDO, New	Qayyum Husain(India)
	Nanoscience, M. G.	Delhi	(Poland)
	University, Kerala, INDIA	INSA, New	
	Omversity, Keraia, INDIA	Delhi	
		Dellii	

31. Code of ethics for research followed by the departments

(a) Plagiarism: It's mandatory for all Master and Ph.D students to strictly adhere to plagiarism before submitting any manuscript to a journal. Since last year the doctoral thesis of all researchers at Mahatma Gandhi University needs to submit a plagiarism report in the thesis which should be less than 20%. Nevertheless,



- research scholars and master students are also given special training to use plagiarism software.
- (b) Animal ethical committee: An animal ethical committee has been constituted under University to probe in to the ethical issues involved while performing animal trials at out centre. The committee formulate rules and regulations for performing animal studies in conjunction with other national Animal ethical committees.
- (c) Software. All the software such as windows and other mathematical software such as Matlab, Chem Draw installed at our center are genuine.

32. Student profile programme-wise:

Name of the	Applications	Selec	cted	Pass perce	entage
Programme (refer to question no. 4)	received	Male	Female	Male	Female
M.Phil	150	9	18	100	100
MS	176	12	12	100	100
Ph.D	95	5	22	40% (3- About to complete)	About to complete

33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Phil	80	20	0	0
MS	65	30	5	
Ph.D	67	33		

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, and other competitive examinations? Give details category-wise.:

Nil



35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	60%
Ph.D. to Post-Doctoral	100 % (only two Ph.D awarded)
Employed	
Campus selection	
Other than campus recruitment	40%
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates		
of the same university		
from other universities within the State	50%	
Universities from other States	50 %	
from universities outside the country		

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Name of the Faculty	Degree awarded	Details
Prof. Sabu Thomas	D.Sc	University of South Brittany, LIMATB, France, 2014-2015

38. Present details of departmental infrastructural facilities with regard to:

a) Library	268
b) Internet facilities for staff and students	available
c) Total number of class rooms	No permanent class room, sharing with SPAP and SCS
d) Class rooms with ICT facility	No permanent class room, sharing with SPAP and SCS



e) Students' laboratories	sharing with SPAP and SCS
f) Research laboratories	Bio Lab
	• Synthesis Lab
	Fabrication Lab
	 Characterization and testing lab
	Advanced material Lab

The centre is equipped with many sophisticated instruments which have procured through various projects funded by different agencies. The following instruments are available for performing high quality research in different areas of nanoscience and nanotechnology.

- 1. Atomic Force Microscope
- 2. Autoclave
- 3. Brabender
- 4. Carbon Dioxide Incubator
- 5. Compression Moulder
- 6. Cooling Centrifuge
- 7. Dielectric Measurement System
- 8. Differential Scanning Calorimeter
- 9. Dynamic Contact Angle Meter
- 10. Electrospinning Unit
- 11. High Resolution Transmission Electron Microscope
- 12. Laminar Air Flow System
- 13. Lyophilizer
- 14. ME Coupling Set up
- 15. Nd:YAG Laser
- 16. Plasma Ablation
- 17. Pulsed Laser Deposition
- 18. Z-Scan
- 19. Spin Coater
- 20. Ultrasonicators
- 21. UV-Visible-NIR Spectroscope
- 22. Vector Network Analyzer
- 23. X-ray Diffractometer



39. List of doctoral, post-doctoral students and Research Associates

Name of Guide	Doctoral Fellow	Postdoctoral Fellows
Prof. Sabu Thomas	Jiji Abraham Blessy Joseph Mohammed Arif P	 Dr. Angulakshmi Dr Obey Koshi Dr Praveen G Dr Jiya Jose Dr Hanna J M Dr Ajith kumar M P Dr Aparna T Dr. Jayalakshmy M. S.
Dr. Nandakumar Kalarikkal	Arunima R Lakshmi Priya S Shabina Kappadan Rajakumari R Dr.Sandhya Gopalakrishnan Dr. Indu Raj	
Dr. Geethamma V G (Adjunct faculty)	Ajitha A R Preetha Balakrishnan Anu Surendran	
Dr. Sony George	Bicy K Sahrika T	
(Adjunct faculty)	Maya M.G	
Dr. MR Gopinathan Nair (Adjunct faculty)	Akhina	
Dr.M Padmanaban (Adjunct faculty)	Aswathi M K	
Dr. Laly A Pothan (Adjunct faculty)	Joshy KS	
Prof. Lovely Mathew (Adjunct faculty)	Jithin Joy	
Dr. Radhakrishnan (Adjunct faculty)	Snigtha S Deepa P Mohanan	
Dr. Jayachandran (Adjunct faculty)	Rakhi Mol KR	

40. Number of post graduate students getting financial assistance from the university.

	No. of students sanctioned fellowship		
Total no. of students	State Govt	MG university	
28	4	24	



41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, Whenever the Centre takes initiative to start a new program, at first feedback is collected from stakeholders (Alumni, Experts from academia and Industry, Research Institute). This is discussed thoroughly in the faculty council. The recommendations of faculty council are submitted for further action.

42. Does the department obtain feedback from?

a)	Faculty on curriculum as well as	Yes, the department collects feedback from
	Teaching-Learning-Evaluation? If yes,	Faculty and discussions are conducted in the
	how does the department utilize the	faculty council Meeting. The deliberations of
	feedback?	faculty council meeting are used to improve the
		Teaching-Learning – Evaluation process.
b)	Students on staff, curriculum and	Yes, the department collects feedback from
	Teaching-Learning-Evaluation and how	students and discussions are conducted in the
	does the department utilize the	faculty council Meeting. If the students have
	feedback?	any problems faculty members always take
		steps to solve the problems in the teaching
		learning – evaluation process
c)	Alumni and employers on the	Alumni meetings are conducted annually and
	programmes offered and how does the	the feedback is obtained. The alumni members
	department utilize the feedback?	are our ambassadors.

43. List the distinguished alumni of the department (maximum 10)

Sl. No	Name	Current Position
	Dr. Robin Augustine	National Postdoctoral Fellow, NIT Calicut
	Aruni Shaji	Doctoral Fellow, IPF Dresden, Germany
	Chithira Kartha	Research Associate Freiburg, Germany
	Shibin Thomas Doctoral Fellow, University Paris 6, France	
	Anu AS	Analytical Engineer, IIUCNN, Mahatma Gandhi University, Kottayam
	Anu K John	Assistant Professor, Bharata Mata College, Trikkakara, Kerala
	Dr. Muhammed Ashik U P	Post doc. Japan
	Ansuja Mathew	Ph.D, South Korea

44. Details of student enrichment programmes (special lectures / workshops /seminar) involving external experts.

International and Inter University Centre for Nanoscience and Nanotechnology has organised many national and international conferences, seminars and invited lectures for



the students. The Centre also organises two seminars a week which help the scholars to improve their presentation skills and also give them exposure to the latest findings in the field of Nanoscience and Nanotechnology.

- Seminars twice a week for the students
- Erudite lectures
- Workshops
- Showcasing of research activities.
- Sensitization programmes

International and National invited talk at IIUCNN (2011-2016)

Date	Name	Title of the talk
31.10.2016	Dr. Habeeb Muhammed MA, Department of Physics and Center for Na noScience (CeNS), Ludwig- Maximilians- Universität München, Munich (Germany)	"Hierarchical Gold-Copper Chalcogenide Core Shell Nanoparticle Clusters with Selectable NIR Metal/Semiconductor Plasmon Resonances".
20.10.2016	Dr. Shiju Raveendran, University of Amsterdam, Netherlands.	"Heterogeneous catalysis and its Applications".
03.10.206	Prof. Dr. Clement Sanchez (University of Pierre and Maria Currie, France)	Applications of Hydrid materials
01.10.2016	Dr. Vivek K Srivastava and Dr. Ganesh C. Basak ,Reliance industries, Vadodara, Gujarat	Recent trends in rubber technology
25.07.2016	Prof. Dr. Wim Dehaen, University of Leuven, Belgium.	"Hyper branched Polymers based on Isatin and Electron Rich Arenes: Synthesis and Applications".
16.07.2016	Camille Thevenot, University of de Lorraine in Nancy, France	A piezoelectric polymer material P(VDF-TrFE): elaboration, characterization and applications
14.07.2016	Dr.Kajal Ghosal, Assistant Professor, Dr. B C Roy College of Pharmacy and AHS, Durgapur, India (currently affiliated to CEITEC,MU, Czech Republic)	Electrospinning: Can polymeric films be plasticized without Plasticizers".
08.07.2016	Prof. Dr. Dinesh Kumar Kotnees, Head of the Department of Materials Science and Engineering, Indian Institute of Technology (IIT) Patna	"Preferentially fixing nanoclays in the phases of incompatible polymer blend using thermodynamic approach and its effect on physico mechanical properties"
18.06.2016	Dr Nishar Hameed, Swinburne University of Technology, Australia	"Carbon Fibre – the Material of the Future".



18.06.2016	Dr. Sami Hage-Ali , Associate professor with the micro- nanosystems group (MNS) at Institute Jean Lamour, France	"Applications of silicone based elastomers to flexible radio frequency devices and sensors".
10.06.2016	Dr.Rosana Maria Assuncao Birth, Institute of the Federal University of Uberlandia, Brazil	Physico chemical properties of starch NR-blends
08.06.2016	Dr. Daniel Pasquini, Institute of the Federal University of Uberlandia, Brazil	Nano crystals from starch and cellulose
31.05.2016	Prof. Dr. Zakiah Ahmad (Director, Institute for Infrastructure Engineering and Sustainable Management, Mara) from Malaysia	New frontiers of material science in civil engineering
01.04.2016	Prof. Dr. Josesph Arul of the University of Laval, Canada	Preservation fresh fruits and vegetables
28.03.2016	Prof. Nathalle Gontard (Professor, INRA Research Director, Food & Packaging Scientist) from France	Next generation of packaging to increase full system sustainability.
19.02.2016	Prof. Florian Mormann, MD, Ph.D, Department of Epileptology, University of Bonn, Germany	"The Building Blocks of Memory- The Marilyn Monroe Neuron"
08.02.2016	Prof. Dr. Joanna Ewa Izdebska Warsaw University of Technology, Poland	Printing On Polymers
20.01.2016	Prof Francis Lewu, Head of Department, Department of Agriculture, Faculty of Applied Sciences, Cape Peninsula University of Technology, Western Cape, South Africa	Crop and medicinal species conservation, production and utilization
12.01.2016	Dr. Aji.P.Mathew, Professor, Division of Manufacturing and Design of Wood and Bionanocomposites, Luleå University of Technology, SE 97187, Luleå, Sweden,	Nanocellulose Research
08.12.2015	Dr Apala Majumdar, Associate Professor (Reader) and EPSRC Career Acceleration Fellow, Department of Mathematical Sciences, University of Bath, Claverton Down Bath BA2 7AY, United Kingdom	Problems in nonlinear elasticity, colloidal systems and nanoparticles systems.
01.12.2015	Dr. K.I. Suresh (Principal Scientist, Polymers & Functional Materials Division, CSIR- Indian Institute of Chemical Technology, Hyderabad) on the topic	"The Emulsion Polymerization :The Green Approach to Functional Polymers"

	una Ganani Oniversity	
12.10.2015	Prof. Georgi, from Russia	
14.09.2015	Dr. Venkata Gopal Reddy Chada (Chief Manager- Technology), Asian Paints	Paints and Colours
24.08.2015	Dr. Gregor Filipič from Slovenia	Plasma for controllable surface modifications and nanosynthesis
09 .07.2015	Dr. Vinayan B P, Helmholtz Institute Ulm, Karlsruhe Institute of Technology, Germany	Development of suitable electrolyte for metal sulfur battery, fabrication of high capacity and long cyclic stability sulfur electrode materials and different electrochemical phenomenon within this system.
22.06.2015	Dr. Jacob John	Impact of globalization on national and internationals affairs.
30.04.2015	Prof .Vijaya Mohanan Pillai Director, CSIR-CECRI, Central Electrochemical Research Institute, Karaikudi-630003, Tamil Nadu, India	Nanomaterials for Energy Applications
29.04.2015	Dr. Praveen G. L (University of Kerala) on the topic at 3.00 pm at SCS seminar hall	"Nanocomposites for Biomedical Applications"
21.04.2015	Volker Ribitsch (University of Graz. Austria)	Modification of Nanocellulose
06.03.2015	Mohamed Mehdi CHEHIMI Research Director at French CNRS, Leader of the Surface & Interface research team, Université Paris, France	Surface modification clay
30.01.2015	Dr. Maciej Jaroszewski(Head of High Voltage Laboratory Wroclaw University of Technology, Poland)	Impedance Spectroscopy
26.01.2015	Prof. Suryasarathi Bose, (IISC, Bangalore)	Advanced Polymer Blends
20.01.2015	Prof. Benjamin S Hsiao (Department of Chemistry, Stoney Brook University, New York)	"Breakthrough Water Purification Technologies based on Nanofibrous Membranes"
22.12.2014	Prof. Taofik Shittu , Nigeria	Agriculture
11.12.2014	"Prof. (emerit.) Dr. Werner Mormann, Universität Siegen"	Ionic liquids and cellulose – a perfect green combination
19.11.2014	AASHISH ROY(Postdoctoral Fellow, Department of Materials Engineering Indian Institute of Science)	Conducting polymers for Sensor applications
1.10.2014	Prof. Renata Dantas, University of Campinas, Sao Paulo, Brazil	"Ozonation for water and waste water purification"



17.09.2014	Prof. P.M.G.Nambissan, Saha Institute of Nuclear Physics Kolkata	" The Indian legacy of the evolution of science"	
22.08.2014	Dr.Rajesh A. Shenoi, University of British Columbia, Vancouver BC, Canada	"Designing multifunctional dendritic polymers for macromolecular therapeutics"	
13.08.2014	Dr. Suresh.S. Pillai of Environmental Nanotechnology Division, Institute of Technology, Sligo, Ireland	"Nano materials for Environmental Application"	
31.07.2014	Dr.T.Sidhu, Dean, Professor, Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Canada	"Research Opportunities at University of Ontario Institute of Technology, Canada"	
24.07.2014	DR. Ali Kareem al-lami, Misan University, Iraq	"Preparation and Mesomorphic characterization of supramolecular hydrogen bonding dimer liquid crystals"	
22.07.2014	Dr. Salim Albukhaty	"Transfection of NSCs Neural Stem Cells by BDNF gene using Nano Carrier System"	
18.07.2014	Dr.Bharath Rajaram –Application Scientist –TA USA	Recent Trend in Rheological Characterization using Rheometer & DMA	
15.07.2014	Dr. Burkhard Fechner, Coherent GmbH on	"Recent trends in Excimer lasers in PLD and Nano applications"	
20.06.2014	Dr. Chaitanya Lekshmi Indira, Associate Professor, Department of Chemistry, CMR Institute of Technology, Bangalore,	" Nanoscale Heterostructures: Material Design & Functional Property Understanding for Nanoelectronic Applications"	
07.04.2014	Dr. Maya Padivattathu	Multiscale Material Modelling- Approach and Application	
27.03.2014	Dr. Abjith Saha , UGC- DAE Kolkata Centre	Material Sciences	
25.03.2014	Prof. Tamio Endo Mie University, Japan	"Fabrication of La(Ba,Sr)MnO3/ZnO Heterostructures and Electrical Junction/Switching Characteristics"	
14.03.2014	Dr. A. V. Ravikumar, Indian Institute of Plasma Research	"Applications of Accelerators"	
28.02.2014	Dr. Chan Chin Han, University Technology MARA, Malaysia	"Natural Rubber based polymer blends: Thermal and Mechanical properties; and morphologies."	
25.02.2014	Dr. Tamilselvan, Institute of Chemistry, Division of Surface and Interface Science, University of Graz, Austria	"Advanced polysaccharides Composites"	

06.07.2012

Sweden

22.02.2014 Dr. Arup Chandra, Apollo tyres Tyre Engineering Dr. Suresh. G. Adwani, Multi-scale Modeling and 28.01.2014 Associate Director, Center for Composite Simulation of Composite Materials, University of Delaware, USA, Manufacturing Processes" G S Murthy (GM, Forevision 21.01.2014 Talk on AFM Instruments, Hyderabad) Mr. Shyam Panamoottil, "Multiscale modelling to predict Centre for Advanced Composite the failure behaviour of flax-fibre 27.12.2013 Materials (CACM), Auckland, New composites from fibre, matrix and interface properties" Zealand "Dispersion of nanoparticles in 01.08.2013 Dr.Nguyen Van Son solution" "Rheology and its applications" 25.06.2013 A K Sinh, Anton Paar, India Prof. (Dr) C M. Narayan, **Profssor of Chemical** "Biodiesel Synthesis from Micro-22.06.2013 Engineering, National Institute of Algae oil" Technology, Durgapur, India Dr. Shams Khwaja, "Discovering a Road Map for Adjunct Professor of Law, Constitutional Nanotechnology law and 20.06.2013 Regulation for India" Law Lab, USA "NMR of Carbon Skeleton" Dr. Ramesh 17.06.2013 "Irreversible aggregation of patchy colloidal particles: 19.06.2013 Dr.Achutha Prabhu A computer simulation study" "Asymmetric Catalyzed Reactions Dr. Rajan Babu of Alkenes and Small Ring 18.05.2013

45. List the teaching methods adopted by the faculty for different programmes.

(The Ohio State University U S A)

Dr. Aji P Mathew, Division of wood and

Bionanocomposites, Lulea university,

Flipped classroom lectures, online class room, Lecture, discussion, demonstration, simulation, industrial visit and seminars.

Compounds"

Bionanocomposites

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The department conducts exams consisting of two internal and an external every semester which is carefully evaluated by the teachers. Moreover surprise quizzes and viva voce based on their laboratory experiments are also conducted.

47. Highlight the participation of students and faculty in extension activities.



- Prof Sabu Thomas has delivered a series of lectures on green farming catering to the need of nanotechnology for enhancing crop productivity. The lectures were organised specifically for the farmers in Kaduthuruthi Village, Kottayam district.
- Another lecture series on plastic waste recycling was organised for creating awareness
 of plastic waste disposal and reuse of plastic materials for other day to day
 applications, Kaduthuruthi Village, Kottayam district
- Prof Thomas has given special lectures to school students at Kendriya Vidyalaya Kottayam so as to make the students understand about the basics of nanotechnology.
- Prof Nandakumar has also proactively delivered lectures on Nanotechnology and Nanoscience for various schools in Kottyam district and Thrissure District
- Visited old age home and orphanage at Kottayam

48. Give details of "beyond syllabus scholarly activities" of the department.

- 1. Conducted a competition for college students on paper presentation.
- Professor Sabu Thomas, Dr. Nandakumar Kalarikkal, faculties of International and Inter University Centre for Nanoscience and Nanotechnology had conducted many lectures in colleges and schools in India as a part of promoting Nanoscience and Nanotechnology.
- 3. Conducted student outreach programme at KE School Mannanam for promoting research in Science.
- 4. Centre regularly conducting workshops, National and International Conferences
- 5. Erudite lectures and talks by visitors are also beyond syllabus scholarly activities of centre
- 6. We are offering MOOC programs for the college students

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.: No

- **50.** Briefly highlight the contributions of the department in generating new knowledge, basic or applied: The centre is conducting high level advance research in the following areas
 - Polymer nanocomposites for water purification
 - Polymer blends and composites
 - Polymeric nanocomposites for electronic application such as sensing, EMI shielding, etc
 - Elastomeric nanocomposites for neutron shielding application
 - Polymeric nanocomposites for packaging application
 - Nanostructured polymer blends and composites
 - Biopolymeric material for wound healing application



- Polymer Quantum Dot for cell imaging application
- Synthesis and characterization of polysaccharides and various technological application
- Photovoltaic solar cell

All these studies lead to large number of international refereed journal articles and patents. Some of our research lead to the development of devices. The high impact publication, patent and products are the best examples for our contribution towards knowledge production both basic and applied. The Centre also collaborate with MRF Tyre, Apollo Tyre, Surface Treat, Czech Republic and General Cables, USA to commercialise our research findings

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- Multidisciplinary subjects and faculty.
- Students from multidisciplinary subjects.
- Sophisticated instrument facility
- Strong teacher pupil relationships and Community extension activities.
- High impact publications and International collaborations

Weakness:

- Deficiency in Permanent Faculty. Right now Centre is running by faculty from physics, chemistry and post.doc. Request has been made to the university and Govt. of Kerala for the permanent faculty.
- Lack of enough space. Right now centre is running at the premises of School of Pure and Applied Physics (SPAP) and School of Chemical Sciences (SCS). A permanent building (Convergence Academia Complex) is under construction and is expected to complete within one year

Opportunities:

- There are enormous opportunities for the students to specialize in the areas of Nanoscience and Nanotechnology (Nano medicine, Nanocomposites, Nanoscience for Environment, Nano-catalysts, Nano-scaffold etc.)
- Students of the Centre have numerous opportunities for doing Ph.D and Post Doc. studies abroad
- Excellent opportunities for international networking and collaborations

Challenges

- Dual Ph.D and dual master degree programme with universities abroad.
- International ranking of the centre.
- Full time international students for master and Ph.D programme.
- Elevation of the Centre into a full-fledged school having five different division



- o Division on Nanomaterials and Hybrid Composites
- o Division on Nano for Energy
- o Division on Nano Food Security
- o Division on Nano for Health and Medicine
- o Division on Nano for Environment
- o Division on Ethical and Toxicity aspects of Nanoscience and Nanotechnology

52. Future plans of the department:

- Fabrication of large number of nano devices in collaboration with industries.
- Start-up of Incubation centre.
- Large scale consultancy activities for nanoscience and nanotechnology.

ADVANCED CENTRE OF ENVIRONMENTAL STUDIES AND SUSTAINABLE DEVELOPMENT (ACESSD)

1.	Name of the Centre	:	Advanced Centre of Environmental Studies and Sustainable Development (ACESSD)		
2.	Year of establishment	:	2009		
3.	Is the Department part of a School/Faculty of the university?	:	Yes, Faculty of Environmental and Atmospheric Sciences & Faculty of Science		
4.	Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)	:	Ph. D Programme		
5.	Interdisciplinary programmes and departments involved	:	Interdisciplinary Scientific Research including Chemistry, Environmental Science, Forestry, Human Ecology, Social Sciences and Life Sciences.		
6.	Courses in collaboration with other universities, industries, foreign institutions, etc.	:	Nil		
7.	Details of programmes discontinued, if any, with reasons	:	Nil		
8.	Examination System	:	N.A		
9.	Participation of the department in the courses offered by other departments:	:	 Teaching MSc, MPhil and Ph.D programmes in School of Environmental Sciences Teaching MPhil Human Ecology & Natural History in School of Social Sciences 		
10.	Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)	:	The Centre is functioning with an Honorary Director and two Research Coordinators.		



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experi- ence	No. of Ph.D./ M.Phil. students guided for the last 6 years
Prof. A. P. Thomas	Ph.D	Hon. Director	Environmental Science, Life Sciences	45	7 Ph.D awarded, 9 Ph.D students working and 7 M.Phil completed
Dr. K.Usha	Ph.D	Research Coordinator (Science)	Environmental Chemistry, Analytical Chemistry	18	2 Ph.D awarded and 8 students working, 3 M.Phil completed
Dr. G. Christopher	Ph. D	Research Coordinator (social Sciences)	Human Ecology, Ethnobiology	18	2 M.Phil completed 5 Ph.D students working

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

SL. No	Visiting Fellows, adjunct faculty, emeritus professors	Specialization
1.	Prof. Yoram Oran, Department of Desalination and Water Treatment, Zuckerberg Institute for Water Research, Blaustein Institutes for Desert research, Ben-Gurion University of the Negev, Israel	Membrane filtration, water treatment, ion exchange, electrochemical treatment
2.	Prof. Mark Weisner, Centre for Environmental Implication of Nanotechnology, Duke University, Durham	Membranes, fuel cell, nanotechnology, nanoparticles in water
3.	Prof. Len Reitsman, Plymouth State University, New Hampshire, USA	Conservation Biology, Avian Ecology
4.	Dr. Mark Green, Plymouth State University, New Hampshire, USA	Watershed management and Forestry
5.	Dr. Sally Nhomy, Honalulu, Hawaii, USA	Tribal Education, Child welfare
6.	Prof. Vladimir Teplyakov, Russian Academy of Sciences, Russia	Membranes, energy, gas separation



7.	Dr. Whitney, Plymouth State University, USA	Medieval History
8.	M.R. Hoffman, California Institute of Technology, USA	Advanced oxidation process, sanitation, free radical chemistry
9.	G.M. Anilkumar, Noritake Company Ltd, Japan	Membranes, energy, fuel cell
10.	Dr. J. M. Julka, Former Principal Scientist, Zoological Survey of India	Earthworm Taxonomy and Biodiversity
11.	Dr. Sulthan Ahmed Ismail, Ecoscience Research Foundation, Chennai	Environmental Conservation, Vermi culture and Earthworms
12.	Dr. K.V. Lazar, Department of Environmental Science, Central University of Kerala	Biotechnology, Genomics
13.	Dr. Anand Krishnan Plapally, Dept. of Mechanical Engineering, IIT, Jodhpur.	Water treatment, Indigenous technology
14.	Dr. A. A. Mohamed Hatha, Cochin University of Science and Technology, Cochin	Microbiology
15.	Dr. Anitha Pius, Dept. of Chemistry, Gandhi Gram Rural Institute, Deemed University, Tamil Nadu.	Membranes, water, sanitation
16.	Dr. Pushpito Ghosh, Director CSMCRI, Gujarat	Membrane processes, RO and NF, Water treatment, Solar energy
17.	Dr E. J. James, Director, Water Institute, Karunya University, Coimbatore, Tamil Nadu	Water, Watershed management, Rivers and Wetlands
18.	Dr. Sabu Joseph, University of Kerala, Trivandrum	Environmental Science
19.	Babu Alappat, IIT Delhi, India	Waste management
20.	Dr. Girish Kumar, Cochin university of Science and Technology, Cochin	Sensors, photochemistry
21.	Dr. A.P. Pradeepkumar, University of Kerala, Trivandrum	Geoscience, Disaster management
22.	Dr. C.T. Aravindakumar, School of Environmental Sciences, M.G. University	Advanced oxidation process, mass spectrometry, water chemistry and air
23.	Dr. E.V. Ramasamy, School of Environmental Sciences, M.G. University	Environmental Biotechnology, Waste Management
24.	Dr. Mahesh Mohan, School of Environmental Sciences, M.G. University	Environmental Science, Pollution studies
25.	Dr. Sylas V.P., School of Environmental Sciences, M.G. University	Environmental Science, Biofuels, Wetland studies



- **13.** Percentage of classes taken by temporary faculty programme-wise information: Not Applicable
- 14. Programme-wise Student Teacher Ratio:

Programme	Student Teacher Ratio
Ph.D	7:1

15. Number of academic support staff (technical) and administrative staff (sanctioned, filled and actual):

	Sanctioned	Filled and actual
Technical	1	1
Administrative Staff	1	1

- 16. Research thrust areas as recognized by major funding agencies
 - Climate Change Studies
 - Green Chemistry and Technology
 - Pollution Studies and Management
 - Earthworm Studies
 - Human Ecology and Conservation
 - Biodiversity and Natural History
 - Sustainable Development
- 17. Number of faculty with ongoing projects from a) national b) international funding Agencies and c) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise:

a) National

Sl. No.	Funding Agencies	Project title	Total Fund in Lakhs(₹)
1.	KSCSTE, Govt. of Kerala	Polyelectrolyte multilayer membrane for the treatment of paper mill effluent	26.00
2.	DST	Nano skinned coir matrix for the removal of biological contaminants from water	31.09

b) International: Nil

c) Total grants received: ₹ 57.09 Lakhs



18. Inter-institutional collaborative projects and associated grants received

a. National collaboration: Nilb. International collaboration:

No.	Collaboration	Project title	Total Fund in Lakhs
1.	Obama-Singh 21 st Centuary Knowledge Initiative programme - between US Universities (Duke University & Plymouth state University) and Mahatma Gandhi University	An interdisciplinary and community oriented innovative approach towards sustainable development	42.00
2.	Network project between Department of Energy Conversion and Storage, Technical University of Denmark (DTU) and Mahatma Gandhi University (MGU) (for five years)	Nanofiber structures for efficient enzyme immobilization in membrane applications	4.26 (For one year)

Total grants received: ₹ 46.26 Lakhs

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

- 20. Research facility / centre with
 - State recognition: Yes
 - National recognition: Yes
 - International recognition: Nil
- 21. Special research laboratories sponsored by / created by industry or corporate Bodies: Nil
- 22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	61
2.	Monographs	0
3.	Conference Proceedings (international/national)	196
4.	Chapters in Books	3
5.	Edited Books	13
6.	Books authored with ISBN	8
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
9.	Total	281



Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) Nil

Citation Index – range / average : 300-650

Impact Factor – range / average : 1-7 h-index : 6-14

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated:

- 1. Chemical Analysis
- 2. Biodiversity Survey
- 3. Training programme in analytical Instrumentation

Income generated

Sl. No.	Year	Income in Lakhs (₹)
1.	2011 - 2015	₹ 1.20

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Sl. No.	Name of the faculty	Laboratory/ Research area
1	D C A D TI	1. Natural History Museum, London (2012)
1.	Prof. A. P. Thomas	2. Pondicherry Central University (2011)
		3. Bharathiyar University, Coimbatore (2012)
		1. National centre for Antarctic and Ocean Research,
		Goa, 2016
		2. Indian Institute of Technology, Delhi, 2013
		3. Thaper University, Punjab, 2013
		4. Karunya University, Tamilnadu, 2012
2.	Dr. K. Usha	5. University of Paris (S) / AOP, 2012
		6. University of Rouen, Membrane Technology,
		France, 2012
		7. Thonburi, Thailand, .2012 / Water purification
		8. University of Copenhagen 2015 / Mass
		spectrometry
		1. Natural History Museum, University of California
		at Santa Barbara (2015)
		2. Hubbard Brook Experimental Forest Outdoor
	Dr. G. Christopher	Laboratory, New Hampshire (2015)
3.		3. Department of Engineering and Innovation, Brown
		University, Rhode Island (2015)
		4. Centre for Cellular and Molecular Biology,
		Hyderabad (2025)
		5. National Institute of Animal Welfare (2016)



26. Faculty serving in

a. National committees

Sl. No.	Name of the faculty	Committee
		Member, Expert Committee, Association
	Prof. A. P. Thomas	of Indian Universities (2011)
1.	1 Tot. A. I . Thomas	Chairman, Indian Leadership Team,
		'Rainwater for Humanity' (International
		Collaborative Programme)
2	Dr. K. Usha	Member: Indian membrane Society (Life
2	DI. K. Usha	Member)
		Govt. of India Nominee in the
2	Dr. G. Christopher	Committee for the Purpose of Control
3		and Supervision of Experiment on
		Animals (CPCSEA)

b. International committees

Sl. No.	Name of the faculty	Committee
1	Prof. A. P. Thomas	Member, Bat Conservation International
2	Dr. K. Usha	Nil
3	Dr. G. Christopher	Nil

c. Editorial Boards

Sl. No.	Name of the faculty	Journal
1	Prof. A. P. Thomas	 Member, Editorial Board, Journal of the Zoological Society of Kerala Managing Editor, 'Bulbul' (an environmental bimonthly) Member, Editorial Board, 'Tree India' (An Environment Journal) Editor of 4 books published by ACESSD, M.G. University. General Editor of 13 books (Eco book series) published by the Tropical Institute of Ecological Sciences (TIES).
2.	Dr. K. Usha	Reviewer in: • Journal of Membrane Science • Colloids & Surfaces A., • J. Biomaterial Science • Langmuir • Biosensor Bioelectronics
3.	Dr. G. Christopher	Nil



d. Any other

Sl. No.	Name of the faculty	Committee
		• Expert member, District Environmental Impact Assessment Authority
		Member, Kerala State Pollution Control Board
		Member, Planning Board, Pondicherry Central University
		Member, Academic council, Pondicherry Central University
		Member, Environment Commission of KCC
		 Member, Director Board, Leptospirosis Institute of Kerala
1	Prof. A. P. Thomas	 Patron and Member of Director Board, Tropical Institute of Ecological Sciences
		• Chief, Employment Information and Guidance Bureau, M. G. University
		Member, Expert Committee, Association of Indian Universities
		Member, Academic Council, CMS College Kottayam (Autonomous)
		• Member, PG Board of Studies, Calicut, Kerala, Cochin, Bharathiyar Universities
		• Member, Committee for revamping the research sector in universities of Kerala.
2	Dr. K. Usha	Member, Technical Committee, Suchithwa Mission, Government of Kerala
		Member, International Ethnobiological Society
		Member, Board of studies for Forestry, Kannur University
3	Dr. G. Christopher	Member, IBCN – Indian Bird Conservation Network
		Expert Member, Madras Naturalists Society
		Life Member, Malabar Natural History Society

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs)

Nil



28. Student projects:

•	percentage of students who have done in-house projects including interdepartmental projects:	Not applicable
•	percentage of students doing projects in collaboration with other universities / industry / institute:	Not applicable

A number of students from colleges within and outside Kerala and from different departments in the university campus have done short term projects using the advanced facilities in ACESSD. The list is given below:

SL. No.	Name	Course	Institution	Title of the Project	Year
1.	Renuka R.	M.Phil	School of environmental Sciences, M. G. University	The role of earthworms in soil carbon dynamics under a microcosm study	2012
2.	Anand Raj	M.Phil	IITMK Thiruvanthapuram Vegetation carbon poolassessment of tree outside forest in Kottayam district, Kerala, India.		2011
3.	Ashalakshmi C N	M.Phil	School of environmental Sciences, M. G. University	A study on the stress effect of organophosphorus pesticide, ethion on earthworm <i>Perionix</i> excavatus: a molecular approach	2014
4.	Sethulakshmi Bhai	M.Phil	School of environmental Sciences, M. G. University	Studies on the antibacterial and antifungal potentialities of local earthworms	2013
5.	Soumya Lakshmi P.S	M.Sc.	School of environmental Sciences, M. G. University	A study on the role of two earthworm species, Perionix ceylanensis and Pontoscolex corethrusus on the decomposition of rubber leaf litter	2014
6.	Athira S. Kumar	M.Sc.	School of environmental Sciences, M. G. University	A study on the role of two earthworm species, <i>P. corethrusus</i> and <i>M. konkanensis</i> on soil fertility	2014
7.	Feba Merin	M.Sc.	School of	Soil carbon dynamics of	2013



	Chacko		environmental Sciences, M. G. University	multiple landuse categories	
8.	Jeeva M. Philip, Pravya Jayaraj C.V. and Thafna K.K	M.Sc.	School of environmental Sciences, M. G. University	Household Consumption Pattern of Selected Resources in Ernakulam and Kannur districts – A Comparative Assessment	2012
9.	Sruthy S, Thafna K.K, Pravya Jayaraj C.V.	M.Sc.	School of environmental Sciences, M. G. University	Household consumption of water: a study conducted in selected areas in Kerala	2012
10.	Mary Jency	M.Sc.	School of environmental Sciences, M. G. University	Household Consumption Pattern of Selected Resources in Ernakulum and Kottayam districts - A Comparative Assessment	2013
11.	Charusree C.S, Ambily V	M.Sc.	School of environmental Sciences, M. G. University	Status of plantation crops in India and Kerala: Production and consumption	2012
12.	Febby Payva, Raisa Kabeer	M.Sc.	School of environmental Sciences, M. G. University	Food consumption pattern in India and Kerala – A comparative assessment	2012
13.	Renuka R, Neethu Joy	M.Sc.	School of environmental Sciences, M. G. University	Electrical energy consumption in India and in Kerala - A sustainability assessment	2012
14.	John Richard Thomas, Prveen	M.Sc.	School of environmental Sciences, M. G. University	Rural household consumption pattern in Pathanamthitta and Alapuzha districts – A Comparative Assessment	2012
15.	Mary Lidiya Mathew	M.Sc.	School of environmental Sciences, M. G. University	An Investigation on the Removal of Reactive Dyes using Polysaccharide Based Membranes	2013
16.	Athullya M. K.	M.Sc.	School of environmental Sciences, M. G. University	Investigation of food additives in soft drinks	2014
17.	Bijon	M.Sc	School of environmental Sciences, M. G. University	Analysis of the Possible Presence of Endocrine Disrupting Chemicals from Packaged Beverages	2014

18.	Anjali Venukumar	M.Sc	School of environmental Sciences, M. G. University	An Assessment on Feasibility of Toilet Linked Biogas System as a Zero Septage Approach	2014
19.	Group Project	B.Tech	SCMS School of Engineering and Technology, Karukutty	Development of composite membranes based on different polyelectrolytes, their post treatment morphological changes	2014
20.	Karthika Bose	M.Tech Civil Engineering	SCMS School of Engineering and Technology, Karukutty	Development of polyelectrolyte membrane as proton exchange membrane for fuel cell application	2015
21.	Irene Anna	M.Tech Civil Engineering	SCMS School of Engineering and Technology, Karukutty	Enhancement of membrane property for the removal of reactive dyes from textile effluent	2015
22.	Nigitha Jacob	M.Phil	St. Joseph's College, Trichy	Development of heterogeneous multilayers on PVDF membranes	2015
23.	Revathi	M.Sc	Baselius College, Kottayam	Multi spectroscopic study of human serum albumin with tuberculosis drug para amino salicylic acid and its n-acetyl metabolite	2015
24.	Sreelakshmi	M.Sc	Baselius College, Kottayam	Wettability of PEI/PSS multilayer coated hydrophobic PVDF membranes	2015
25.	Ashalakshmi C. N.	M.Phil.	School of environmental Sciences, M. G. University	A study on the toxic effects of ethion, an organophosphorous pesticide on earthworm Perionyx ceylanensis Michaelson 1903: An analytical approach	2015
26.	Anjali Venugopal	M.Phil.	School of environmental Sciences, M. G. University	Assessment on Viral Outbreaks, Dengue and Chikungunya in Kottayam District for the Past Four Years and their Environmental Causes	2016
27.	Athullya M. K.	M.Phil.	School of environmental Sciences, M. G.	Grey Water Production, Occurance of Micropollutants and its	2016



			University	Removal using Multilayer Membranes	
28.	Ann Mary Antony	M.Sc	St. Stephen's College, Pathanapuram Preliminary studies on calcium mineralization using nanostructured multilayer's		2016
29.	Akshaya Jose	M.Sc	Surface coated St. Stephen's microfilteration College, membrane in the removal of modern emerging contaminants from water		2016
30.	Aneesh Danam	M.Sc	St. Stephen's College, Pathanapuram	UPLC-Q-ToF/MS Analysis of Sediment Samples of a Selected Backwater Canal of Kottayam District for the Possible Presence of Weedicides and its Metabolites.	2016
31.	Ajay S	M.Sc	St. Stephen's College, Pathanapuram	Sonochemical degradation of Beta Blockers, proponolol; A model Compound in Aqueous Medium	2016

29. Awards / recognitions received at the national and international level by

• Faculty

Nil

• Doctoral / post doctoral fellows:

Doctoral Fellow	Details				
Jisha C	Best paper in the International conference on Nano -biomaterials, Kottayam, 2014.				
	Young scientist award, in the 26 th Kerala Science congress. 2014				
G. Akhil	Best paper award in the 5 th Asian Conference on Colloid and Interface Science, University of North Bengal, Darjeeling. 2013				
	Best paper award in the International Conference on Water: from pollution to purification, Kottayam, Kerala, Jan. 23-26, 2015.				
	Best poster award in the National symposium on radiation and photochemistry, NSRP-2013, Shillong, March 20-22, 2013				
Sijumon V.A	Best poster award in the National seminar on sustainable development: recent trends in meeting the challenges, NSSD-2012, Kottayam, 2012				
	Best poster award in the National seminar on green chemistry-The ultimate tool for pollution control, Kottayam, 2012.				



30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any

Year	Seminars/ Conferences/Workshops	Source of funding	outstanding participants
1.	International Conference on Advanced Oxidation Process in collaboration with Centre for Environment Education and Technology (CEET), (AOP-2010)- September 18-21, 2010, Kottayam	MoEF, BRNS, CSIR	 M.R. Hoffmann, California Institute of Technology, USA Ramaiah D, NIIST, Kerala Belloni J, University Paris South, France
2.	National Conference on Native Livestock breeds and their sustainable uses in collaboration with Vechoor Conservation Trust and National Biodiversity Authority, September 27-28, 2010, Kottayam)	Vechur Conservation Trust, Kerala	 Dr. Sosamma Iype, Kerala Agricultural University Dr. Azim Bhattobyal, Joint Commissioner, Department of Animal Husbandry, Dairying & Fisheries Pramod G. Krishnan, IFS, UNDP
3.	International conference on membranes: Environmental and biological applications-(ICM- 2011) September 16-19, 2011, Kottayam	CSIR, DST, BRNS	 Ashok M. Raichur, Indian Institute of Science, Bagalore F. Thominette ENSAM, Paris G. Pugazhenthi, IITG, Guwohati, India
4.	Workshops on Science and Traditional Practices Marma Vaidya (April 30th and May 1st, 2011)	IUCSSRE (Inter University Centre for Social Science Research and Extension	 Dr. P.K. Sasidharan, Sreesankara University, Kalady Dr. Prakasan Gurukkal, Athmaraksha Kalari gurukulam, Kollam Dr. Sanal Mohan, IUCSSRE, M.G. University Dr. Amruth M., Scientist, KFRI.
5.	Workshops on Science and Traditional Practices b) Shelters- the relevance of Vastu (May 16, 2011) School of Environmental Sciences, Mahatma Gandhi	ACESSD	 Dr. P.V. Ouseph, department of Vastu Vidhya, Sreesankara university, Kalady Sri. R.V. Achari,



	University, Kottayam, Kerala.		Fellow, Indian Institute of Structural Engineers, Bangalore • Dr. G. Gopikuttan, Chairman, Working grup on Housing for 11 th five year plan • Prof. Kesavan Veluthat, Former Professor, Delhi University.
6.	National conference on Disaster risk and vulnerability, School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, 2011	National Disaster management Authority, MoES, DST	 Dr. T.V. Ramachandra, IISC Bangalore, Bhattacharya R, Atomic Energy Regulatory Board, Mumbai Ansari j, NIIST, Trivandrum
7.	Second International conference on Advanced Oxidation Process, October 5-8, 2012, Kottayam.	Board of Research in Nuclear Science (BRNS) ISRO, CSIR	 W. Choi, Pohang University of Science and Technology, South Korea D. Bahnemann, Leibniz University of Hannover, Germany S.K. Sarkar, BARC, Mubai
8.	National Conference on Conservation and Management Of Wetland Ecosystems, In Association with SES, MGU, Kottayam, November 6-9, 2012.	CSIR, MoES, MoEF, DoECC, KSCSTE	 Dr. T.V. Ramachandra, IISC Bangalore, Dr. V.S Vijayan, Former Director SACON Dr. S. Narendraprasad, International Institute of Information Technology, Hydrabad
9.	National seminar on sustainable development – recent trends in meeting the challenges, School of	Directorate of Environment and Climate Change,	• Dr. T.V. Ramachandra, IISC Bangalore,

	Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, January 20-21, 2012, Kottayam.	Govern of Kerala	 Dr. Sultan Ahmed Ismail, Ecoscience Research Foundation, Chennai Dr. R. Ajaykumar Varma, Scientist, NCESS, Trivandrum
10	International conference on membranes (ICM-2013), October 3-6, 2013, Kottayam.	CSIR, DRDO, BARC	 Mark R. Weisner, Duke University, USA Quang Trong nguyen CNRS-Rouen University, France Takeo Yamaguchi, Tokyo Institute of Technology, Japan
11	Seminar on Conservation of Western Ghats, School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, 16th December 2013.	ACESSD	 Dr. V.S. Vijayan, Former Director, SACON Prof. Jose J. Ozhukayil, Nirmala college, Muvattupuzha Dr. A.V. George, Former V.C., M.G. University
12	Third International Conference on Advanced Oxidation Processes (AOP 2014) Sept. 25-28, 2014, Munnar, Kerala.	DoECC, CSIR, DST	 J.P. Mittal, BARC, Mumbai L. Gomathi Devi, Bangalore University, Bangalore Minjoong Yoon, Chungnam National University, Korea
13	International Conference on Water: from pollution to purification (ICW - 2015) Jan. 23- 26, 2015, Kottayam, Kerala	Defense and Development Organization (DRDO), Board of Research in Nuclear Science (BRNS)	 Dipankar Chakraborti, Jadavpur University, Kolkata, India Dayanthi Nugegoda, RMIT University, Australia Olfa Mahjoub, National Research Institute for Rural Engineering, Water and Forestry, Tunisia



14	National workshop on applications of membranes in energy and water purification (NWM2015) Aug. 20-21, 2015	Toshniwal, India Defense and Development Organization (DRDO)	 Andreas Kaiser, Technical university of Denmark, Denmark Jacelyn Rice, Duke University, USA
15	International Conference on Membranes (ICM - 2015) Aug. 21-24, 2013, Kochi, Kerala	Anton Paar, India Toshniwal, India Defense and Development Organization (DRDO)	 Vladimir Teplyakov, Russian Academy of Science, Russia Gianni Golemme, University of Calabria, Italy Balagopal Nair, Noritakeco, Ltd, Aichi, Japan
16	National Workshop on Mass Spectrometry and Raman Microscopy, March 27-28, 2015, Kottayam	Thermofisher Scientific Waters India	 S. Prabhakar, IICT, Hyderabad Hitesh Mamgain, Toshniwal Pvt Ltd, Bangalore
17	International Conference on Mass Spectrometry, December, 11-14, 2015, Kottayam	DRDO, DST-SERB, KSCST, Thermofischer	 Michael W. Linscheid, Humboldt University, Berlin, Germany Laurent Debrauwer, University of Toulose, France Venkateswarlu Panchagnula, NCL
18	National Workshop on Mass Spectrometry, December 10-11, 2015, Kottayam	Thermo Fisher Scientific, Indian Space Research Organisation (ISRO)	 Mahesh J. Kulkarni, National Chemical Laboratory, Pune V. Nadaraju, Baba Atomic Research Centre, Mumbai.
19	International Conference on Water: from pollution to purification (ICW - 2016) Dec. 12-15, 2016, Kottayam, Kerala	Kerala State Council for Science, Technology and Environment (KSCSTE), Defense and Development Organization (DRDO), Board of Research in Nuclear Science (BRNS)	 Jacob de Boer, Professor VU University, The Netherlands, S. Vigneswaran, University of Technology, Sydney, Australia G.G Pandit, BARC, Mumbai, India



31. Code of ethics for research followed by the departments:

- Plagiarism will be assessed before thesis submission and submission of research papers for publication.
- The guidelines of the ethical committee of the University are being strictly followed (e.g. Animal Ethical Committee for all kind of research related to living organisms)

32. Student profile programme-wise:

Name of the Programme			Selected		Pass percentage	
(refer question no. 4)	received	Male	Female	Male	Female	
Ph.D	Direct entry after clearing JRF, M.Phil and other qualifying examinations	16	15	37%	20%	

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Ph.D	40	60	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Sl.No.	Name of Student	Test Qualified	Specify (State/National/International)
1.	Dr. Disha V.J	CSIR- JRF	National
2.	Akhil G	CSIR- NET, GATE	National
3.	Subha Sasi	KSCSTE	State
4.	Manjumol Mathew	CSIR- JRF	National
5.	Shalumon C.S	UGC- NET	National
6.	Mary Lidiya Mathew	KSCSTE	State
7.	Elvin Thomas	CSIR- JRF	National

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	Nil
Employed	
Campus selection	100%
Other than campus recruitment	
Entrepreneurs	



36. Diversity of staff

Percentage of faculty who are graduates			
of the same university			
from other universities within the State	67%		
from universities from other States	33%		
from universities outside the country	Nil		

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library	393 Books
b) Internet facilities for staff and students	Available for staff and students
c) Total number of class rooms	1
d) Class rooms with ICT facility	Yes
e) Students' laboratories	Nil
f) Research laboratories	 Analytical Lab Biodiversity Lab Ecology and Climate change Lab Molecular biology Lab

List of major equipments

- 1. Field Spec Had Held Spectroradiometer
- 2. Ion Chromatograph
- 3. Peristaltic Pump
- 4. Total Organic Carbon Analyzer
- 5. GPS GPSMAP76CSX
- 6. GPS eTrex 30
- 7. GPS eTrex 20
- 8. Canon EOS 7D DSLR
- 9. Binocular stereo Microscope
- 10. Membrane filtration Unit dead end
- 11. Membrane filtration unit Cross flow

- 12. Chilled Water Circulator
- 13. Trinocular Stereo Zoom Microscope
- 14. Vacuum Oven
- 15. Impedance analyzer
- 16. Microbalance
- 17. COD Meter
- 18. Nikon Trinocular Stereo Zoom Microscope with Digital Camera and Drawing Tube
- 19. Automated Soil Respiration System and Accessories
- 20. Invitrogen VERITI 96W Thermal Cycler Gradient PCR



21. Elcometer 4340 Motorised Film Applicator

22. Cooling Centrifuge

23. Gel electrophoresis system 24. CO₂ incubator

39. List of doctoral, post-doctoral students and Research Associates

Name of Guide	Name of Scholar	Subject/ Specialization
(with contact no.)		
	Disha V.J (Ph.D Awarded)	Chemistry
	Divyalakhmi T.V (Ph.D Awarded)	Chemistry
	Nikhil Chandra P.	Chemistry
	Akhil G	Chemistry
Dr. K. Usha	Subha Sasi	Environmental Science
	Manjumol Mathew	Chemistry
	Misha T. Elias	Chemistry
	Shalumon C.S	Environmental Science
	Dr. Sathish Kumar	Environmental Science
		(Rheumatology)
	Lidiya Mary M.	Environmental Science
	Veena George M	Environmental Science
Du C Chaistanhan	Banazair O.A	Environmental Science
Dr. G Christopher	Binu N. Kamalolbhavan	Forestry
	Malik Fasil M	Forestry(wildlife science)
	Aneesh K.S.	Forestry
	Prasanth Narayanan (Ph.D	Environmental Science
	Awarded)	
	Koshy P.M (Ph.D Awarded)	Environmental Science
	Sukumaran T.C. (Ph.D Awarded)	Environmental Science
	Johnykutty J. Ozhukayil (Ph.D Awarded)	Environmental Science
	Sreekanth N.P. (Ph.D Awarded)	Environmental Science
	Shanthi prabha V. (Ph.D Awarded)	Environmental Science
	Sreedharan K. (Ph.D Awarded)	Environmental Science
Prof. A.P. Thomas	Babu Padmakumar	Environmental Science
	Jojo Joseph Vellanikaran	Environmental Science
	Vijo Thomas Kurian	Environmental Science
	Poornima Baby	Environmental Science
	Sethulakshmi Bhai K.C.	Environmental Science
	Deepthi S	Environmental Science
	Cinnie Susan Antony	Environmental Science
	Anuja R.	Environmental Science
	Elvin Thomas	Environmental Science
	Dr. Harsha H.T.	Environmental Science
	(Post Doctoral Fellow)	

40. Number of post graduate students getting financial assistance from the university:

Nil



41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes. The faculty council carried out a series of discussions and consulted external experts to initiate the various research divisions of the Centre

42. Does the department obtain feedback from

a) Faculty on curriculum as well as	teaching-learning- Not applicable	
evaluation? If yes, how does the o	department utilize	
the feedback?		
b) Students on staff, curriculum and	teaching-learning- Regular feedbacks obtained	
evaluation and how does the depa	artment utilize the from Ph.D scholars helped f	ine
feedback?	turning the programme	
c) Alumni and employers on the pro	ogrammes offered Alumni extend support for t	he
and how does the department util	ize the feedback? running activities of the Cer	itre

43. List the distinguished alumni of the department (maximum 10):

S.No	Name	Current Position		
1.	Dr, T.U. Sukumaran	Prof. of pediatrics, Pushpagiri Medical College,		
1.	Di, 1.0. Sukumaran	Thiruvalla.		
2.	Dr. Johntkutty J.	Head of the Department of Physics, MES College,		
۷.	Ozhukayil	Nedumkadam		
3.	Dr. Koshy P.M	Associate Professor, St Stephens College,		
3.	DI. ROSHY F.WI	Pathanapuram		
4.	Dr. Shijo Joseph	Scientist, Kerala Forest Research Institute, Thrissur		
_	D D:1 111	Assistant Professor, Henry Baker College Melukavu,		
5.	Dr. Disha U J	Kerala, India		

44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving external experts:

There are periodic workshops and training programmes organized by the Centre. Special lectures of many visiting scholars from India and abroad were organized. Students are also encouraged to attend special lectures organized in other departments and schools.

Student enrichment programmes	Number of programmes
Special lectures (Erudite, national and international talk)	15
Workshops	14
Seminar	12

45. List the teaching methods adopted by the faculty for different programmes:

- Field work in Ph.D programmes
- Operational demonstrations for instrumentation training



46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

There are two mandates for the Centre (1) Interdisciplinery Research (2) Societal applicability in sustainable manner. Faculty council regularly monitors and assesses the progress of the Centre. In addition, an Executive Committee and an Academic Committee have been constituted by the University which oversee the functioning of the Centre.

47. Highlight the participation of students and faculty in extension activities.

- Consultancy service in chemical analysis.
- Voluntary participation in biodiversity surveys and bird studies organized by various conservation groups and State Forest Department.

48. Give details of "beyond syllabus scholarly activities" of the department.

- A series of workshops on 'Science and Traditonal Knowledge' with community participation
- Short term training programmes for researchers, faculty members and students from within and outside the university.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- The biodiversity group of the Centre has identified and reported new species of earthworms from different habitat types across Kerala.
- Developed sustainable green technology solutions like membrane technology for water purification
- Generated new information on the impact of landuse changes in climate change
- Furnished new information on the impact of pesticides in Cardamom plantations
- Brought out the environmental status of selected tribal communities in Idukki District
- Contributed to the ecology of avifauna in Vembanad Wetlands
- Application of biochar in paddy cultivation and climate change management
- Provided information on the environmental predisposing factors of bronchial asthma

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strength:

1. The Advanced Centre of Environmental Studies and Sustainable Development (ACESSD) stands for interdisciplinary research which involves generation and integration of knowledge aiming at evolving sustainable development strategies.



- 2. ACESSD is envisaged as a Centre where all branches of Science, Social Science as well as Humanities converge.
- 3. Presence of adjunct faculty members from various disciplines to support the research activities of the centre.
- 4. Healthy work culture and maintenance of good relationship between faculty, researchers and administrative staff.
- 5. ACESSD has seven research divisions where interdisciplinary research programmes are carried out. It runs Ph.D. programme and at present there are 22 research students.

Weakness:

- 1. Lack of adequate research staff.
- 2. Insufficient number of research supervisors.
- 3. Constraints for transferring research funds from funding agencies as there are no permanent faculty in the Centre.
- 4. Many research scholars are not supported by proper fellowships.
- 5. Lack of adequate space, expert technicians to operate sophisticated instruments, sufficient provision for capacity building and advanced training for the staff

Opportunities:

- 1. As the centre envisages interdisciplinary /multidisciplinary studies there is ample provision for interactions, collaborations and linkages with various institutions within India and abroad.
- 2. Students from other disciplines can be attracted for studies in interdisciplinary dimension, an emerging trend all over the world.
- 3. Opportunities to provide extension services in the local and regional levels.
- 4. Establishing provision for better student placements and furthering of research activities with the linkages already established.
- 5. Potentiality for collaborating with society oriented sustainable activities of local bodies and government.

Challenges:

- 1. Generation of better output with the available resource and facilities.
- 2. Implementation of the norms in the Government regulations for enriching the research activities to generate the envisaged output (*Scientist in the tenure track mode, Ph.D guideship, streamlining the transfer of Govt. funds to the University etc.*)
- 3. Lack of sufficient space, infrastructure and research staff.
- 4. Need for additional facilities for research in frontier areas.
- 5. Utilizing effective linkages with industries.
- 6. Strengthening capacity building programme of the faculty and research groups.



52. Future plans of the department.

1. Proposed Projects

- Polyelectrolyte multilayer membranes for the treatment of paper and pulp industry waste water.
- Innovative Nano filtration membranes and improved membrane processes for textile dye removal and salt recovery from dye bath waste water.
- A study on the communities, resource use patterns and conservation issues in the cardamom hills of Southern Western Ghats.
- A study on the impacts of agrochemicals including pesticides in the Cardamom Hill Reserves and plantations in Idukki district, Kerala.
- Development of self-assembled multilayer and their application in the removal of low molecular organic compounds.
- Biodiversity status and Human ecological assessment of the proposed High range Biodiversity park at Nedumkandam and adjacent areas.
- Watershed development programme in Mahatma Gandhi University campus.
- 2. Conduct of International / National conferences.
- 3. Strengthening of training programmes.
- 4. Starting research projects under the Post-Doctoral Fellowship scheme.
- 5. Better facilitation of student exchange programmes.



INTER UNIVERSITY CENTRE FOR BIOMEDICAL RESEARCH & SUPER SPECIALTY HOSPITAL

1.	Name of the Department	:	Inter University Centre for Biomedical Research & Super Specialty Hospital
2.	Year of establishment	:	2015
3.	Is the Department part of a School/ Faculty of the University?	:	An independent Institute created as an act of Govt. of Kerala Regulation in 2013, and mentored by MG University
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	Ph.D; No other programme is initiated yet.
5.	Interdisciplinary programmes and departments involved	:	Inter- and Intra-University; Inter-institutional programs with multidisciplinary aspects
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	 Under discussions and negotiation with: (i) AcSIR, New Delhi, for academic affiliation; (ii) EURON a conglomerate of 13 Universities with Head-Quarters in University of Maastricht, The Netherlands, for academic affiliation; (iii) Swinburne University of Technology, Melbourne for academic affiliation; (iv) Center of Excellence in Drug Discovery (National Facility for Drug Discovery & Development), Saurashtra University, Rajkot for drug discovery programs; (v) CSIR-IICB, Jadavpur, Kolkata for codevelopment of a drug molecule. (vi) Bangur Institute of Neurology, Kolkata for collaborative clinical research in the area of neurological disease
7.	Details of programmes discontinued, if any, with reasons	:	NA
8.	Examination System	:	NA

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9.	Participation of the department in the courses offered by other departments	:	NA			
	Number of teaching posts,			Sanctioned	Filled	Actual (including CAS & MPS)
	sanctioned, filled and actual		Director	1	1	1
10.	10. (Professors/Associate Professors/Asst.		Senior Scientists	2	2	Joined
Professors	Professors/others)		Inspire Faculty	1	1	Joined
			Scientists	2		Under
						Process

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 6 years
		Director	Molecular	35 years	12
Mohanakumar			Pharmacology/Neurosciences	33 years	12
Dr. Usha	Ph.D.	Senior	Genetics, Molecular Biology,	21 years	4
Rajamma		Scientist	Neuroscience	21 years	4
Dr. Rajesh A	Ph.	Senior	Polymer Chemistry, Macromolecular		
Shenoi	D.	Scientist	Therapeutics, Drug Design and	12 years	-
			Development		
Dr. Resmi	Ph.D.	Inspire	Polymer-based Drug Delivery		
Anand		Faculty	Systems, Drug-Carrier Interactions		
		(DST)	and Biomaterials for Tissue	2 years	-
			Engineering and Regenerative		
			Medicine		

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- N₁I

13. Percentage of classes taken by temporary faculty - programme-wise information:

- Nil

14. Programme-wise Student Teacher Ratio

- NA



- 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual
 - : Academic Support staff
 - Nil
 - : Admin. Staff
 - Four
- 16. Research thrust areas as recognized by major funding agencies:
 - (i) Drug Development, (ii) Viral Disease Research, (iii) Developmental Disabilities, (iv) Geriatric Diseases
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

a) national

SL.No	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)
Dr. Ush	a Rajamma			
1.	Association of Monoamine Transporter Genes with Autism: Special Reference to Equilibrative Nucleoside Transporter 4 (ENT4 or SLC29A4) and Vesicular Monoamine Transporter-2 (VMAT-2 or SLC18A2) genes	3 Years, Feb 2015 – Jan 2018	Indian Council of Medical Research (ICMR), Govt. of India	27.70
2.	Exploratory investigation on the role of folate system in childhood onset neurodevelopmental disorders.	3 Years, Feb 2015 - Jan 2018	Indian Council of Medical Research (ICMR), Govt. of India	57.00
Dr. Res	mi Anand			
1.	Development of injectable hydrogel-based delivery system for cartilage tissue repair	5 Years, 2017-2022	Department of Science & Technology, Govt. of India (under DST- INSPIRE Faculty Scheme)	. 83.00
Dr. K P	Mohanakumar			
1.	Dysregulated circulating melatonin in pathophysiological processes in Parkinson's disease (PD): a study on experimental Parkinsonism in animals and in PD patient population from eastern India	3 Years, April 2017 - March 2020	Indian Council of Medical Research (ICMR), Govt. of India	43.90 Lakhs (Final approval awaited)



b) international: Nil

c) Total grants received: 167.7 Lakhs

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

- 1. Between IUCBR & SSH and Bangur Institute of Neurology, Kolkata Rs. 44 lakhs
- 2. Between IUCBR & SSH and Manovikas Kendra, Kolkata (Two projects) Rs. 84.70 lakhs

b) International collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

SL. No	Project Title	Funded by	Amount (₹ in Lakhs)
1.	Drugs from Ayurveda herbs	DBT	20.00

Total grants received: ₹ 20 Lakhs

20. Research facility / centre with

State recognition : Yes

National recognition : Yes

International recognition: Under consideration

21. Special research laboratories sponsored by / created by industry or corporate

bodies: Under discussions/negotiations

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	177
2.	Monographs	-
3.	Conference Proceedings	-
4.	Chapters in Books	3
5.	Edited Books	3
6.	Books authored with ISBN	-
7.	Books authored without ISBN	-
8.	Articles in popular publications	-
9.	Total	183



Sl. No.	Name of the Faculty	SNIP (Cumulative for all & last 5 years)	SJR (Cumulative for all & last 5 years)
1.	Dr. K P Mohanakumar	94.008/33.107	149.872/52.756
2.	Dr. Usha Rajamma	32.288/16.925	55.987/32.656
3.	Dr. Rajesh A Shenoi	27.931/23.543	56.67/51.072
4.	Dr. Resmi Anand	8.25/7.424	11.108/10.071

^{*} Impact Factor – range / average; * h-index; *Citation Index – range / average (Total)

Name of the Faculty	Total no. of publications	Cumulative Impact Factor	Citations (as on January 2017)	h- index	i-10 index
Mohanakumar KP	114	376	3555	35	64
Usha Rajamma	36	107	635	16	20
Rajesh Shenoi	17	115	232	9	9
Resmi Anand	10	33	163	8	7
Total for all	177	636	4585		

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Sl. No.	Name of the faculty	Laboratory/ Research area with year		
1.	Dr. Usha Rajamma	 International Society for Autism Research (for IMFAR-2010), Genetics of Autism, Philadelphia, USA - 2010 Cornell University at Ithaca, One-week visit at the lab of M. Belmonte for acquiring ADOS program for the benefit of Autistic individuals in India - 2010 Society for Neuroscience, 2011 University of British Columbia, Vancouver, Canada, Macromolecular Therapeutics - 2008; 2010 American Chemical Society: Intl Meeting - Anaheim, CA - 2011 American Society of Hematology, San Diego, CA, 2014 Gordon Research Conference - Polymers, Boston, MA 2011 		
2	Dr. Rajesh A Shenoi			
3.	Dr. KP Mohanakumar	Only for the last Five Years 1. Intl Brain Research Organization (IBRO) - Intl School on Mitochondria: As Faculty - (i) at Punjab University, Oct 2015; (ii) Sri Lanka, Dec 2015; (iii) Ibadaan, Nigeria 2014; 2. International Society for Neurochemistry (i) Yearly Twice: Selection Committee Meetings for Grant in Aid for Conferences (ii) Once in two years: Young Scientists Award		

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Selection Committee Meetings	
(iii) Yearly once anywhere in the world for attending the	
International Society for Neurochemistry (ISN) as	
ISN elected member during 2011-2015.	
(iv) ISN-IBRO Fellowship Institution Committee	
3. Review member of the NIH, USA for project review:	
on-line reviewer or by attending meeting at designated	
locations in the USA.	

26. Faculty serving in

a) National committees - Two

Sl. No.	Name of the faculty	Committee
1	Dr. KP Mohanakumar	1. DBT Neuroscience Taskforce
1. Dr. KP Wionanakumar		2. Coordinator, MIND (CSIR-2011-2015)

b) International committees - One

Sl. No.	Name of the faculty	Committee
1	Dr. KP Mohanakumar	International Society for Neurochemistry (ISN), Conference Committee Faculty Member of International Brain Research Organization (IBRO) for teaching at Neuroscience Schools

c) Editorial Boards Five international HIF Journals; One Indian Journal

Sl. No.	Name of the faculty	Journal	
1	Dr. KP Mohanakumar	 Journal of Neurochemistry (Handling Editor), John Wiley & Sons;http://onlinelibrary.wiley.com/journal/10.1111/%28IS SN%291471-4159 Neurochemistry International, Elsevier Press; http://ees.elsevier.com/nci/ Neurochemical Research, Springer; http://www.springer.com/biomed/neuroscience/journal/11064 Anatomy and Cell Biology; http://www.acbjournal.com. Neuroscience & Medicine; www.scirp.org/journal/nm Journal of Cell & Tissue Research (Editor); http://tcrjournals.com/tr_journalcms.php 	



d) any other (please specify)

Sl.	Name of the faculty	Committee
No.		
1	Dr. KP Mohanakumar	 Faculty Selection Committees of NBRC, Gurgaon; University of Calcutta, Kolkata; Central Universities including Kerala Central University Kasargode; CDRI, Lucknow; Jadavpur University, Kolkata, etc. Board of Examiners for Ph.D: Several Universities, AcSIR, and IITs

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Conducted One International seminar and two national level conferences in the area of neuroscience during 2016-17 (Financial Year)

28. Student projects

Percentage of students who have done in-house projects including inter-departmental / Programmes

NA

Percentage of students doing projects in collaboration with other universities / industry / institute

NA

29. Awards / recognitions received at the national and international level by

Faculty

Name of Faculty	Research awards received by the faculty	
Dr. KP Mohanakumar	Prof. DP Burma Oration, Life Time Achievements in Neurochemistry, 2016	

• Doctoral / post doctoral fellows: Nil

• Students: Nil



30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Year	Seminars/ Conferences/Workshops	Source of funding	outstanding participants
1.	Symposium on "Neural Functions of the Aging Brain (NFAB)", September 27-28, 2016 at Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram	Department of Higher Education, Government of Kerala.	
2.	Neurocon-2017, A Biennial International Meeting of Neuroscientists	by Govt of India Agencies, and iCARE Hospitals, Haldia, West Bengal	
3.	NeuroUpdate-2016 An Annual Meeting of Neurologists and Neuroscientists	Drug Companies and NeuroUpdate- Forum of neurologists and neurobiologists	

31. Code of ethics for research followed by the departments:

To keep the research efforts and output at International Standards the institute has in place or currently formulating strict guidelines for checking plagiarism; statutory human ethics and animal ethics committees; students-mentoring committees; handholding advisory programs and students-self-help programs.

32.	Student profile p	orogramme-v	wise:	NA	•	
•	i	•	•	•	•	
33.	Diversity of stud	ents:		NA		

•

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. : NA

35. Student progression : NA

36. Diversity of staff :

Percentage of faculty who are graduates	
of the same university	25%
from other universities within the State	nil
from universities from other States	50%
from universities outside the country	25%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil



38. Present details of departmental infrastructural facilities with regard to

a) Library Books purchased during the period : About 10 Books (by way of Donation)

b) Internet facilities for staff and students : Available

c) Total number of class rooms : NA

d) Class rooms with ICT facility : NA

e) Students' laboratories : NA

f) Research laboratories : About 06 - Under Development

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university : NA

b) from other institutions/universities : One

40. Number of post graduate students getting financial assistance from the university: One from DBT.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology

• New programmes are always under taken with after having the thorough discussion with stake holders.

42. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

 NA
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

 NA
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

 NA
- 43. List the distinguished alumni of the department (maximum 10):

NA

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Two national and one international seminar were conducted



45. List the teaching methods adopted by the faculty for different programmes.

- Chalks & Black Boards/White Boards and colour sketch pens for outreaching programs;
- Group discussions and debates for mentoring programs
- **46.** How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? For the institute alone there is an Academic committee formed with eminent scientists from biomedical sciences including basic scientists and clinicians. The institute has plans to conduct six monthly projects-progress monitoring committee with external members, possibly from the funding agencies. Divisional (Sub-centres) assessment of progress are planned every 4 months.

47. Highlight the participation of students and faculty in extension activities.

- a. Provide state-of-the-art, advanced knowledgebase by giving invited talks at major Universities and Institutes of higher learning
- b. Provide occasional mentoring programs at other institutes and colleges for selected category of students.

48. Give details of "beyond syllabus scholarly activities" of the department.

- a. Conduct medical camps and population-based research-surveys
- b. Deliver plenary/special lectures as per the need of other institutions
- c. Scientific knowledge dissemination by outreaching by publications, leaflets and other modes of communications amongst the masses
- d. By volunteering review of articles submitted to peer reviewed journals
- e. By evaluating Projects submitted to National agencies such as DST/ DBT/ ICMR/UGC/DRDO, etc. for funding
- f. By evaluating MD/MS/MTech/MPharm/Ph.D theses

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. -NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- a. By publishing the data in peer reviewed journals
- b. By reviewing and publishing state-of-the-art knowledgebase that has reached a certain height
- c. Accumulation of knowledgebase from a discipline by generating compilation of articles

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

1. High-end Faculty Expertise: Faculty in the Institute is with 8-35 years experience in biomedical research in specialty areas such as neurochemistry/ neurobiology/



neuropharmacology, neurogenetics, polymer therapeutics, drug design and development.

- 2. Availability of infra structure (Building) for establishment of advanced laboratory facilities
- 3. Financial grant / Funds available for specialty laboratory establishment
- 4. Interdisciplinary nature of expertise, conducive to the amalgamated programmes of biomedical research
- 5. Advanced State of the art instrumentation facility being created

Weaknesses

- 1. Difficulty in communication: The institute being far away from the national/international airports, communication with national/international research community has become difficult.
- 2. Lack of opportunities/infrastructure for taking the discoveries to translational level
- 3. De-recognition of Temporary/Adhoc Faculty as Registered Guides/Mentors for higher degrees as per the new UGC regulations

Opportunities

- 1. Being a new institute, opportunities galore
- 2. Excellent opportunities for higher studies India and abroad

Challenges

- 1. Getting academic recognition from national/international bodies
- 2. Establishment of multidisciplinary projects/facilities
- 3. Continued funding for research and development activities
- 4. To attract competitive talents to join the institute
- 5. Meeting the expectations of translational outcome

52. Future plans of the department.

Infrastructure (Buildings)						
	i. Registration of Phase I, Block A,B,C					
Building	ii. Completion of Phase I C					
	iii. Taking up construction Phase II, Block A,					
	a. Animal House					
Building	b. Quarters					
Dunuing	c. Guest House					
	d. Student Hostels					
Establishment of Lab	oratories					
Centre for Communio	cable Diseases: Control & Prevention (CCDCP)					
	i. Recruitment of personnel					
CCDCP	ii. Infrastructure development (Virus research laboratory,					
CCDCr	Immunology, Viral genetics lab					
	iii. Approval from Regulatory authorities					



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	177	Epidemiological Survey
	iv.	Diagnosis (Nucleic acid based, Immunology based)
	V.	
Cantus for Davidanm	Vi.	Therapeutics (Vaccine development)
Centre for Developm		Aging Research (CDAR)
	a.	Epidemiology Identification of risk factors
	b.	
Developmental	C.	Molecular diagnostics and therapeutics
Disabilities	d.	Mechanistic investigations
	e. f.	Stem cell research facility
		Transgenic facility Cybrids facility
	g. i.	Cybrids facility
	ii.	Epidemiology Identification of risk factors
	111.	Molecular diagnostics and therapeutics Mechanistic investigations
Geriatrics	1V.	Stem cells/Transplantation research facility
	v. vi.	Transgenic facility
	vi. vii.	Cybrids facility
	vii. Viii.	Biobehavioral laboratory facilities
Centre for Drug Disc		· · · · · · · · · · · · · · · · · · ·
Centre for Drug Disc	i.	Interdisciplinary efforts
	ii.	Synthetic efforts
		•
	111.	Complimentary medicine Toxicology
	iv.	Toxicology
	V.	Drug formulation
	Vi.	Pharmacology
	vii.	ISO/GLP/GMP certification
Library & Information	on	
Establishment of Library	•	Constitution of Library committee
Information		'Words Worth Society': Publication of What's Life, BMC
dissemination		words worth society. I dollcation of what's Life, DIVIC
Academic Activities	•	
	i.	Ph D and Short-term courses
	ii.	Establishment of collaborations, MoU (National and
		International)
	iii.	Major grant applications
	iv.	Five Year Plan Programme from Government of Kerala
	v.	Collaborative activities with Department of Health
	vi.	Yearly planned programmes with Higher Education
		Department
	vii.	Organization of international and national symposia/ conferences
	viii.	Training programmes



INTER UNIVERSITY CENTRE FOR DISABILITY STUDIES

1.	Name of the Department	:	Inter Univer	sity Centre	for Disa	bility Studies	
2.	Year of establishment	:	2010				
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty of Behavioural Sciences				
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	M.Phil in Disability Studies				
5.	Interdisciplinary programmes and departments involved	:	Inter disciplinary research including Psychology, special education, technology, clinical psychology and social work				
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	NA				
7.	Details of programmes discontinued, if any, with reasons	:	Nil				
8.	Examination System	:	Semester (Ch	oice Based C	credit Sy	stem)	
9.	Participation of the department in the courses offered by other departments	:	Teaching M.Sc Disability Studies, M.Sc. Psychology and M.Phil Rehabilitation medicine courses in School of Behavioural Sciences.				
10.	Number of teaching posts, sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)		Sanctioned Filled Actual (including CAS & MPS) Professor Associate Professors				
			Asst. Professors	04			
			Others	Contract basis	02		

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No.	No. of Ph.D./ M.Phil. students guided for the last 6 years
Dr.P.T Baburaj	Msc. MA,MEd. PhD	Hon. Director	Auditorilly Handicapped	25	
Mrs.Hena N.N	M.Sc (Health &Behavioural Sciences), M.Phil (Psy.)	Research Associate /Lecturer	Health & Behavioural Sciences	10	M.Phil-4
Mrs.BilgyK.George	M.Sc(Psy.), M.Phil (LD), NET	Research Associate /Lecturer	Psychology	7	M.Phil-3

12. List of senior Visiting Fellows, adjunct faculty, emeritus professor

- 1. Mr.Vijesh P.V, Physiotherapist, Sree Chithira Institute of Medical Sciences, Thiruvananthapuram
- 2. Dr. Rahul Lekshman, Department of Palliative Care, AIMS, Edappally
- 3. Mr. Mathew Kanamala, Head of the Department of Social Work, St. Josephs College, Moolamattom.
- 4. Dr. A.P. Varma, Occupational Health Physician, Adithya Birla Group.
- 5. Ms.Suseela, Certified Yoga Trainer
- 6. Ms. Aswathy P.V, Clinical Psychologist, Co-operative Medical College, Cochin.
- 7. Dr. Roshan Bijly, Director, CRC, Kozhikode.
- 8. SujithBabu, Clincal Psychologist, Kottayam
- 9. Dr. Babu George, Child Development centre, Thiruvananthapuram
- 10. Mamman Joseph C, Ast. Professor Central University Karnataka
- 11. Dr. Sebastian Rupet Mampulli, Prof. School Of Management Studies, Cochin University of science and technology, Ernakulam.
- 12. Dr. Anilakumari, Assistant Professor, CUTEC, Vadakara, Calicut.
- 13. Mr. V.Sriram, Chief Librarian, Centre for Development Studies (CDS), Trivandrum.
- 14. Mr. Vinod S.S, Clinical Psychologist, IUCDS, Guest faculty
- 15. Ms. Priya Varghese, Clinical Psychologist, Pushpagiri Medical College, Thiruvalla
- 16. Vipin Chandralal, Clinical Psychologist, Pushpagiri Medical College, Thiruvalla
- 17. Dr. M.R. Gopalakrishnan, Social worker, counsellor, yoga master and Pranic Healer, Gurukulam Training centre, Pampady



- 18. Adv. Amal Kasha, High court, Ernakulam
- 19. Mrs. Divya Paul, Speech Therapist, Kusumagiri Mental Hospital, Kakkanad
- 20. Mrs. Anitta Paul, Special educator, Vigyan valley Learning Centre, Ernakulam
- 21. Sr. Jyothi, Special educator, Kusumagiri Mental Hospital, Kakkanade
- 22. Mr. Ramesh B. Nair, Jt. Director, Statistics and Planning department, Rubber board ,Kottayam
- 23. Prof. Dr. M.S. RazeenaPadmam, Director ,School of Behavioural Sciences, M.G. University
- 24. Dr. Sandhya E, Associate Professor Prajyithi Nikethan College, Puthukkad, Trissure
- 25. Dr. Jasmine, Assistant Professor, Law college, Gandhinagar
- 26. Dr. Suresh Kumar. M, Assistant professor, Clinical Psychology, CRC, Kozhikode.
- 27. Dr. Sunish T.V, Assistant professor in special education, CRC, Kozhikode.
- 28. Subeesh Gopi, Performance Coach, Caliber ,Kottayam
- 29. George Babu, Director, Caliber, Kottayam
- 30. Dr.Suresh S, Assistant professor, Dept. of Pediatrics, Medical College Hospital. Kottayam
- 31. Dr. P. Savidha, Professor and head of Pediatrics, Medical College Hospital Kottayam
- 32. DR.Jiji Mary- Associate professor in Pediatrics, Medical College Hospital Kottayam.
- 33. Dr. Rincy Joseph, Director, ALAN T21 Welfare Trust, Changanassery
- 34. Sri. Sudheer Sakthan, Assistant professor in pediatrics, Medical college hospital, Kottayam
- 35. Dr. K.Manikandan, Associate Professor & HOD, Dept. of Psychology, Calicut University
- 36. Dr. Neeradha Chandramohan. Associate Professor. Department of Clinical Psychology.
- 37. Dr. J Vijayalakshmy, Lecturer (Medical Sciences), NIEPMD
- 38. Dr. K. Bala Baskar, Lecturer, Department of Adult Independent Living, NIEPMD
- 39. Rev. Father Thomas Felix, Director of Central Institute on Mental Retardation, Trivandrum, Kerala
- 40. Dr. Himangshu Das, Director of National Institute for Empowerment of Persons with Multiple Disabilities, Chennai (NIEPMD).
- 41. Dr. M.K Jayaraj, State Institute for the Mentally Challenged, Trivandrum.

13. Percentage of classes taken by temporary faculty – programme-wise information:

No temporary faculty

14. Programme-wise Student Teacher Ratio:

MPhil - 4:3

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Administrative staff -04Sanctioned -04

• (Coordinator Post Vacant -01, Field Messenger Post Vacant -01)

16. Research thrust areas as recognized by major funding agencies:

Funding agency: Department of higher education, Govt of Kerala.

- 1. Inclusion and inclusive education.
- 2. Aging and disability management.
- 3. Tool development for persons with disabilities.
- 4. Community based rehabilitation programmes and policies.
- 5. Disability inclusive disaster management.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

Community based intervention projects in association with Santhigiri Rehabilitation Institute, Vazhithala P.O, Thodupuzha- 685583 and Theeradesa Raksha Social Welfare Society (TRSWS), Reg. No. 566/2001, Sidco building, Beach Road, West Hill P.O, Calicut- 673005.

IUCDS granted an amount of Rs.2 Lakhs each to the agencies.

Sl. No	Торіс	Institution
1.	"Empowerment of Persons with	Santhigiri Rehabilitation Institute,
	Disabilities (PWDs) through Community	Vazhithala P.O,
	Integration"	Thodupuzha- 685583
2.	"Skill development training programme	Theeradesa Raksha Social Welfare
	to the persons with disabilities"	Society (TRSWS),
		Reg. No. 566/2001, Sidco building,
		Beach Road,
		West Hill P.O,
		Calicut- 673005.



b) International collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility / centre with

State recognition: Yes, IUCDS is a centre established by the Dept. of higher education, Govt. of Kerala

National recognition Nil

International recognition Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies- Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	14
2.	Monographs	0
3.	Conference Proceedings	11
4.	Chapters in Books	2
5.	Edited Books	0
6.	Books authored with ISBN	0
7.	Books authored without ISBN	0
8.	Articles in popular publications	0
9.	Total	27

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated:

Sl No	Programme	Income (₹ in Lakhs)
1.	Income generated from consultancy (DREAMS) – (Remedial coaching, counselling, Speech therapy, Physiotherapy and Psychological consultation)	2.02
2.	Income generated from Certificate programmes, Workshops, Seminars and conferences	3.15
3.	Total	₹ 5.17

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad -Nil

26. Faculty serving in

1. National committees -

Sl. No	Name of the faculty	Committee
1.	Hena N.N	Member: Dementia Friendly Community initiative (DFC- initiative, Research and development centre, Alzheimer's and Related disorders society of India (ARDSI), India
		Member, PAC, DIET, Ernakulum, Member Institutional Ethical Committee, Alzheimer's and Related disorders society of India (ARDSI)

b) International committees

c) Editorial Boards: 01

d) any other

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Sl No	Programme	Number
1.	Orientation programme	0
2.	Workshops	12
3.	Seminars	06
4.	Certificate courses	16

Research Methodology, 3/6/10 days workshop /CRE training –NIEPMD etc.

28. Student projects

- percentage of students who have done in-house projects including interdepartmental projects: 100%
- percentage of students doing projects in collaboration with other universities /industry / institute

29. Awards / recognitions received at the national and international level by

Faculty: Nil

Doctoral / post-doctoral fellows: Nil

Students:

UGC NET -1

RNGF -1



30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

• List of short term programmes conducted at IUCDS

Sl. No	Programme	Duration	Date	Funding	Level	Participants
1.	Certificate course in Ageing and Disability Management	5 days	06.06.2011 to 10.06.2011	Participants & DDF fund	State level	Students &Professionals
2.	Training programme in management of behavioural problem among children	5 days	18.07.2011 to 22.07.2011	Participants	State level	Students, Research scholars & Professionals
3.	Certificate programme in counselling	1 month	17.10.2011 to 22.11.2011	Participants	State level	Students, Research scholars & Professionals
4.	Certificate programme in management of behavioural problems	1 month	04.01.2012 to 03.02.2012	Participants	State level	Students, Research scholars & Professionals
5.	Certificate programme in Early intervention for childhood disabilities	10 days	16.04.2012 to 27.04.2012	Participants	State level	Students, Research scholars & Professionals
6.	Certificate programme in counselling	1 month	09.05.2012 to 08.06.2012	Participants & DDF fund	State level	Students & Professionals
7.	Certificate programme in counselling	1 month	17.09.2012 to 16.10.2012	Participants	State level	Students & Professionals
8.	Workshop on classroom management and soft skills training	3days	17.10.2012 to 19.10.2012	Participants	State level	Students, Research scholars & Professionals
9.	Workshop on learning disabilities	5 days	30.10.2012 to 03.11.2012	Participants	State level	Students, Research scholars & Professionals



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1.0	*** 1 1	~ 1	20.01.2012	D	G	G: 1 :
10.	Workshop on	5 days	28.01.2013	Participants	State	Students,
	research		to		level	Research
	methodology		01.02.2013			scholars
						& Due ferrei au alla
1.1	XX7 1 1	1 1	10.05.2012	D .: : .	G	Professionals
11.	Workshop on	1 day	10.05.2013	Participants	State	Students,
	project proposal				level	Research
	writing					scholars
						& D C : 1
10	T	7 1	12.05.2012	D .: : .	G	Professionals
12.	Training on	5 days	13.05.2013	Participants	State	Students,
	Learning		to		level	Research
	Disabilities		17.05.2013			scholars,
						Professionals
						and disabled
12	C 111	10.1	20.05.2012	D 4: : 4	G	persons
13.	Counselling –	10 days	20.05.2013	Participants	State	Students,
	Advanced course		to 31.05		level	Research
			2013			scholars
1.4	1	10.1	22.07.2012	D .: : .	G	&Professionals
14.	Management of	10 days	22.07.2013	Participants	State	Students,
	behavioural		to		level	Research
	problem among		02.08.2013			scholars
1.5	children	<i>r</i> 1	07.10.2012	D .:	G, ,	&Professionals
15.	Continuous	5 days	07.10.2013	Participant, National	State	RCI registered
	Rehabilitation		to 11.10.2013	Institute for the	level	professionals
	Education (CRE)		11.10.2013			
	programme			Empowerment of Persons with		
				Multiple		
				Disabilities		
				(NIEPMD),		
				Chennai		
16.	Certificate course	1 month	25.11.2013	Participants	State	Students,
10.	in counselling	1 111011111	to	1 articipants	level	Research
	in counselling		23.12.1013		10 (01	scholars
			23.12.1013			&
						Professionals
17.	Certificate	5 days	17.03.2014	Participants	State	Parents,
''	programme on	z aajs	to	- articipanito	level	Research
	parenting of		21.03.2014			scholars
	children with					&
	special needs					Professionals
18.	Workshop on	3 days	24.04.204	Participants	State	Students,
	Autism spectrum		to	- minipuliti	level	Research
	disorder		26.04.2014			scholars
						&
						Professionals
	•	•	•	•	•	



			T	Τ		
19.	Workshop on	2 days	26.05.2014	Participants	State	Research
	project design and		to		level	scholars
	proposal writing		27.05.2014			&
20	G	0.1	27.04.2014	7	Q	Professionals
20.	Continuous	3 days	25.06.2014	Participants,	State	RCI registered
	Rehabilitation		to	National	level	professionals
	Education (CRE)		27.06.2014	Institute for the		
	programme			Empowerment of Persons with		
				Multiple Disabilities		
				(NIEPMD),		
				Chennai		
21.	Workshop on	2 days	28.08.2014	Participants	State	Students,
21.	Research	2 days	to	T di tierpants	level	Research
	Methodology		29.08.2014		10 / 01	scholars
						&
						Professionals
22.	Workshop on	3 days	16.09.2015	Participants	State	Students,
	Research	•	to 18.		level	Research
	Methodology		09.2015			scholars
						&
						Professionals
23.	Workshop on	1 day		Participants	State	Students,
	Learning		15.02.2016		level	Research
	Disability					scholars
						& D : 1
2.4	Certificate	1 J	01 02 2016	DDE for 1	Chata	Professionals
24.		1 day	01.03.2016	DDF fund, National	State	Students &
	programme on Commemoration			Service Scheme	level	Professionals
	of World Zero			(NSS) &		
	Discrimination			Department		
	Day			Students Union		
	Duy			(DSU)		
25.	World Down	1 day	21.03.2016	DDF fund,	State	Students &
	Syndrome Day	ı aay	21.05.2010	Alan T 21	level	Professionals
	- j 22 uj			Welfare Trust,	10,01	_ 1010001011410
				Changanassery		
			l	0		



• List of seminars conducted at IUCDS

Sl. No	Topic	Duration	Associations	Date	Funding	Level	Participants
1.	State level seminar on management and empowerment of persons with multiple disabilities	2 days	National Institute for the Empowerment of Persons with Multiple Disabilities (NIEPMD), Chennai	13.09.2012 to 14.09.2012	Participants	State level	Students , Research scholars, parents & Professionals
2.	International seminar on Emerging trends in disability studies management	1 day		08.01.2013	Participants & DDF fund	Internatio nal	Students & Professionals
3.	Legal rights of persons with disabilities	1 day		25.04.2013	Participants & DDF fund	State level	Parents, disabled persons, Professionals
4.	National seminar on "Technology: A boon for persons with disabilities	1 day	State institute for the Mentally challenged	03.12.2014	Participants , DDF fund &State institute for the Mentally challenged	National	Students, Professionals
5.	National conference on "Vision 2020" in association with C.H MuhammedKo ya State Institute of for the Mentally challenged (SIMC), Trivandrum	2 days	C.H Muhammed Koya State Institute of for the Mentally challenged (SIMC), Trivandrum	20.04.2015 to 23.04.2015	DDF fund	National	Students, Professionals
6.	National conference on "Models of best practices in rehabilitation for the empowerment of persons with disabilities"	2 days	National Institute for the Empowerment of Persons with Multiple Disabilities (NIEPMD), Chennai	16.10.2015 to 17.10.2015	NIEPMD	National	Students, research Scholars, Professionals



31. Code of ethics for research followed by the departments:

Plagiarism will be assessed before the submission of dissertation.

32. Student profile programme-wise:

•	Name of the programme	% of students from the same University	% of students from outside state	% of students from other countries
•	M.Phil Disability Studies	78%	22%	Nil

33. Diversity of students : M.Phil Disability studies -100%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. NET-01

35. Student progression:

- Other than campus recruitment 16
- Entrepreneurs 16

36. Diversity of staff:

versity of start v	
Percentage of faculty who are graduates	02
Of the same university	02
From other universities within the State	02
From universities from other States	02
From universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

• Ph.D- Sunish T.V, Research Associate / Lecturer

38. Present details of departmental infrastructural facilities with regard to

a) Library -Yes.

At present library is functioning at the office itself- Total Books: 219

b) Internet facilities for staff and students. -Yes
 c) Total number of class rooms -01
 d) Class rooms with ICT facility -01
 e) Students' laboratories -01
 f) Research laboratories -NA



39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university - Nil

b) From other institutions/universities - Nil

40. Number of post graduate students getting financial assistance from the university.

-NA

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

The centre was established by the Department of Higher education, Govt. of Kerala. A core committee was formed with Dr. K.N. Panicker, Vice Chairman, Kerala State Higher education council as Chairman and Dr. G. N. Karna, School of International Studies, New Delhi and G.C. Reddy, Professor & Dean, School of education and HRD, Dravida University, Sreenivasavanam, Kuppam, Andhra Pradesh as members to study the need and significance of the establishment of the centre.

As per the report of the Core Committee the centre Inter University Centre for Disability Studies was established in 2010. M.Phil disability studies started as full time academic programme.

42. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
 - Yes, it will used for the updation of curriculum
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
 - Regular feedback from students
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?
 - Regular feedback from alumni

43. List the distinguished alumni of the department (maximum 10):

Sl .No	Name of the Alumni	Designation
1	Preethy K.Kumar	Principal, Jainy College of Special Education,
1		Vitila, Ernakulam
2	Bobby Mathew	Chief Executive Officer, Ushus Centre for
2	Boody Mattlew	exceptional Children, Hubli, Karnataka
3	Farasha K.A	Physiotherapist
3		New Dar Al Shifa Hospital Hawally, Kuwait
4	Dearw C.D.	Lecturer, Department of Physiotherapy,
4	Deepu C.B	SME, Gandhinagar, Kottayam



		Chief Nursing Officer
5	Annamma J	St. Gregarious International Cancer Care Centre &
		Mission Hospital, Parumala P.O, Pathanamthitta
	Shiby Mol C.B	Assistant Professor
		Department of Psychology
6		Little Flower Institute of Social Science and Health,
		Calicut.
7	Sasikala L.	Vice principal,
		KVM College of Special Education, Cherthala
8	Princy George	Counsillor, Sidhartha Central School, CBSE,
		Puthoor P.O

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl. No	Special lectures / workshops / seminar	Resource Persons
1	Aging and Disability Management	 WORKSHOPS Mr. Vijesh P.V, Physiotherapist, Sree Chithira Institute of Medical Sciences, Thiruvananthapuram. Dr. Rahul Lekshman, Department of Palliative Care, AIMS, Edappally Mr. Mathew Kanamala, Head of the Department of Social Work, St. Josephs College, Moolamattom. Dr. A.P. Varma, Occupational Health Physician, Adithya Birla Group.
2.	Management of behavioural problem among children	 Ms. Aswathy P.V, Clinical Psychologist, Co-operative Medical College, Cochin. Dr. Roshan Bigly , Director, CRC , Kozhikode Sujith Babu, Clincal Psychologist, Kottayam
3.	Counselling Course	 Prof.(Dr.) M.S RazeenaPadmam, Hon. Director, IUCDS Dr. C.S Ambika Devi, Co-ordinator, IUCDS Dr.SunishT.V, Lecturer, IUCDS Ms.Hena N.N, Lecturer, IUCDS
4.	Management of behavioural problems	 Dr. Rahul Lekshman, Department of Palliative Care, AIMS, Edappally SujithBabu, Clincal Psychologist, Kottayam Ms.AswathyP.V, Clinical Psychologist, Co-operative Medical College, Cochin
5.	Early intervention for childhood disabilities	 Dr. Babu George, Child Development centre, Thiruvananthapuram Mr. Vijesh P.V, Physiotherapist, SreeChithira Institute of Medical Sciences, Thiruvananthapuram SujithBabu, Clincal Psychologist, Kottayam Dr. Rahul Lekshman, Department of Palliative Care, AIMS, Edappally



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6.	Counselling Course	 Prof.(Dr.) M.S Razeena Padmam, Hon. Director, IUCDS Dr. C.SAmbika Devi , Co-ordinator ,IUCDS Dr. SunishT.V,Lecturer, IUCDS Ms .HenaN.N,Lecturer, IUCDS
7.	Counselling Course	 Prof.(Dr.) M.S RazeenaPadmam, Hon.Director, IUCDS Dr.C.SAmbika Devi ,Co-ordinator, IUCDS Dr.SunishT.V,Lecturer, IUCDS Ms.HenaN.N,Lecturer, IUCDS
8.	Classroom management and soft skills training	 Prof.(Dr.) M.S RazeenaPadmam, Hon.Director, IUCDS Dr.C.SAmbika Devi, Co-ordinator, IUCDS Dr.SunishT.V,Lecturer, IUCDS Ms.HenaN.N,Lecturer, IUCDS
9.	Learning disabilities	 Dr. Babu George, Child Development centre, Thiruvananthapuram Dr. Anilakumari, Assistant Professor, CUTEC, Vadakara, Calicut
10	Research methodology	 Mr. V.Sriram, Chief Librarian, Centre for Development Studies (CDS), Dr. Anilakumari, Assistant Professor, CUTEC, Vadakara, Calicut
11	Project proposal writing	Dr. Anilakumari, Assistant Professor, CUTEC, Vadakara, Calicut
12	Training on Learning Disabilities	 Dr. Anilakumari, Assistant Professor, CUTEC, Vadakara, Calicut. Ms. AswathyP.V, Clinical Psychologist, Co-operative Medical College, Cochin.
13	Counselling Advanced course	 Ms. AswathyP.V, Clinical Psychologist, Co-operative Medical College, Cochin. Mr. Vinod S.S, Clinical Psychologist, IUCDS, Guest faculty Mamman Joseph C, Asst. Professor Central University Karnataka
14	Management of behavioural problem among children	 Mamman Joseph C, Ast. Professor Central University Karnataka. Ms. Priya Varghese, Clinical Psychologist, Pushpagiri Medical College, Thiruvalla VipinChandralal, Clinical Psychologist, Pushpagiri Medical College, Thiruvalla Mr. Mathew Kanamala, Head of the Department of Social Work, St. Josephs College, Moolamattom.
15	Continuous Rehabilitation Education (CRE) programme	Resource persons from National Institute for Empowerment of Persons with Multiple Disabilities, Chennai (NIEPMD)



		1.	Mamman Joseph C, Ast. Professor Central University Karnataka
16	Certificate course in	2.	Ms. AswathyP.V, Clinical Psychologist, Co-operative
	counselling	۷٠.	Medical College, Cochin.
			2.202.202.202.000.000.000
		1.	Ms. Priya Varghese, Clinical Psychologist, Pushpagiri
			Medical College, Thiruvalla
17	Parenting of children	2.	Dr. M.R. Gopalakrishnan, Social worker, counsellor,
	with special needs		yoga master and pranic Healer, Gurukulam Training centre, Pampady
		3.	Adv. Amal Kasha, High court, Ernakulam
		1.	Mrs. DivyaPaul, SpeechTherapist, Kusumagiri
			Mental Hospital, Kakkanade
18	Autism spectrum	2.	Mrs.AnittaPaul,Special educator,Vigyan valley
10	disorder		Learning Centre, Ernakulam
		3.	Sr. Jyothi, Special educator, Kusumagiri Mental
		1	Hospital, Kakkanade Dr. Anilakumari, Assistant Professor, CUTEC,
19	Project design and	1.	Vadakara, Calicut
	proposal writing		radakara, Cantout
20	Research Methodology	1.	Mr. Ramesh B. Nair, Jt.Director, Statistics and
20			Planning department, Rubber board, Kottayam
		1.	Prof.(Dr.) M.S RazeenaPadmam, Hon.Director,
	Research Methodology	2	IUCDS Dr. Anilalaymani Assistant Professor CUTEC
21		2.	Dr. Anilakumari, Assistant Professor, CUTEC, Vadakara, Calicut
		3.	Dr. SandhyaE, Associate professor, Prajyithi Nikethan
			College, Puthukkad, Trissure
22	Learning Disability	1.	Dr. Anilakumari, Assistant Professor, CUTEC,
			Vadakara, Calicut
22	Commemoration of	1.	Dr. Jasmine, Assistant Professor, Law college,
23	World Zero		Gandhinagar
	Discrimination Day	1.	Dr. Suresh Kumar. M, Assistant professor, Clinical
	World Down Syndrome	1.	Psychology, CRC, Kozhikode.
24		2.	Dr. Sunish T.V, Assistant professor in special
			education, CRC, Kozhikode.
	Day	3.	Subeesh Gopi, Performance Coach, Caliber, Kottayam
		4.	George Babu, Director, Caliber, Kottayam

SEMINARS

Sl. No	Special lectures / workshops / seminar	Resource Persons
1.	Management and empowerment of persons with multiple disabilities	Dr. J Vijayalakshmy, Lecturer (Medical Sciences), NIEPMD
2.	Emerging trends in disability studies management	Dr. M.K Jayaraj ,State Institute for the Mentally Challenged, Trivandrum
4.	National seminar on "Technology: A boon for persons with disabilities	Sri. Sudheer Sakthan, Assistant professor in paediatrics, Medical college hospital, Kottayam
5.	National conference on "Vision 2020" in association with C.H Muhammed Koya State Institute of for the Mentally challenged (SIMC), Trivandrum	 Dr. M.K Jayaraj ,State Institute for the Mentally Challenged, Trivandrum Dr. J Vijayalakshmy, Lecturer (Medical Sciences), NIEPMD Prof.(Dr.) M.S Razeena Padmam, Hon. Director ,IIUCDS
6.	National conference on "Models of best practices in rehabilitation for the empowerment of persons with disabilities"	 Dr. Himangshu Das, Director of National Institutefor Empowerment of Persons with Multiple Disabilities, Chennai (NIEPMD). Dr.Neeradha Chandramohan, Associate Professor, Department of Clinical Psychology, NIEPMD. Dr. J Vijayalakshmy, Lecturer (Medical Sciences), NIEPMD Dr. K. BalaBaskar, Lecturer, Department of Adult Independent Living, NIEPMD Rev. Father Thomas Felix, Director of Central Institute on Mental Retardation, Trivandrum, Kerala Ms. GeethaGopi. B.M. R, M. A (Psy), P.G. Diploma in Child Care and Psychology

45. List the teaching methods adopted by the faculty for different programmes: Smart classroom teaching using Audio visual aids. Use of ICT, Social media network.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Concurrent evaluation
- Seminars
- Assignments
- Class tests



47. Highlight the participation of students and faculty in extension activities:

- Students and faculty conduct various awareness programmes on disabilities.
- Students participate in the assessment and intervention process in the early intervention centre, DREAMS.

Students and faculty initiates activities in connection with the commemoration of important days related to disabilities with various programmes such as Seminars, Pamphlet Distribution, Debates and Group Discussions.

- World No Tobacco Day 31st May
- World Mental Health Day 10th October
- World Alzheimer's Day 21st September
- World Geriatric Day 30th September
- World White Cane Day 6th October
- World Mental Health Day 10th October
- World Arthritis Day 12th October
- World Disability Day December 3rd

IUCDS showed their concern towards the disabled victims of Endosulfan tragedy.

48. Give details of "beyond syllabus scholarly activities" of the department: Social responsibility activities.

- Students are encouraged to take up activities in the community using their professional knowledge and skills. The activities include community education on disabilities.
- Student trainings.
- conducting awareness programmes and workshops.
- Need based intervention programmes etc.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

The centre is established by the Department of Higher education, Govt. of Kerala.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied :

Inter University Centre for Disability Studies is a unique centre established to generate new knowledge and conduct research activities. The centre produced more than 18 dissertations as part of the curriculum. The dissertations are aimed to develop new knowledge and apply the same for persons with disabilities. The details of the contributions are given below.

Sl. No	Name	Name of the Contributors
1.	Effectiveness of Video Assisted Reminiscence Therapy on Subjective Well-Being of the Institutionalized Elderly	Sanish A.Thomas, M.Phil 2014 -15 student, IUCDS Ms.Hena N.N, Lecturer, IUCDS
2.	Parental Awareness and Effectiveness of Parent – Focused Multi-Sensory Training on Management of Children with ADHD	Sasikala L. MPhil 2015 -16 student, IUCDS Dr.P.TBaburaj, Hon.Director, IUCDS Ms. Bilgy K. George, Lecturer, IUCDS Ms.Hena N.N, Lecturer, IUCDS
3.	Effectiveness of Attention Improving Multimedia package on selective Attention of Children with ADHD	Princy George., MPhil 2015 -16 student, IUCDS Dr.P.TBaburaj, Hon.Director, IUCDS Ms.Hena N.N, Lecturer, IUCDS Ms. Bilgy K. George, Lecturer, IUCDS
4.	Effectiveness of Video Assisted Orientation Programme on Awareness about Childhood Disabilities and related Stress among Mothers of Toddlers	Mitzy Maria J, MPhil 2015 -16 student, IUCDS Dr.P.TBaburaj, Hon.Director, IUCDS Ms.Hena N.N, Lecturer, IUCDS Ms. Bilgy K. George, Lecturer, IUCDS

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strengths:

• Unique Centre

Inter University Centre for Disability Studies is one of its kinds in India established in 2010 with a noble vision to ensure inclusion and complete participation of Persons with Disabilities. The centre has involvement and active participation of academicians, Rehabilitation professionals, medical professionals, scholars from different fields who contributes to the field of disability and rehabilitation of persons with disabilities in a trans disciplinary approach. The centre promotes transdisciplinary research and extension activities. IUCDS conducts M.Phil programme in disability studies for students from various disciplines. Besides, the centre conducts short term training programmes, workshops, seminars, conferences and certificate programmes.

• Inter disciplinary team of professionals

IUCDS has Inter disciplinary team of professionals from various fields. The centre has academicians, Rehabilitation professionals viz, speech therapist, physiotherapist and clinical psychologist. The centre has a team of volunteers who are experts from various fields.

Disability related services under one roof

IUCDS provide various services for persons with disabilities under one roof. The centre has an extension centre names Disability Rehabilitation Early Assessment and Management Services (DREAMS) which has the following services.

- Physiotherapy



- Audiological assessment and speech therapy unit
- Remedial coaching
- Counselling services
- Psychological assessment.

• Academic, Research training and extension activities

IUCDS provide various academic programmes. IUCDS offers fulltime M.Phil programme in disability studies and various short term training programmes, workshops, seminars and conferences.

Students of IUCDS conducts research as part of their curriculum promote transdisciplinary research to support persons with disability

Weaknesses

• Registration as per RCI Act, 1992

Since IUCDS was conceived as a place where professionals from various discipline involved, the centre has its objectives to promote transdisciplinary research activities. The centre may fail to fit in to the existing policies as per the guidelines of RCI, act, 1992 which emphasises the accreditation by Rehabilitation Council of India. The centre needs to initiate activities to consider it as a special case and avail RCI accreditation for its complete functioning.

- Lack of adequate space to function
- Staff turn over
- · Insufficient fund

Opportunities

- As the centre envisages inter disciplinary / multidisciplinary/ trans disciplinary research and academic activities, there are amble opportunities for interactions/collaborations with various institutions within India and abroad.
- Students from other disciplines can be attracted for studies in Interdisciplinary dimensions.
- Excellent opportunities for students for placement.
- The centre has potential to provide extension activities in the area of disability rehabilitation across the nation.
- Extension of outreach programmes for the differently abled.

Challenges

- Income generation to ensure sustainability of the centre.
- Implementation of the norms in the Government regulations for enriching the activities of the centre to fulfill its objective of inclusion and complete participation of persons with disabilities.

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- Establish additional facilities and infrastructure for better provision of services to the persons with disabilities.
- Create capacity building programmes for students and staff of the centre to empower them in participating rehabilitation activities and research.
- Creating opportunities for students to be in the part of the rehabilitation programmes.

52. Future plans of the department.

- Extension and expansion of DREAMS: DREAMS started its functioning with the objective of providing early identification and intervention services to all types of disabilities under one roof. To fulfill this, the centre needs the following units to cater the services to the neediest.
 - Extension of the services of DREAMS to various districts in Kerala.
 - Ophthalmology Unit
 - Occupational therapy unit
 - Vocational Rehabilitation Centre
 - Placement Cell
 - Counseling Centre for the caregivers of PWD.
- **Information center and Data-bank:** IUCDS is planning to start an information centre for disseminating information regarding various aspects of disability, rehabilitation services to parents, caregivers and professionals. IUCDS is also planning to form a databank of disability rehabilitation services.
- To develop Assessment tools and Equipment: The centre proposed a plan to develop quality assessment tools and equipment for the proper identification of various disabilities.
 - Interdisciplinary study center

IUCDS is keen on starting an interdisciplinary study centre to promote interdisciplinary studies and to develop quality professionals in the field of disability studies. The centre has plans to conduct the following;

- Student Exchange Programmes
- Faculty Exchange Programmes
- **Formation of Self Help Groups in different districts:** The centre proposes to form self-help groups of parents/caregivers.
- Formation of Team of Volunteers in the name "FRIENDS OF IUCDS": To pool the services of experts and well-wishers of IUCDS, the centre is planning to form a team of volunteers in the name "Friends of IUCDS".

INTER UNIVERSITY INSTRUMENTATION CENTRE (IUIC)

1.	Name of the Department	:	Inter University Instrumentation Centre (IUIC)
2.	Year of establishment	:	2011
3.	Is the Department part of a School/Faculty of the University?	:	Faculty of Science & Faculty of Applied Science and Technology
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	Ph. D.
5.	Interdisciplinary programmes and departments involved	:	Interdisciplinary Scientific Research from Chemistry, Physics, Biology, Environmental Scienc and Nanoscience.
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Nil
7.	Details of programmes discontinued, if any, with reasons	:	Nil
8.	Examination System	:	Not Applicable
9.	Participation of the department in the courses offered by other departments	:	Nil



10.	Number of teaching
	posts, sanctioned,
	filled and actual
	(Professors/Associate
	Professors/Asst.
	Professors/others)

	Sanctioned	Filled	Actual(including CAS & MPS)
Professor	-	-	-
Associate	-	-	-
Professors			
Asst.	-	-	-
Professors			
Others	-	-	-

The following are the regular faculty members involved in the Centre.

- **1.** Prof. C. T. Aravindakumar (School of Environmental Sciences) (Hon. Director)
- **2.** Dr. Prakashkumar B. (School of Biosciences) (Joint Director)
- **3.** Prof. Sabu Thomas (Polymer Technology)
- **4.** Prof. N. V. Unnikrishnan (Pure and Applied Physics)
- **5.** Prof. G. Sudarshanakumar (Pure and applied Physics)
- **6.** Dr. Jayachandran K. (Biosciences)
- 7. Dr. E.V. Ramasamy (Environmental Sciences)
- 8. Dr. Nandakumar Kalarikkal (Nanotechnology)
- **9.** Dr. Anilkumar G. (Organic Chemistry)
- 10. Dr. Radhakrishnan E. K. (Microbiology)

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experi- ence	No. of Ph.D./ M.Phil. students guided for the last 6 years*
Prof. C. T. Aravindakumar	Ph. D.	Professor	Physical Organic	23	2 Ph. D. Students
Aravilluakulliai			Chemistry		
			Chemistry		Currently working
Dr. Prakashkumar	Ph. D.	Associate	Biochemistry	16	
B.		Professor			
Prof. Sabu Thomas	Ph. D.	Professor	Polymer	30	
			Chemistry		
Prof. N. V.	Ph. D.	Professor	Material	30	
Unnikrishnan			Science, Solid		
			State Physics		



Prof. G.	Ph. D.	Professor	Physics	22	
Sudarshanakumar					
Dr. Jayachandran	Ph. D.	Associate	Biosciences	18	
K.		Professor			
Dr. E.V. Ramasamy	Ph. D.	Professor	Environmental	16	
			Biotechnology		
Dr. Nandakumar	Ph. D.	Associate	Nano	21	
Kalarikkal		Professor	technology		
Dr. Anilkumar G.	Ph. D.	Associate	Synthetic	10	
		Professor	Chemistry		
Dr. Radhakrishnan	Ph. D.	Assistant	Biosciences	6	
E. K.		Professor			

^{*}These faculty members have their own Ph. D. students at the respective departments, but utilizing the facilities in the Centre.

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Visiting Scientist

1. Dr. K. P. Madhusudanan (Former Head, SAIF, CDRI, Lucknow)

Other	Other distinguished Scientists Visited the Centre for the last 4 years			
1.	Prof. Renato Falcao Dantas	University of Campinas – UNICAMP, Brazil		
2.	Dr. Despo Fatta Kassinos	Department of Civil and Environmental Engineering, Nireas International Water Research Center, University of Cyprus, Nicosia- Cyprus		
3.	Dr. Urška Lavrenčič Štangar	University of Nova Gorica, Nova Gorica, Slovenia		
4.	Prof. Yoram Oran	Department of Desalination and Water Treatment, Zuckerberg Institute for Water Research, Blaustein Institutes for Desert research, Ben-Gurion University of the Negev, Israel		
5.	Dr. S. Prabhakar	National Center for Mass Spectrometry, CSIR-IICT, Hyderabad		
6.	Dr. Murali Chilakapati	Advanced Center for Treatment, Research &Education in Cancer (ACTREC), Kharghar, Mumbai		
7.	Dr. M. Vairamani	SRM University, Tamil Nadu		
8.	Dr. R. Srinivas	National Center for Mass Spectrometry, CSIR-IICT, Hyderabad		
9.	Prof. Athula Attygalle	Stevens Institute of Technology, USA		
10.	Dr. Marc J-F Suter	Eawag, Switzerland		
11.	Dr. Laurent Debrauwer	Universitè de Toulouse, France		
12.	Prof. Olivier Laprevote	Paris Descartes University, France		



- **13.** Percentage of classes taken by temporary faculty programme-wise information: Not Applicable
- 14. Programme-wise Student Teacher Ratio: Not Applicable
- 15. Number of academic support staff (technical) and administrative staff (sanctioned, filled and actual): Temporary Staff: 2
- 16. Research thrust areas as recognized by major funding agencies:
 - Water pollution monitoring
 - Air pollution monitoring
 - Advanced oxidation processes
 - Environmental and biological application of mass spectrometry
 - Nanoscience and nanotechnology
 - Membrane science and technology
 - Phytochemistry & Natural Product Research
 - Bioremediation
 - Environmental biotechnology
 - X-ray crystallography
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Nil

- 18. Inter-institutional collaborative projects and associated grants received:
 - a. National collaboration
 - National Centre of Free Radical Research, Pune
 - National Center for Ultrafast Processes, Chennai
 - Bhabha Atomic Research Centre, Mumbai
 - b. International collaboration
 - California Institute of Technology, USA
 - University of Paris East Marne-la-valee, France
 - Pohang University of Science and Technology, Korea

The above are collaborative programmes where financial support is being extended from the respective institutions, but not as specific funding.



19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

• DST (SAIF) Rs. 6.5 crores, (sanctioned); Rs. 2 Crores (Received)

20. Research facility / centre with

- State recognition
- National recognition
- International recognition

No recognition yet; but planning to apply for National recognition

21. Special research laboratories sponsored by / created by industry or corporate Bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	307
2.	Monographs	Nil
3.	Conference Proceedings	100
4.	Chapters in Books	3
5.	Edited Books	13
6.	Books authored with ISBN	8
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
9.	Total	431

- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index range / average
- SNIP
- SJR
- Impact Factor range / average : 1-7
- h-index : 20 (Prof. C. T. Aravindakumar)

21 (Dr. G. Anilkumar)

78 (Prof. Sabu Thomas),

11 (Dr. Nandakumar Kalarikkal)

14 (Dr. E.V. Ramasamy)



23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated :

The Center provides advanced analytical instrumental facility which is accessible to the academic/research community in the country. The beneficiaries include the various research organizations, state/central universities and colleges. The Center generates income from the analysis (LC-Q-ToF-MS, FTIR, HPLC, UV-visible spectrophotometer).

` `		1 1
Sl. No	Year	Income (₹) in Lakhs
1	2013	0.22
2	2014	1.24
3	2015	2.33
4	2016	1.67
	Total	5.46

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Sl. No.	Name of the faculty	Laboratory/ Research area	
	Dr. C.T. Aravindakumar	(1) University of Paris (S) / Pulse radiolysis, 2011 &, 2012	
		(2) Norwegian University of Science and Technology, Trondheim, Norway / Membrane Science, 2012	
		(3) University of Paris (East, MIV) 2013 & 2015 / Advanced oxidation Process	
1		(4) Technical University of Denmark, Denmark 2015 / Membrane science	
		(5) Hanoi University of Science & Technology, Vietnam, 2013/ Water purification technology	
		(6) King Mongkut's University of Technology Thonburi, Thailand, .2012 / Water purification	
		(7) University of Copenhagen 2015 / Mass spectrometry	



26. Faculty serving in:

a. National committees

Sl.No	Name of the faculty	Committee
		Expert Panel of the Water Technology
		<i>Initiative (WTI)</i> of the Department of Science
		& Technology, Govt. of India-2015-2019
		Antarctic Selection Committee – 2016
		Arctic selection committee - 2015
		Group leader in Environmental Science,
1	Dr. C.T. Aravindakumar	Polar science policy deduction for Ministry
		of Earth Science, 2016
		Member and Secretary: Society of
		Environmental Chemistry and Allied
		Sciences
		Member: Indian Society of Radiation and
		Photochemical Sciences
2	Prof. N. V. Unnikrishnan	Indian Laser Association (Life member)
1	1 101. IV. V. Olimkiisiillali	Resource group (Shasthra poshini)
		Member of Indian Membrane Society
		Member of Polymer Society of India
		Member of Society of Disordered Materials
3		Member of Society of Polymer
	Prof. Sabu Thomas	Technologists, University of Cochin
	1101. Sabu Hioilias	Member of Mahatma Gandhi University
		Chemical Society
4	Prof. G. Sudarshanakumar	Life Member of Indian Crystallographic
T	F101. G. Sudaishanakumar	Association (2005-)

b. International committees

Sl. No.	Name of the faculty	Committee
1	Dr. C.T. Aravindakumar	Oslo Governance Forum (UNDP 2012),
1	DI. C.1. Aravındakuman	Norway
2	Prof. N. V. Unnikrishnan	American chemical society- St.Columbus,
	Pioi. N. V. Ollinkrisillali	USA
		(1)Member of American Chemical Society
3	Prof. Sabu Thomas	(Rubber Division), (2) Fellow of New York
		Academy of Sciences, USA
		Member of the American Chemical Society,
		USA (2016-)
1	Prof. G. Sudarshanakumar	Member of the American Crystallographic
4	Prof. G. Sudarshanakumar	Association, USA (1998-2001)
		Member of the Institute of Physics, USA
		(1998-2001)

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c. Editorial Boards

Sl. No.	Name of the faculty	Journal	
1	Dr. C.T. Aravindakumar	International Journal of Chemistry (ISSN: 2249-2119)	
2.	Dr. Radhakrishnan E.	Journal of Food & Industrial Microbiology	
۷.	K.	International Journal of Advanced Research and Review	
		SM Journal of Nanotechnology and Nanomedicine	
		 Nano Advances Materials Science and Engineering (Editorial Key Reviewers Committee) 	
3.	Prof. Sabu Thomas	 International Journal of Advances In Engineering Research World Journal of Biotechnology Journal of Emerging Materials Technology Associate Editor, Bulletin of Materials Science Regional Editor of the journal "Current Smart Materials". 	
		Editor in-Chief of Editorial Board-International Journal of Science World (IJSW)	

d. Any other

	in this other				
Sl. No.	Name of the faculty	Committee			
		Governing Council and Executive Committee of			
		Institute of Climate Change, Govt of Kerala			
1	Dr. C.T. Aravindakumar	High power committee, SAIF, Cusat-Cochin			
1	Di. C.I. Aravilluakulllal	Member Board of Studies- Department of			
		Environmental Studies, CUSAT, Kochi			
2	Dr. E.V. Ramasamy	Member, Technical Committee, Suchithwa Mission,			
	Dr. E. V. Kaillasalliy	Government of Kerala			
		Board of studies for Microbiology, Kerala University			
3	Dr. Radhakrishnan E. K.	Board of studies for Microbiology, SB College,			
		Changanassery			
4	Prof. N. V. Unnikrishnan	High power committee, SAIF, Cusat-Cochin			
		Member, Board of Studies – Physics, C.M.S.College,			
	Prof. G. Sudarshanakumar	Kottayam			
		Member Board of Studies- Department of Physics,			
		CUSAT, Kochi.			
5		Member Board of Studies- Department of			
3		Instrumentation, CUSAT, Kochi.			
		Chairman, BOS 2014(MSc, MPhil), SPAP, M. G.			
		University, Kottayam			
		Member Board of Studies- Subject Expert, S.B.College,			
		Changanassery.			



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): Nil

28. Student projects:

- Percentage of students who have done in-house projects including interdepartmental projects: NA
- Percentage of students doing projects in collaboration with other universities / industry / institute: NA

29. Awards / recognitions received at the national and international level by

• Faculty

A	Research awards received by the faculty		
	Invited member of the Oslo Governance Forum (OGF), Oslo (UNDP) 2011		
	Visiting Professor (with full Professor status) at the University of Paris-East (Department of Geology and Environment) 2013		
	Visiting Professor at the University of Paris-East with full professor status, 2015		
Dr.C.T. Aravindakumar	• Team Leader in Environmental Science to formulate the research policy of the Ministry of Earth Science in India's Polar Research (Arctic/Antarctic/Southern Ocean/Himalaya) for the next 10 years. The Brainstorming Meeting on Polar Sciences and Global Water Cycle was held at the National Center for Antarctic and Ocean Research (NCAOR), Goa during April 13-14, 2016.		
	Governing Council member and Executive Committee member of the Kerala State Institute of Climate Change Studies-2014		
	• Expert for identifying research proposals for the India's 36th Antarctic Expedition 2016. The workshop was held during June 9-10, 2016		
	Expert Panel of the Water Technology Initiative (WTI) of the Department of Science & Technology, Govt. of India 2015		
Dr.E. V. Ramasamy	Member of the State Waste Management Policy Committee by the Local Self Government Department, Govt. of Kerala (November 14, 2012)		
	Member of the Special Board of Studies in Pollution Control and Environmental Engineering of Pondicherry University (October 26, 2012)		



Member of the State Waste Management Policy Committee by the Local Self Government Department, Govt. of Kerala, attended several meetings of the committee during 2014-15
Member of the Technical Committee of Suchitwa Mission , Local Self Government Department, Govt. of Kerala , attended several meetings of the committee during 2014-15
 Participation in the selection committee meeting of the CWRDM (Centre for Water Resources Development and Management), Kozhikode as a subject expert in the interview board for the selection of Scientist-B during July 02- 03, 2015.
Participation as the member of Board of Studies for the B. Voc. Programme on Environmental Assessment and Remediation on Monday the 14th September, 2015, at Virudhunagar Hindu Nadars'; Senthikumara Nadar College, (Autonomous), Virudhunagar, Tamil Nadu.
 Participation in the Technical Committee meeting for evaluating the technical presentations of the organisations who have short listed for New Technologies on 28.11.2015 at 10.30 A.M onwards at the Office of State Institute of Health and Family Welfare, Thycaud, Thiruvananthapuram, organised by Suchitwa Mission, Local Self Governance Department (LSGD), Govt. of Kerala
Honoured presentation of "Bharat Gaurav Award" by India International Friendship Society, May 2016.
 Distinguished Professorship Award, Josef Stefan Institute, Slovenia,2010 Fellow of the Royal Society of Chemistry, London, FRSC,2012 Awarded Bronze Medal of Chemical Research Society (CRSI) of India, 2013 Awarded Materials Research Society of India Award (MRSI), 2013 Awarded Society For Educational & Scientific Research. (SESR) Nanotock Scientist Award, 2014
 (SESR) Nanotech Scientist Award- 2014, Awarded Doctorat Honoris causa-LIMATB, University of South Brittany, France 2015
 Visiting Fellow, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India Visiting Professor, Gulbarga University, Gulbarga, Karnataka under SAP scheme of UGC Visiting Professor, Alemaya University & Mekkele University, Ethiopia



	Conference Fellowship Award of the Seventh International Conference on Phonon Scattering in Condensed Matter held at Cornell University, USA	
В	Research awards received by the students	
Doctoral / Post- doctoral fellows	Jisha C, Muneer Muhammed, U. K. Aravind and C. T. Aravindakumar, Transport studies of lysine through CHI/PSS multilayers, Proceeding of the International conference on Nano -biomaterials, Kottayam, 2014 (best paper)	

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any:

Sl. No.	Name of the conference/workshop	Funding agency	Details of outstanding participants
1.	National Workshop on Frontiers of Spectroscopy and Microscopy, Sept 10-12, 2012	DST- PURSE	 Prof. K.V.Ramanathan, IISc, Bangalore (NMR Spectroscopy) Dr. Venkat Manohar, IICMS, Chennai (MS- Proteomics) Dr. Unnikrishnan Warrier C. CWRDM, Calicut (Isotopes ratio - MS) Prof. P.M.G. Nambissan, SINP, Kolkata (Positron Annihilation)
2.	National Seminar on "Uptrends in Chemical Sciences and Technology"- 2013 March 15-16, 2013	UGC	 Dr. T. Pradeep, IIT Chennai Prof. A. Ajayaghosh, CSIR- O Scientist & Dean, Academy of Scientific And Innovative Research, Niist, Trivandrum Prof. Santhanu Bhattacharya, IISC, Bangalore Prof. A.K. Mishra, IIT Chennai Dr. Y.S. Mayya, BARC, Mumbai
3.	National Workshop on Mass Spectrometry Sept. 5-6, 2013	DST	 Dr. M. Vairamani, SRM University Dr. Nagarjuna Nagaraj, Max- Planck-Institut für Biochemie, Germany Dr. K. P. Madhusudanan, Visiting Scientist, IUIC Dr. Gopal Vaidyanathan, Waters India Pvt. Ltd. Dr. Jitendra Kelkar, Shimadzu

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			 Analytical (India) Pvt. Ltd. Dr. Ajit Datar, Shimadzu Analytical (India) Pvt. Ltd. Mr. K. Mohan, Spinco Biotech Pvt Ltd. Mr. Vivek Dhyani, Agelent Technologies
4.	International Conference on Mass Spectrometry, ICMS- 2013 Sept. 6-9, 2013	KSCSTE, BRNS, CSIR, M. G. University	 Dr. Olivier Laprevote, Paris Descartes University, France Dr.Mahesh J. Kulkarni, National Chemical Laboratory, Pune, India Prof. Kentaro Yamaguchi, Tokushima Bunri University, Japan Dr.Venkateswarlu Panchagnula, National Chemical Laboratory, Pune Dr.R. Srinivas, National Center for Mass Spectrometry, India Dr. S. K. Gupta, Bhabha Atomic Research Centre, Mumbai, India Dr.Nagarjuna Nagaraj, Max-Planck-Institut für Biochemie, Germany
5.	National Colloquium on Mass Spectrometry, Chemical, Biological and Environmental applications Aug. 29-31, 2014	KSCSTE	 Dr. K. P. Madhusudanan, Visiting Scientist, IUIC, MGU Dr S.K. Raza, Institute of Pesticide Formulation Technology, Gurgaon Dr. M.V. Jagannadham, CSIR- CCMB, Hyderabad Dr. Abdul Jaleel K. A., RGCB, TVM), Dr. Thomas Biju Mathew, College of Agriculture, Vellayani, Thiruvananthapuram Dr. Prabhakar Sripadi, Indian Institute of Chemical Technology, Hyderabad Prof. Ramaswamy Babu Rajendran, Bharathidasan University, Tiruchirappalli
6.	International Conference on Advanced Oxidation Processes, AOP- 2014 Sept. 25-28, 2014	DST, KSCSTE, BRNS, ISRO	Dr. Michael R. Hoffmann, California Institute of Technology, USA



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			2. Prof. Mehmet A. Oturan, Universite Paris-Est, Marne-la- Vallee, France 3. Dr. Collin G. Joseph, Universiti Malaysia Sabah, MALAYSIA 4. Prof. D. Fatta-Kassinos, School of Engineering, University of Cyprus, Cyprus\ 5. Prof. Minjoong Yoon, Chungnam National University, Daejeon, South Korea 6. Dr. Renato Falcao Dantas, University of Campinas — UNICAMP, Paschoal Marmo, Limeira SP, Brazil 7. Dr. Christophe Colbeau- Justin, CNRS - Universite Paris- SudOrsay — France 8. Dr. Urška Lavrenčič Štangar, University of Nova Gorica , Nova Gorica, Slovenia 9. Dr. Randolph P. Thummel, University of Houston, USA 10. Dr. Vincent Goetz, Rambla de la Thermodynamique, Perpignan, France 11. Dr. Isabel Oller Alberola, Plataforma Solar de Almería- CIEMAT, Spain
7.	International Conference on Water, ICW-2015 Jan. 23-26, 2015	DST	 Dr. Indira Priyadarshini, BARC, Mumbai Prof. Mark R. Weisner, Duke University, USA. Prof. Yoram Oren, Zukerberg Institute for Water Research, Israel. Dr. Anne M. Hansen, Mexican Institute of Water Technology, Mexico. Dr. Martina Zelenakova, Technical University of Kosice, Slovakia. Prof. Matthews Theo F. A. Goosen, Alfaisal University, Saudi Arabia. Dr. Dayanthi Nugegoda, RMIT University, Australia.

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			 Dr. Tasuma Suzuki, Yamaguchi University, Japan. Dr. A. H. Essadki, Hassan II University, Morocco.
8.	National Workshop on Mass Spectrometry and Raman Microscopy, NWMR-2015 March 27-28, 2015	M.G. University	 Dr. S. Prabhakar, Senior Scientist, IICT, Hyderabad Mr. Arghya Acharjee, Senior Application specialist, Waters India Pvt. Ltd. Dr. Murali Chilakapati, Advanced Center for Treatment, Research & Education in Cancer (ACTREC), Kharghar, Mumbai Mr. Hitesh Mamgain, Application Scientist, Toshniwal Bros (SR) Pvt. Ltd.
9.	Third International Conference on Membranes, ICM-2015 Aug. 21-24, 2015	DRDO	 Prof. Y. Oren, Zuckerberg Institute for Water Research, Israel Prof. Vladimir Teplyakov, Russian Academy of Sciences, Russia Prof. Andreas Kaiser, Technical University of Denmark, Denmark Dr. Thomas Luxbacher, Anton Paar GmbH, Austria Dr. Nobuo Hara, AIST, Japan Dr. Mikihiro Nomura, Shibaura Institute of Technology, Japan Dr. Sébastien Balme, Institut Européen des Membranes, France Dr. Sylvie Condom, Institut Europeen des Membranes de Montpellier, France Dr. G. Golemme, University of Calabria, Italy Dr. Joëlle Bassil, Universitéde Lorraine, France Dr. Hassini Noureddine, University of Oran, Algeria
10.	National Workshop on Mass Spectrometry (NWMS- 2015), Dec. 10-11, 2015	M. G. University	 Dr. M. Vairamani, SRM University, Chennai Dr. K. Madhusudanan, IUIC, M. G. University Dr. R. Srinivas, National Center for Mass Spectrometry, CSIR- IICT, Hyderabad



4. Prof. Athula Attygalle, Stevens Institute of Technology, USA. 1. Dr. Marc J-F Suter, Eawag, Switzerland 2. Prof. Athula Attygalle, Stevens Institute of Technology, USA 3. Dr. R. Srinivas, National Center for Mass Spectrometry, India 4. Dr. Keshava Prasad, Institute of Bioinformatics, India 5. Prof. Olivier Laprevote, Paris Descartes University, France 6. Prof. Evgeny Nikolaev, The Institute for Energy Problems of Chemical Physics Russian Academy of Sciences, Russia 7. Dr. Suman S. Thakur, Centre for Cellular & Molecular Biology, Hyderabad 8. Dr. Laurent Debrauwer, Universite de Toulouse, France 9. Dr. M. Joseph, Indira Gandhi Centre for Atomic Research, Kalpakkam 10. Dr. Pierangela Palma, Università di Urbino, Italy 11. Dr. Achilles Cappiello, Università di Urbino, Italy 12. Prof. Michael W. Linscheid, Humboldt-Universitat zu				
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Dec. 11-14, 2015 Biology, Hyderabad 8. Dr. Laurent Debrauwer, Universitè de Toulouse, France 9. Dr. M. Joseph, Indira Gandhi Centre for Atomic Research, Kalpakkam 10. Dr. Pierangela Palma, Università di Urbino, Italy 11. Dr. Achilles Cappiello, Università di Urbino, Italy 12. Prof. Michael W. Linscheid,	11.	1 7	,	7. Dr. Suman S. Thakur , Centre
8. Dr. Laurent Debrauwer , Universitè de Toulouse, France 9. Dr. M. Joseph , Indira Gandhi Centre for Atomic Research, Kalpakkam 10. Dr. Pierangela Palma , Università di Urbino, Italy 11. Dr. Achilles Cappiello , Università di Urbino, Italy 12. Prof. Michael W. Linscheid ,			DRDO	for Cellular & Molecular
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9. Dr. M. Joseph , Indira Gandhi Centre for Atomic Research, Kalpakkam 10. Dr. Pierangela Palma , Università di Urbino, Italy 11. Dr. Achilles Cappiello , Università di Urbino, Italy 12. Prof. Michael W. Linscheid ,				8. Dr. Laurent Debrauwer,
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10. Dr. Pierangela Palma , Università di Urbino, Italy 11. Dr. Achilles Cappiello , Università di Urbino, Italy 12. Prof. Michael W. Linscheid ,				Centre for Atomic Research,
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Università di Urbino, Italy 12. Prof. Michael W. Linscheid ,				Università di Urbino, Italy
12. Prof. Michael W. Linscheid,				11. Dr. Achilles Cappiello,
				Università di Urbino, Italy
Humboldt-Universitaet zu				
				Humboldt-Universitaet zu
Berlin, Germany				Berlin, Germany

31. Code of ethics for research followed by the departments:

(1) Plagiarism will be assessed before thesis submission (2) The guidelines of the ethical committee of the University are being strictly followed (e.g. Animal Ethical Committee for all kind of research related to living organisms)

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
(refer to question no. 4)	receiveu	Male	Female	Male	Female
Ph.D.	Direct entry after clearing JRF and MPhil		2		Not completed



33. Diversity of students:

Name of the	% of	% of students	% of students	% of
Programme	students	from other	from	students
(refer to	from the	universities	universities	from
question no. 4)	same	within the	outside the	other
	university	State	State	countries
		100		

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

35. Student progression : Not applicable

36. Diversity of staff:

Percentage of faculty who are graduates		
of the same university	Nil	
from other universities within the State	50%	
from universities from other States	50%	
from universities outside the country	Nil	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

a. Library: 70 books

b. Internet facilities for staff and students: Complete

c. Total number of class rooms: Nild. Class rooms with ICT facility: Nil

e. Students' laboratories : 5f. Research laboratories: 5

39. List of doctoral, post-doctoral students and Research Associates:

- a. from the host institution/university: Dr. Baburaj M. S. (2010-2015), Dr. Krishnaraj K.U. (2012-2015) (Post-doctoral)
- b. from other institutions/universities: Jisha C., Reena P. S. (Doctoral Students), Dr. Jinu John (2012-2015) (Post-doctoral)

40. Number of post graduate students getting financial assistance from the university: Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. All new programmes were started after having a thorough feedback from all stakeholders



42. Does the department obtain feedback from

- i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Not applicable
- ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: Not applicable
- iii. Alumni and employers on the programmes offered and how does the department utilize the feedback: Not applicable

43. List the distinguished alumni of the department (maximum 10): Nil

44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving external experts:

There are periodic workshops and training programmes organized by this centre. Special lectures from many visiting scholars from India and abroad were organized.

Sl. No.	Name of the conference/workshop	Details of External Experts
1	Short term training programme in analytical instrumentation, May 13-15, 2013 (HPLC, GC, FT-IR, IC)	In house faculty members
2	National Workshop on Mass Spectrometry, Sept. 5-6, 2013	 Dr. M. Vairamani, SRM University Dr. Nagarjuna Nagaraj, Max-Planck-Institut für Biochemie, Germany Dr. K. P. Madhusudanan, Visiting Scientist, IUIC Dr. Gopal Vaidyanathan, Waters India Pvt. Ltd. Dr. Jitendra Kelkar, Shimadzu Analytical (India) Pvt. Ltd. Dr. Ajit Datar, Shimadzu Analytical (India) Pvt. Ltd. Mr. K. Mohan, Spinco Biotech Pvt Ltd. Mr. Vivek Dhyani, Agelent Technologies
3	National Seminar on Recent Advances in Photochemistry, Dec. 5-6, 2013	In collaboration with St-Michaels college, chertala
4	National Seminar on "Uptrends in Chemical Sciences and Technology", March 15-16, 2014	 Dr. T. Pradeep, IIT Chennai Prof. A. Ajayaghosh, CSIR- O Scientist & Dean, Academy of Scientific And Innovative Research, Niist, Trivandrum



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		3. Prof. Santhanu Bhattacharya, IISc,
		Bangalore
		4. Prof. A.K. Mishra, IIT Chennai
		5. Dr. Y.S. Mayya, BARC, Mumbai
		1. Dr. K. P. Madhusudanan , Visiting
		Scientist, IUIC, MGU
		2. Dr S.K. Raza , Institute of Pesticide
		Formulation Technology, Gurgaon
		3. Dr. M.V. Jagannadham , CSIR-
	N. J.C. II.	CCMB, Hyderabad
_	National Colloquium on Mass	4. Dr. Abdul Jaleel K. A. , RGCB, TVM),
5	Spectrometry, Chemical,	5. Dr. Thomas Biju Mathew , College of
	Biological and Environmental	Agriculture, Vellayani,
	applications, Aug. 29-31, 2014	Thiruvananthapuram
		6. Dr. Prabhakar Sripadi , Indian Institute
		of Chemical Technology, Hyderabad
		7. Prof. Ramaswamy Babu Rajendran,
		Bharathidasan University,
		Tiruchirappalli
		1. Dr. S. Prabhakar , Senior Scientist,
		IICT, Hyderabad
	National Workshop on Mass Spectrometry and Raman Microscopy (NWMR), March 27- 28, 2015	2. Mr. Arghya Acharjee, Senior
		Application specialist, Waters India Pvt.
		Ltd.
6		3. Dr. Murali Chilakapati , Advanced
		Center for Treatment, Research &
		Education in Cancer (ACTREC),
		Kharghar, Mumbai
		4. Mr. Hitesh Mamgain, Application
		Scientist, Toshniwal Bros (SR) Pvt. Ltd.
		1. Dr. M. Vairamani , SRM University,
		Chennai
		2. Dr. K. Madhusudanan , IUIC, M. G.
		University
7	National Workshop on Mass	3. Dr. R. Srinivas , National Center for
'	National Workshop on Mass	Mass Spectrometry, CSIR-IICT,
	Spectrometry, Dec. 10-11, 2015	Hyderabad
		4. Prof. Athula Attygalle, Stevens
		Institute of Technology, USA



45. List the teaching methods adopted by the faculty for different programmes: Only Ph. D. programme.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

There are two mandates for the Centre (1) Advanced Level Research (2) Facility provider (sophisticated analytical equipment). There is a faculty council comprises of faculty members from all the disciplines. This faculty council regularly assesses the progress of the centre. In addition, there is an Executive Committee constituted by the University which oversees the entire functioning of the centre.

47. Highlight the participation of students and faculty in extension activities:

Consultancy service in chemical analysis. The analytical facility of the centre is being utilised by many research centres in the country on payment basis. The following are the number of users of this facility in the past

a. From Schools of M. G. University
b. From State/Central Universities
c. From NIT/IIT/IISER
d. From Research Centres
e. From Industry
146
293
27
54
1

48. Give details of "beyond syllabus scholarly activities" of the department:

Conduct of international conferences, workshops and short term training programmes.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

A number of research groups produced excellent publications utilizing the facilities of the Centre in very reputed journals. These publications are of both basic and applied in nature.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strength:

- State of the art facilities for advanced level research,
- Interdisciplinary nature of research,
- Involvement of researchers from all the Universities in the state,
- Support from both State Government and University,
- Excellent research output within a short span of 4 years

Weakness:

• Lack of sufficient manpower,

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- New UGC rule restricts intake of Ph.D students.
- Lack of enough space.
- Lack of enough publicity on the availability of instruments and service despite efforts through cyber publicity.
- Lack of permanent faculties restricts applications to many Departmental Projects (eg. FIST (DST), SARD (KSCSTE) etc.

Opportunities:

- Research in major inter disciplinary areas of science,
- Access to utilize the entire facilities of the centre by any researcher in the state.
- Man power training in advanced instrumentation,
- Possibility for young researchers to interact with experts from within and outside India,
- Facility for short term projects for post graduate students

Challenges:

- Strengthening the consultancy service with insufficient man power, particularly technical man power,
- Supply of continuous (24 hr) electricity to some of the major equipment against power failure, more involvement of faculties from research centres in affiliated colleges.
- Up keeping the instruments in full working condition
- Collection of data on users acknowledgements in publications

52. Future plans of the department:

- Resetting the centre in the new "Convergence Academy Complex".
- Centre of Excellence in Mass Spectrometry and Material Science.
- Accredited Laboratory for Food/beverage/water/air/soil testing.
- Procurement of more sophisticated analytical instruments.
- Certificate/diploma courses in analytical instrumentation.
- Online diploma in Analytical Instrumentation.



INTER UNIVERSITY CENTRE FOR SOCIAL SCIENCE RESEARCH AND EXTENSION IUCSSRE

1.	Name of the Department	:	Inter University Centre for Social Science Research and Extension (IUCSSRE)			
2.	Year of establishment	:	2010	2010		
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty	Yes, Faculty of Social Science		
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	Ph.D			
5.	Interdisciplinary programmes and departments involved	:	Nil			
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Nil			
7.	Details of programmes discontinued, if any, with reasons	:	Nil			
8.	Examination System	:	Nil			
9.	Participation of the department in the courses offered by other departments	:	Our PhD students have participated in training workshops and methodology courses offered by other social science institutions in India			
				Sanctioned	Filled	Actual(including CAS & MPS)
	Number of teaching posts, sanctioned, filled and actual		Professor	-	-	-
10.	(Professors/Associate Professors/Asst.	:	Associate Professors	-	-	-
	Professors/others)		Asst. Professors	-	-	-
			Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

Name	Qualification	Designation	_	No. of years of Experience	No. of Ph.D./ M.Phil. students guided for the last 6 years*
Dr. P Sanal Mohan	PhD	Hon. Director	History and Ethnography, Dalit Studies, Christianity, Modernity, Social Movement.	23 Yrs	·
Ms. Radhika P	M.Phil	Hon. Joint Director	Medieval social history , Kerala History, Social theory, Gender studies & Human geography	18 Yrs	
Dr. P Madhu	PhD		Social theory, Social praxis & Tribal studies	4 Yrs	
Ms. Mini Sukumar	M.Phil	Assistant Fellow	Women's studies	1 Yr	
Ms. Elizabeth Abraham	M.Phil	Research Fellow	Gender studies, Political Sciences Oral history & Caste studies	5 Yrs	
Ms. Susan Simon	M.Phil	Research Fellow	Human Geography	3 Yrs	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- Dr. Kavitha Philip
- Dr. Meera Velayudhan
- Dr. K V Kunhikrishnan

13. Percentage of classes taken by temporary faculty – programme-wise information: 90%

14. Programme-wise Student Teacher Ratio: 4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Sanctioned: 3

Filled: 2

Work arrangements: 1



- **16.** Research thrust areas as recognized by major funding agencies: Minority Studies, Gender Studies, Human Ecology and Human Geography
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: National -6 (ICSSR-1, Higher Education Council-5)

Sl No.	Project	Funding Agency	Amount in Lakhs(₹)
1.	Writing Dalit lives: Anthology of Women's Voices from Kerala	ICSSR, New Delhi	7.50
2.	Trans-formation of Land and Landscapes of Kerala: Locality Studies	Higher Education Council, GoK	
3.	Women's Struggle: A Documentation of Feminist Movement in Kerala	Higher Education Council, GoK	
4.	Traditional Healing in a 'Modern Society: A Study on Policy, Practices and Pedagogy of Selected Healing Traditions in Kerala	Higher Education Council, GoK	75.00
5.	Human Ecological Studies Of Indigenous Communities in the Southern Western Ghats	Higher Education Council, GoK	

Total grants received: ₹ 82.5 Lakhs

- 18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration: Nil, Writing workshops in collaboration with Kannur and Calicut University
 - b) International collaboration: Small maritime community project 'The Kerala Maritime Community Projects
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

20. Research facility / centre with

• State recognition : Yes



National recognition : Yes

• International recognition: Yes

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	7
2.	Monographs	Nil
3.	Conference Proceedings	0
4.	Chapters in Books	6
5.	Edited Books	Nil
6.	Books authored with ISBN	2
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	9
	Total	24

• Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):

• Citation Index: 27

- SNIP:
- SJR:
- Impact factor:
- H-index : 4
- **23.** Details of patents and income generated: Paid to University ₹ 56,000/- (ICSSR Project)
- **24. Areas of consultancy and income generated**: Functioning as Panchayath desk for consulting with the Local Self Government representatives.
- **25.** Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad: Dr. P Sanal Mohan has visited many national and international reputed institute

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify):
 - International committee: Dalit Literature and/in translation, International network



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): NA

28. Student projects:

- percentage of students who have done in-house projects including interdepartmental projects: 75 %
- percentage of students doing projects in collaboration with other universities
 / industry / institute Nil

29. Awards / recognitions received at the national and international level by

- Faculty 5 (one international Research award and 4 International Post Doc awards)
- Doctoral / Post-doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Sl No.	Year	Seminars/ Conferences/Workshops
1.		Two Gender Studies Workshops for research students.
		(one national level and one regional level)
2.		Two academic writing workshops
3.		Marma vaidhyam consultancy workshop in association
3.		with Kalady Sanskrit Universit
4.	2011-12	Panel discussion on science technology and society
5.		Panel discussion on science technology and society
6.		Two consultancy meetings with Kerala Grama
		Panchayath association
7.		Three day workshop for curriculum designing for elected
		members of the local self-governing bodies
8.		Two day seminar on local knowledge systems in
		association with ACESSD, M G University
9.		Two day Gender Studies Workshop for research students.
10.	2012-13	Two day Gender Studies Workshop for research students
11		National Seminar on 'New History' with the support of
11.		ICHR;
		Theme Discussion (1)
12.	2012 14	Five day Gender Studies Workshop for research students
13.	2013-14	Five day workshop on Political participation and
		women's development for members of the Local Self



		Government bodies
1.4		Five day workshop on Political participation and
14.		women's development for representative of local self-
	2014.15	governing bodies in February 2014 (17-21)
15.	2014-15	Three day workshop on development and panchayath
		programmes SCP/TSP in November 2014 (5-7).
16.		Three day workshop on social justice and women/
		panchayath jagratha samithies in December 2014.
17.		Five day Social Science Methodology Workshop,
18.		One day workshop on Clean Kumily Green Kumily
	2015-16	documentation project
19.		One day Manual Labourers workshop on Clean Kumily
		Green Kumily documentation project
20.		Three day Panchayath training programme
		Funded by the Government of Kerala (Grant)

31. Code of ethics for research followed by the departments:

The centre insists on following internationally recognized practices in creating original social science knowledge which include among others watching the monster of plagiarism and keeping away pirated versions of software etc. As far as plagiarism is concerned we are very much aware of the fact that in cases it is the inability of students to write on their own that creates the problem. Therefore the best remedy is not the final checking, though it is a powerful deterrent, but the most fundamental thing is to train students to read think and write. Our writings workshops were aimed at achieving this particular goal. We need to do a lot in this regard as our education system has a huge deficit in this particular are of creativity.

32. Student profile programme-wise:

Name of the			Selected	Pass p	percentage
Programme (refer to question no. 4)	Applications received	Male	Female	Male	Female
PhD	4	3	1	NA	NA
PhD	10	4	4	NA	NA

33. Diversity of students:

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PhD	100%	Nil	Nil	Nil



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

NET - 3

SET - 2

35. Student progression: NA

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	Nil
Employed	
Campus selection	
Other than campus recruitment	Nil
Entrepreneurs	
	Nil

36. Diversity of staff:

Percentage of faculty who are graduates				
of the same university	Nil			
from other universities within the State	80 %			
from universities from other States from	20%			
from universities from other States from				

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library 1474 Books
- b) Internet facilities for staff and students Provided
- c) Total number of class rooms Nil
- d) Class rooms with ICT facility Nil
- e) Students' laboratories Nil
- f) Research laboratories Computer Lab



39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university 12 PhD Students
- b) from other institutions/universities
- 40. Number of post graduate students getting financial assistance from the university: 1
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes. We assess the feasibility and future prospects of the programme before the development of new programmes.

42. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback : Nil
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback : Nil
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback: Nil
- 43. List the distinguished alumni of the department (maximum 10): NA
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
 - National Seminar : 1
 - Feminist/ Gender methodology National Workshop:4
 - Academic Writing Workshop: 3
 - Two day Workshop:1
 - One day Workshop :4
 - Panel Discussion :2
 - Project Workshops :8
 - Public Lectures:12
 - Colloquium:1
 - Theme Discussion :1
- 45. List the teaching methods adopted by the faculty for different programmes: Seminar presentations part of coursework for PhD students. The Faculty of IUCSSRE usually organizes reading group meetings and discuss the pre-circulated papers/ book chapters. We also organize periodic presentation by PhD students in which all researchers participate and discuss research problems. We also use web based materials for the course work as well as for regular reading.



- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored: Students are encouraged to attend methodology workshops to make them aware of the recent trends in theories and methodologies and provide them a platform for interaction with external experts and resource persons. The PhD students have to make a working progress presentation every six months. As part of the Course Work, PhD students have to write formal examinations. We make it mandatory for students to take special examinations in their respective areas of enquiry.
- **47. Highlight the participation of students and faculty in extension activities :** All the students and faculty of the Centre actively participate in the process of organizing and academically interacting in the extension activities of the Centre such as Panchayath Development activities for documentation
- **48. Give details of "beyond syllabus scholarly activities" of the department:** Most of the scholarly activities of the Centre are "beyond syllabus".

Our students participate in workshops and seminars organized by other ICSSR institutions and Universities in India. Similarly some students have participated/presented papers in Indian History Congress Annual Session, 2016 South Indian History Congress Annual session, 2017 as well as Kerala History Congress Annual Session, 2016. They also attend Erudite Lectures and other special academic events

- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: Nil
- **50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:** We have been engaged in praxis intervention research among marginalized communities, enabling research on everyday life. We have been conducting Gender Studies workshops for developing the research capacity of young researchers.
 - Sanal Mohan Published two books in 2015; Modernity of Slavery: Struggles Agaisnt Caste Inequality in Colonial Kerala, New Delhi: Oxford university Press, 2015, ISBN 0-19-809976-2
 - Viswasavum Vimochanavum: Kyppetta Habel, Tiruvalla: CSS,2015, ISBN 978-81-7821-693-5
 - Sanal Mohan, Creation of Social Space through Prayers among Dalits in Kerala in *Journal of Religious And Political Practice:* Special Issue:Prayer and Politics; Guest Editor; Peter van der Veer, Volume 2, Issue 1 February 2016, London: Routledge, ISSN: 2056-6093 (Print) 2056-6107 (Online) Journal homepage: http://www.tandfonline.com/loi/rfrp20
 - Creation of Social Space through Prayers among Dalits in Kerala in Prayer and Politics (ed) Peter van der Veer London, Routledge, 2017 ISBN-13: 978-1138289215



 Sanal Mohan, Emotions in the Context of Caste Slavery: Exploring the Missionary Writings on Kerala, in Studies in Humanities and Social Sciences, Vol. XXII, Number 2, Winter 2015, PP.34-54. IIAS Shimla ISBN-10: 1138289213

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Interdisciplinary research in Gender Studies, Praxis Intervention Research and Human Ecology and Human Geography
- The first Inter University Centre for Social Science Research in Kerala
- Academic contacts with other institutions in India and abroad

Weakness

- Shortage of Faculty
- Shortage of Space
- Unwanted bureaucratic delay

Opportunities

- We have lot of opportunities provided the centre is able to work without above mentioned hurdles.
- We had expression of interest regarding collaboration but we were reluctant to accept the offers.

52. Future plans of the department:

- Integration of other interdisciplinary themes with the current areas of research
- To initiate units Unit for Study of Social Exclusion, Unit for Social History, Unit for Policy Studies, Unit for Local Development Studies
- Integrating academic capability programmes and remedial teaching and research.



INTER UNIVERSITY CENTRE FOR STUDIES IN SCIENCE OF MUSIC (IUCSSM)

1.	Name of the Department	:	Inter University Centre for Studies In Science Of Music (IUCSSM)			
2.	Year of establishment	:	2012			
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty of Science			
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	Nil			
5.	Interdisciplinary programmes and departments involved	:	Steps are being initiated to carry out interdisciplinary research in the field of calibration of indigenous musical instruments and improvement of the quality of the instruments .The research activity includes the collaborative approach from various departments of the University			
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Nil			
7.	Details of programmes discontinued, if any, with reasons	:	Nil			
8.	Examination System	:	N.A			
9.	Participation of the department in the courses offered by other departments	:	Nil			
10.	Number of teaching	:		Sanctioned	Filled	Actual(including CAS & MPS)
	posts, sanctioned, filled		Professor	-	-	-
	and actual (Professors/Associate		Associate Professors	-	_	-
	Professors/Asst.		Asst.	-	_	-
	Professors/others)		Professors			
			Others	-	-	-



- 11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance: No permanent faculty
- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :

Sl No	Name	Visiting Fellows, adjunct faculty, emeritus professors		
1.	Dr. Jayachandran.K	Honorary Director		
2.	Prof. Dr.Sabu Thomas			
3.	Prof. Dr. Aravindkumar	Adjunct faculty		
4.	Prof.Dr.K.Indulekha			
5.	Dr. Nandakumar			
6.	Dr. Prakashkumar.B			
7.	Dr. Cyriac			
8.	Dr. Biju P.R			
9.	Prof Dr. James B Kinchen, Professor in Music, University of Wisconsin –Parkside	Visiting Fellows		
10.	Dr. Dileep Karanth, Department of Physics, University of Toledo, USA	Visiting Fellows		

- 13. Percentage of classes taken by temporary faculty programme-wise information: Nil
- 14. Programme-wise Student Teacher Ratio: Nil
- 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: Nil
- 16. Research thrust areas as recognized by major funding agencies:
 - Construction of research studio-one crore eighty five lakhs ,Government of Kerala
 - Calibration of indigenous musical instruments-Submitted to Government of Kerala
 - Scientific studies on the performance and working of musical instruments
 - Design of new strategies for the sound quality improvement of musical instruments
 - Initiating new scientific approaches in music therapy

Inter University Centre for Studies in Science of Music (IUCSSM) of Mahatma Gandhi University broadly aims at conduct of research to understand everything about music: it's basic structure; it's biological, emotional and psychological effect on humans and the brain; it's healing and altering potential; and its function in the evolutionary process. By learning more about music, we can learn more about ourselves. Music helps scientists understand complex functions of the brain and opens up treatments for patients who are recovering from strokes or suffering with Parkinson's. Research even suggests that music may alter the structure of the brain. Studies in the science of music are almost an unknown activity in Indian academia. At IUCSSM, the traditional and known approaches to studies in music have



been given a goby. This radical departure marks IUCSSM as the only one of its kind in this country. The centre serves as a platform for the convergence of experts from across the worlds that appreciates the larger import of such an interface and have made genuine attempts by exploring the scope of scientific understanding of music and its implications for common goods

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Proposal submitted before Kerala state Government-Establishment of a calibration facility for indigenous Musical instruments

Inter-institutional collaborative projects and associated grants received National collaboration

- A collaborative research project on Effect of Music on Embryonic Development-A study on Avian Model was successfully completed out at Dept. of Computational Biology & Bioinformatics
- Steps are being taken for collaboration with Kannur University and Rajive Gandhi Institute of Technology, Pambady for initiating research activities in science of music

b) International collaboration

Wisconsin University, USA has agreed to collaborate with IUCSSM an completion of the construction of research studio.

18. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

19. Financial assistance from State government for the construction of research studio

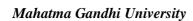
• Steps are being taken for initiating the construction for which Mou has already been signed with Kerala State Nirmithi Kendra. The primary objective of the centre in the last four months was to initiate the construction of the government sanctioned Research studio. After detailed discussions and negotiations in both technical committee and executive committee, the construction work of the research studio was entrusted with Kerala state Nirmithi Kendra in collaboration with Chitranjali studio, Trivandrum. A MoU in this respect was signed between the Registrar of Mahatma Gandhi University and Chief Engineer of Kerala state Nirmithi Kendra on 29 th March 2016.

20. Research facility / centre

Interuniversity Research centre for science of Music

Science of music has been included in the faculty of science and application will be invited for research in the coming academic year.

• State recognition –Steps are being initiated for collaborative work with Kannur University,





- National recognition- Nil
- International recognition -On completion of research studio new initiatives with Wisconsin university will be started

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

- Monographs: Nil
- Edited Books: Nil
- Publications as Chapters in Books : Nil
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index range / average : Nil
- SNIP : Nil
- SJR: Nil
- Impact Factor range : Nil
- average h-index: Nil
- 23. Details of patents and income generated : Nil
- 24. Areas of consultancy and income generated: NA
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil

26. Faculty serving in

- a)National committees b) International committees c) Editorial Boards d) any other
- b)(please specify) : Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- One day workshop on classical music appreciation and Veena-Venu-Violin Concert was organized in association with Saakhya Village & CMS College, Kottayam on 18/12/2012, Tuesday. Lecture Demonstrations were given by eminent flutist Dr. P Padmesh, Vocalist Sri. K Veeramoney and Vainika Sri. V Soundararajan. The performance was scientifically analyzed by Dr. James, KN, Cochin University of Science and Technology
- Violin maestro Smt N Rajam presented a concert in the seminar hall of School of Environmental Sciences on 07/06/2014 which was analyzed scientifically during the performance



 A seminar on science of music Mathematical analysis of swaras in an octave-A talk by G S Paul on 30 th March 2016 was arranged along with demonstration and performance of Kudukka veena by Kavil Unnikrishna Varrier.

28. Student projects

Percentage of students who have done in-house projects including inter-departmental projects: NA

Percentage of students doing projects in collaboration with other universities / industry / institute : NA

29. Awards / recognitions received at the national and international level by

Faculty: Nil

Doctoral / Post-doctoral fellows: Nil

Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- ❖ International Seminar on Science of Music (ISSM) 2015 (25th − 27th Sept 2015) A confluence of scientists, scholars, researchers and students cutting across geographical boundaries sharing their knowledge, understanding about a subject which has rarely been deliberated in the country.
 - ➤ Prof (Dr) James B Kinchen (Jr), Professor of Music, University of Wisconsin Parkside and a team of sixteen choral performers participated in the Seminar organized by the centre at three as Erudite Scholar in Residence.
 - ➤ Dr. Dileep Karanth, Department of Physics, University of Toledo, USA also delivered key note address as Erudite Scholar in Residence.
 - > Several key speakers, researchers, academicians and musicians participated in the seminar and presented papers on versatile topics

***** Exhibition of Musical Instruments

- A mind blogging variety of musical instruments was on display at the exhibition taking the visitor on a journey detailing the history, character and manufacturing process of each instrument.
- ➤ Lending meaning and depth to it all were demonstrations on the making of selected musical instruments and performances with these. More than 600 musical instruments were displayed.

❖ National Inter University Music Fest 2015

- A competitive event with prize money for the winners, featuring young talents who have amply displayed their artistry in national youth festivals and represent the sheer musical diversity of the country.
- The fest showcased how music was achieved on national integration.

Cultural Events (Concerts)



➤ Cultural events highlighting India's rich musical heritage lending colour and charm to ISSM 2015 and living up to its focus on the science of music enriched the proceedings from day one.



31. Code of ethics for research followed by the departments:

Research programme in the Centre shall be initiated soon. The centre has been supporting research in science of music through centre in other universities like Kerala and Kannur. Care is taken to check plagiarism and also to ensure the involvement of the contributing musician.

- 32. Student profile programme-wise: NA
- 33. Diversity of students- NA
- 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil
- 35. Student progression- Nil
- **36. Diversity of staff-** Nil
- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil
- 38. Present details of departmental infrastructural facilities

As an Interuniversity centre the facilities in other science departments can be used once research programme is initiated

- 39. List of doctoral, post-doctoral students and Research Associates-Nil
- **40.** Number of post graduate students getting financial assistance from the university: Nil



41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The centre has been supporting research activities in centre of other universities and is about to start its own research initiatives. The need to establish a research centre in science of music is consistently demanded by many musicians and music instrument performers. More than those studies on science of music is never being attempted in a serious way. Hence the initiatives taken by the centre is novel and sure to contribute to the field of science.

42. Does the department obtain feedback -NA

43. List the distinguished alumni of the department (maximum 10): Nil

44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving external experts:

Sl No.	Programmes	Date
1.	Live demonstration and lecture by Dr. Umayalpuram K Sivaraman and Dr. D Naresh on Sound and Science: measure for measure. Lectures were also delivered by Dr. Suvarna Nalappattu, Dr. Achuth Sankar S Nair and Sri. Thiruvizha Jayasankar	24/04/2012
2.	Talk delivered by Dr. Suneesh George, Franhaufer Institute of Integrated Circuits on Audio Quality Evaluation.	8/06/2012
3.	A lecture demonstration on Acoustic Study on Veena by Veena Maestro Prof Puthukkottai R Krishnamurthi was conducted at CMS College, Kottayam. Lecture Demonstrations were given by eminent flutist Dr. P Padmesh, Vocalist Sri. K Veeramoney and Vainika Sri. V Soundararajan. The performance was scientifically analyzed by Dr. James, KN, Cochin University of Science and Technology	18/12/2012
4.	A lecture demonstration was conducted by Dr. Pradeep Somasundaram, Princial, College of Applied Science, Vadakkancherry, Palakkad on in the seminar hall of School of Pure and Applied Physics	08/03/2013
5.	Violin maestro Smt N Rajam presented a concert in the seminar hall of School of Environmental Sciences	07/06/2014
6.	A seminar on science of music Mathematical analysis of swaras in an octave-A talk by G S Paul on was arranged along with demonstration and performance of Kudukka veena by Kavil Unnikrihna Varier	30 /03/2016



- 45. List the teaching methods adopted by the faculty for different programmes: NA
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? NA
- 47 Highlight the participation of students and faculty in extension activities. NA
- 48. Give details of "beyond syllabus scholarly activities" of the department. NA
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.: No
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The interuniversity centre for the studies in science of music is meant to be a convergence platform for blending every branch of knowledge with the science of music. The objective has been realized in large measure, considering the relatively recent inception of the centre in 2012. Many successful programme like Swathi Sudha and Sasthiya Sangeetha Aswadan. However the major event hosted by the centre was "Nadam 2015" which was really an international ensemble on the science of music. Nadam 2015 was a grant international event involving the participation of many national and international delegates. The event includes Musical instruments exhibition, Demonstration of making of musical instruments and mainly, the international seminar on science of music. The exhibition event was inaugurated by the then Honourable Minister Sri. Thiruvanchoor Radhakrishnan.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strength:

- First of this kind in the state, may be in the country- Good support from various sectors
- Support from all Science Departments and Music Departments in various Universities in Kerala
- Collaboration with University of Kerala, CUSAT, PES University, Bangalore and University of Wisconsin-Parkside
- Intellectual capital developed during Nadam 2015 the International ensemble on Science of Music
- Even though we are studying the Science of Music, the music is taken to common man at the aesthetic level while studying scientifically

Weakness:

- Lack of experienced faculty members who are well versed in Science of Music
- Lack of space and infrastructure
- Lack of manpower in the centre
- Lack of a comprehensive structure- rules/regulations of research etc for the Inter University Centre

Opportunities:

- The Centre is planning to start Ph D programme in various scientific areas related to Music
- Scope for scientifically exploring the making of indigenous musical instruments
- Short term courses in conservation of technology and science behind the making of indigenous musical instruments of the state and the nation



Challenges:

- The area of Science of music is excellent- Bringing convergence-Bringing talented/ interested scientists/musicians to a single platform is absolutely challenging
- Bringing more scientists into the stream
- Establishing the research studio within one year and thereafter managing it
- To tap funds from the funding agencies to establish a research lab

52. Future plans of the department.

- To establish a research studio that can facilitate various research activities and recordings of international standards
- To collaborate with international organizations in the field of 'Science of Music'
- To promote innovative ideas (Scientific, technological and aesthetic aspects) in science of Music
- To conduct and support research in all possible areas in 'Science of Music
- To conduct short term courses in Indian music, western music and also in various scientific aspects of the same.
- Research proposals are to be invited from interested groups and institutes and the Centre shall provide financial assistance to them, if found eligible
- To initiate a University Multi Media Research Centre (UMMRC) to facilitate better recording, storage and analyze new knowledge generated in various branches of academics and also to provide fast, extensive and promising transmission of new information generated

ADVANCED MOLECULAR MATERIALS RESEARCH CENTRE (AMMRC)

	C	121	VIKE (AIV	ivii(C)			
1.	Name of the Department	:	Advanced Molecular Materials Research Centre (AMMRC)				
2.	Year of establishment	:	November 20	012			
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Ph.D pr 1. Faculty of 2. Faculty of	Engineering a			
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	Ph. D				
5.	Interdisciplinary programmes and departments involved	:	Teachers from various science departments of the university and affiliated colleges are associated with the centre as Adjunct Faculties (For details see Item No.12). The research programmes are highly interdisciplinary.				
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Ph. D				
7.	Details of programmes discontinued, if any, with reasons	:	Nil				
8.	Examination System	:	N.A				
9.	Participation of the department in the courses offered by other departments	:	Research scholars of AMMRC doing Ph.D course work at School of chemical Sciences				
10.	Number of teaching posts, sanctioned, filled			Sanctioned	Filled	Actual(including CAS & MPS)	
	and actual (Professors/Associate Professors/Asst. Professors/others)	:	Professor Associate Professors	Nil Nil	Nil Nil	Nil Nil	
	1 101055015/0the15/	•	Asst. Professors	Nil	Nil	Nil	
			Others	Nil	Nil	Nil	
1			No permanent teaching faculties in AMMRC				



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualific ation	Designation	Specialisa tion	No. of Years of Experience	No. of Ph.D./ M.Phil./M.Sc students guided (last 4 years)
Prof. Suresh Mathew	MSc., Ph.D	Professor, and Adjunct Faculty	Inorganic chemistry	20 years	Ph. D-0 M.Phil-3 M.Sc3
Dr. S. Anas	MSc., B.Ed., Ph.D	Hon. Director & Adjunct faculty	Polymer/ Organic chemistry	6 years	Ph. D-0 M.Phil-1 M.Sc-8

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Sl.		Visiting Fellows/	
No	Name	Adjunct faculty/	Specialization
		Emeritus professors	
1.	Dr P.Radhakrishnan Nair	Visiting Professor &	Polymers & propellants
		Adjunct faculty	
2.	Prof.A.S. Padmanabhan,	Adjunct faculty	Theoretical modeling
	SCS, MGU		
3.	Prof. M. Padmanabhan	Adjunct faculty	Inorganic chemistry
	SCS, MGU		
4.	Dr. P.R.Biju.	Adjunct faculty	Physics
	SPAP, MGU		
5.	Dr. Linu Mathew	Adjunct faculty	Biosciences
	SBS, MGU		
6.	Dr. Thomas Varghese	Adjunct faculty	Inorganic chemistry
	Nirmala College,		
	Moovattupuzha		
7.	Dr. Vibin Thomas	Adjunct faculty	Computational Chemistry
	CMS College, Kottayam		
8.	Dr. G.Anilkumar	Adjunct faculty	Organic chemistry
	SCS, MGU	-	_
9.	Dr. Sunish K. S.	Adjunct faculty	Opto-electronic materials
	CMS College, Kottayam	-	

13. Percentage of classes taken by temporary faculty – programme-wise information: Not Applicable

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
Ph.D	4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled and actual
Technical	Nil	Nil
Administrative Staff	Nil	1 (contract)

16. Research thrust areas as recognized by major funding agencies:

Photocatalysis, Metal Organic Frame work solids, Nanofluids and High energetic materials

17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

a) National

Sl. No	Project Title	Period	Funding agencies	Total Fund (₹ in lakhs)
1.	"Propellant Burn rate modifiers (PI: Prof. Suresh Mathew, Co-PI: Dr. P. Radhakrishnan Nair)	2016-18	ISRO	19.20

b) International

Sl. No	Project Title	Period	Funding agencies	Total Fund (₹)
1	"Study of fundamental Chemical and Physical properties of magnetic ionic liquid nanofluids". collaboration with Department of Physics, Rzeszow University of Technology, Poland (PI: Prof. Suresh Mathew)	2015-17	DST, Govt. of India &	5.10

Total grants received: ₹ 24.30 Lakhs

- 18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration: Nil
 - b) International collaboration: Nil
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

• State recognition: Yes

• National recognition: Yes



• International recognition: Yes

21. Special research laboratories sponsored by/created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	10
2.	Monographs	Nil
3.	Conference Proceedings	Nil
4.	Chapters in Books	Nil
5.	Edited Books	Nil
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
9.	Total	10

- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.) Nil
- Citation Index range / average 373
- SNIP Nil
- SJR Nil
- Impact Factor range / average 2to 4.5
- h-index 10 (Present)
- 23. Details of patents and income generated: Nil
- 24. Areas of consultancy and income generated: Nil
- 25. Faculty selected nationally / internationally to visit other laboratories/institutions/industries in India and abroad:

Sl. No.	Name of the faculty	Laboratory					
1.	Dr.Suresh Mathew	1.	Adjunct	faculty	visited	Resezdow	University,
			Poland in	n connect	ion with	the joint pro	ject in 2015
			October				

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any



other (please specify)

- a) National committees Nil
- b) International committees Nil
- c) Editorial Boards

Sl. No.	Name of the faculty	Editor
1	Dr Suresh Mathew	Associate editor for Science Letters, published by Cognizure & Lognor

d) any other (please specify) - Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Faculty members have active participation as recourse persons in various seminars and workshops. Students are regularly presenting papers in seminar and conferences.

Invited Talks by faculties

Prof .Suresh Mathew

- 1. Invited Talk on "Phase stabilization of Ammonium Nitrate"- Suresh Mathew, Department of Inorganic Chemistry, Peking University, Beiging, China, September 30, 2013.
- 2. Invited talk on "Thermal studies of phase stabilization of ammonium nitrate"- Jisna Jos, Suresh Mathew in International autumn seminar on Propellants, Explosives and Pyrotechnics at Chengdu, Sichuan Province, China, September 24-27, 2013.
- 3. Invited Talk on "Photocatalysis by Nano Titania a review of sustainable energy options"- Suresh Mathew, New York University of Abu Dhabi, May 17, 2015.
- 4. Invited talk on "Advanced thermo analytical techniques as a diagnostic tool for phase transition studies"- Suresh Mathew, National Conference on Advanced Technologies for material processing and diagnostics organized by Indian Society of Analytical Scientists (ISAS)- Kerala chapter, September 18-20, 2014.
- 5. Paper presented on "A nano Calcium metal organic framework constructed from 1, 2-phenylenediacetic acid: Synthesis, luminescence and thermal stability" Seetharaj R, Vandana P.V, Tony Francis and Suresh Mathew in the National Seminar on Modern Trends in Chemistry organized by Department of Chemistry, St. Joseph's college, Irinjalakuda, January 23-24, 2015.
- 6. Poster presented on "Photocatalytic Organic Pollutant Degradation in Iron based Nano Metal organic frameworks under U.V. light irradiation"- Vandana P. V. Seetharaj R. and Suresh Mathew in the National Conference on Materials Science and Technology organized by Department of Chemistry, Indian Institute of Space and Technology, Trivandrum, July 06-08, 2015.



- 7. Poster presented on "Catalytic Activity of Self Assembled Nano CuO on the Thermal Decomposition of Ammonium Nitrate" Jisna Jos and Suresh Mathew in the National Conference on Materials Science and Technology organized by Department of Chemistry, Indian Institute of Space and Technology, Trivandrum, July 06-08, 2015.
- 8. Paper presented on "Synthesis and characterization of cerium metal organic frameworks constructed by pyridine 2, 6 dicarboxylic acid" Vandana P.V, Seetharaj R, Sethulakshmi P and Suresh Mathew in the National Seminar on Modern Trends in Chemistry organized by Department of Chemistry, St. Joseph's college, Irinjalakuda, January 23-24, 2015.

In addition Prof. Suresh Mathew has visited Poland and delivered lectures as part of faculty exchange programme

Invited Talks by Dr. S.Anas

- 9. Invited lecture by Dr. S. Anas on "Exploring the versatility of pentafulvenes at the national conference on recent advances in spectroscopy: chemical and biological perspective-II organized by Newman College, Thodupuzha, September, 2015, Abs-14
- 10. Invited talk by Dr.S.Anas on "Metals in Organic synthesis" at Govt. Brennen College, Thalassery, Kerala in a National Seminar on "Recent Advances in Chemistry (RAC-2015) on 15th December 2015.
- 11. Conducted a motivation class Dr. S.Anas on "Emerging Youth" for National Service Scheme (NSS) Volunteers of Govt. Devi vilasom HSS, Kudavechoor, Vaikom in connection with the training camp held at Gov. H.S.S. T.V. Puram, Vaikom on 22nd December 2015
- 12. Invited talk by Dr.S.Anas on "Applications of Palladium catalysis in Organic synthesis" at Devamatha College, Kuruvilangad, in a national seminar on "Recent trends in catalysis-2016" on 7th January 2016
- 13. Delivered a general talk by Dr.S.Anas on "*Teacher education and society*" on 13th January 2016 at Sobha College of Teacher Education, Mararikulam, Alappuzha as part of inauguration of various subject association activities of the college.
- 14. Invited talk by Dr. S.Anas on 4th Feburary 2016 at St. Michaels College, Cherthala as part of inauguration of UGC sponsored national seminar on "New trends in material science".

<u>Invited Talk Dr P.Radhakrishnan Nair (Visiting Professor)</u>

15. Invited talk in National Seminar on Indigenous Warships- Avenues & Opportunities for Indian Rubber Industry on 6th June 2014 at Rubber Research Institute of India, Kottayam on "Polyurethanes as corrosion resistant coatings for Defense applications"

Invited Talks by Dr. Sunish Sugunan(Research staff)

- 16. Tapping the most out of organic solar cells and light emitting diodes: paradigm shifting technologies, by Sunish K. Sugunan, 5th January, 2016, in Special Seminar organized by Department of Chemistry, CMS College, Kottayam.
- 17. Invited talk by Dr. Sunish on Fundamentals of material science, in the national work shop on material science organised by SRIBS, kottayam and AMMRC on March 4-6, 2016 at Kottayam

28. Student projects

Percentage of students who have done in-house projects including inter-	Nil
departmental projects	
Percentage of students doing projects in collaboration with other	Nil
universities / industry / institute	

29. Awards / recognitions received at the national and international level by

Faculty

Name of the faculty	Details
Dr Suresh Mathew	Rodolph A Marcus award -2016 on chemical sciences by
	publishing division of by Cognizure & Lognor

- Doctoral / Post-doctoral fellows Nil
- Students Nil

30. Seminars/Conferences/Workshops organized and the source of funding (National/International) with details of outstanding participants, if any:

Sl No	Name of National/ International Conference	Funding agency	Eminent Scholars/Scientist who participated
1	National seminar on Current trends in Material Sciences on 15-11-2013	MGU	 Dr. Vijayamohanan Pillai, CECRI, Karaikudi Dr K.R.Dayas, CMET, Trichur Dr Shaaijumon Cherian, IISER, TVM
2	National seminar on Recent trends in Inorganic-Organic Hybrid Materials on 26 - 27 February, 2015	MGU	 Dr. J. N Behera (NISER, Orissa) Dr. T.K. Maji (JNCASR, Bangalore) Dr. S. Natarajan, (IISc., Bangalore) Dr. R. Murugavel, (IIT, Mumbai)
3	National workshop on Advances in Material Science on March 4-6 2016	KSCSTE, Govt of Kerala	 Dr. Kuruvilla Joseph, IIST, Trivandrum Dr. Santhosh Babu, NCL, Pune Dr. Joshy Joseph, NIIST, Trivandrum Dr. Manoj Namboothiri IISER, Trivandrum.
4	National Seminar on Recent Advances in Materials Sciences on November 18-19, 2016, funded by University	MGU	 Dr. Subi Jacob George, JNCASR, Bengaluru Dr. Vinod Prabhakar, NCL, Pune Dr. U. Hareesh, NIIST, Trivandrum Dr. Jobin cyriac, IIST, Trivandrum



31. Code of ethics for research followed by the departments:

Progress and novelty of the research work is assessed during the routine group meetings and assessment committees. Plagiarism software is being used to monitor the research articles and thesis.

32. Student profile programme-wise:

Name of the Programme	Applications	Sele	cted	Pass percentage	
(refer to question no. 4) Ph.D	received	Male	female	Male	Female
2012					
2013	Nil	Nil	Nil	NA	NA
2014	1	Nil	1	NA	NA
2015	7	Nil	4	NA	NA
2016	Nil	Nil	Nil	NA	NA

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same University	% of students from other Universities with in the state	% of students of students from Universities from Outside state	% of students of students from other countries
Ph.D	0	40	60	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Sl.No	NET/ JRF Qualified	GATE	SET	Others
1.	1			

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
. PG to Ph.D	NA
Ph.D. to Post-Doctoral	Ph.D. not yet awarded
Employed	Nil
Campus selection	
Other than campus recruitment	
Entrepreneurs	Nil

36. Diversity of staff:

No permanent faculty in AMMRC details of others are

Percentage of faculty who are graduates	
Of the same university	100
From other universities within the State	Nil
From universities from other States	Nil
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Nil

38. Present details of departmental infrastructural facilities with regard to

a) **Library** : Total 25 books available

b) **Internet facilities for staff and students:** Available

c) Total number of class rooms : 2 rooms for AMMRC and sharing with SCS

d) Class rooms with ICT facility : Nil

e) Students' laboratories
 f) Research laboratories
 : Sharing with SCS laboratories
 : Sharing with SCS laboratories

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university: Nil

b) from other institutions/universities: 5

Name of Guide	Name of Scholar	Post-doctoral	
Dr.P. Radhakrishnan Nair Prof. Suresh Mathew (Co-guide)	Merilyn Mary Xavier,	Nil	
	Sithara Gopinath		
	Sheeba V		
	Soorya Sasi		

40. Number of post graduate students getting financial assistance from the university. NA

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

After discussing with experts and stake holders in the area of proposed research

42. Does the department obtain feedback from

- **a.** Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **NA**
- **b.** Students on staff, curriculum and teaching-learning-evaluation and how does the



department utilize the feedback? NA

c. Alumni and employers on the programmes offered and how does the department utilize the feedback? **NA**

43. List the distinguished alumni of the department:

No student passed out from the centre with Ph.D degree since its start in November 2012

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Conducting seminar/Talk/workshop for students and arranging weekly seminar series (For more details about seminar and workshops refer item No. 30)

Other Lecture/talks arranged

- 1. Dr. K. N. Ninan, a senior scientist closely associated with "Mangalyaan" delivered a popular lecture on "Indian Journey to Mars" on 18th February, 2015.
- 2. Prof. Gawel of Department of Physics, Rzeszow University of Technology, Poland delivered a series of lectures at AMMRC and interacted with students for a period of two weeks in October 2015 in connection with Indo Poland joint project
- 3. Organised a lecture on "Nanocatalyst Development for Fuels from Biomass" by Prof. Debasish Kuila of North Carolina A&T State University, USA in association with IUIC on 22nd December, 2016

45. List the teaching methods adopted by the faculty for different programmes:

For Ph.D seminars and review presentations all faculty members and students are adopting modern teaching technologies such as audio visual aids.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

- We are conducting weekly review meeting of students and faculties to assess the progress of the research activities.
- Our students are undergoing 6 months Ph.D course work programme and examinations as a part of their curriculum.
- In addition the executive committee of AMMRC will monitor the overall performance of the centre at least twice in every year

47. Highlight the participation of students and faculty in extension activities:

The faculties are regularly giving popular and general lectures as given below.

General lectures by Dr. S. Anas is listed below



- 1. Dr. S. Anas Presented a paper on "Alternative Energy Resources in Kerala" in the New Kerala development forum organized by Solidarity Youth movement held at Ernakulam on 2011 March 11
- 2. Invited talk on "Scientific Research: Methodology/Trends/Gaps" at St. Joseph's Training College, Mannanam, Kottayam on 28th February 2014 in connection with the National Science day celebrations.
- 3. Delivered the public lecture on "Value based education" in the education seminar organized at Govt. Higher Secondary School, T. V. Puram, Vaikom, Kottayam on 28th February 2014 in connection with the School annual day celebrations.
- 4. Invited talk on "Scientific Research: Trends/Gaps" at Kerala University College of Teacher Education, Kayamkulam, Kerala in the National Seminar on "Acculturation of Scientific and Social Self": Nurturing Scientific Temper as a Way of Life" on 6th February 2014.
- 5. Paper presented entitled "Our research practices: A re-search" in the national seminar on "Research Education in Kerala: Trends/Gaps" organized by Society for Educational Research in connection with Kerala Education congress conducted by SIO Kerala Chapter held at Thiruvanathapuram on 16-17 November 2013.
- 6. Conducted an orientation class for high school students on "Science and Society" in connection with the inauguration of the school science club of Govt. Higher Secondary School, T.V.Puram, Vaikom, on 21st August 2013.
- 7. Conducted a motivation class on "Time management" for NCC cadets in connection with the 3 Kerala Air sqn NCC training camp held at VJHSS, Naduvathnagar, Cherthala, on 12th September 2014.
- 8. Delivered a general talk on 4th Feburary 2016 at St. Michaels College, Cherthala as part of inauguration of UGC sponsored national seminar on "*New trends in material science*".
- 9. Delivered a general talk on "*Teacher education and society*" on 13th January 2016 at Sobha College of Teacher Education, Mararikulam, Alappuzha as part of inauguration of various subject association activities of the college.
- 10. Conducted a motivation class on "Emerging Youth" for National Service Scheme (NSS) Volunteers of Govt. Devi vilasom HSS, Kudavechoor, Vaikom in connection with the training camp held at Gov. H.S.S. T.V. Puram, Vaikom on 22nd December 2015

Participation in Other Extension activities by Dr.S.Anas

- 1. Interview for JRF at KE College Mannanam 20th March 2014
- 2. As observer for JEE(main) 2014 exam at Kozhikode centre on 5th and 6th April 2014
- 3. Camp director, career guidance workshop organized by sio, thuravoor
- 4. As observer for JEE(main) 2015 exam at Kozhikkod centre on d 4th April 2015
- 5. Election duty as presiding officer for 2015 local body elections in Kerala
- **6.** As observer for JEE(main) 2016 exam at Kozhikkod centre on 3rd April 2016



48. Give details of "beyond syllabus scholarly activities" of the department:

- Weekly review meeting of students and faculties.
- General seminars by students
- Arranging expert lectures
- Industrial and institution visits
- Festival and special day celebrations
- Open day for school students (in association with SCS)
- Arranging Lab/Field visits

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

AMMRC is involved in research activities in diverse areas of Material research.

The contributions and significance of the centre is reflected in the research output given below.

International Journal publications : 10

Seminar/conference papers : 17

Seminar/workshop organised : 3

Invited lectures arranged : 3

External funding : 2 (Rs. 24.3 Lacks)

M.Sc. Projects completed : 8

Recognition/ award for faculty : 1

New instruments procured : 7

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strength

- Promoting advanced research in material science
- Procured good, supportive instrumentation
- Experienced research personnel
- Dynamic research scholars
- Motivating research environment



Weakness

Lack of the following

- Adequate office and lab space
- Technical / administrative staff
- Effective interschool participation
- Linakges/collaboration with industry
- research guides at AMMRC

Opportunities

- To do research in frontiers of material chemistry
- To carry out advanced research projects (UG /PG) in functional materials.
- To avail modern instrumentation facility for all researchers
- To familiarize with recent trends and developments in material science
- To interact with reputed material scientists
- To establish student/faculty exchange programs
- Capacity building programs for faculties and students

Challenges

- Adjust with the working space.
- Utilization of the Government grant sanctioned for establishment of the centre.
- Development of linkage with industries.

52. Future plans of the department.

- Diversification of research activities (Research networking)
- Offer research fellowships
- Procuring more equipment
- Induction of new reserarch personnels
- International conferences in every year
- Bringing out more research publications in high impact journals
- Publishing books and Reviews
- Submission of more research proposals useful for industries
- Developing International collaborations
- AMMRC is planning MoU with Australian Institute of High Energetic Materials for active collaborations on high energy materials research. (With Prof. Alexander Lukin).
- Planning for a collaborative research with Dr. Carlos Rinaldi, Professor at J. Crayton Pruitt, Department of Biomedical Engineering and Department of Chemical Engineering, University of Florida, Gainesville, USA



• Extend the Collaborative research with Uppsala University, Sweden

Plans for tapping of external funds

- Proposal on Nanomaterials based micro electro mechanical systems (MEMS) is submitted to DST (PI. Prof Suresh Mathew and Dr. P.Radhakrishnan Nair).
- Proposal on Flexible Third Generation Solar Cells based on Solvent free Nanoliquids is submitted to DST. (PI. Prof Suresh Mathew and Dr. P.Radhakrishnan Nair).

CENTRE FOR ENGLISH LANGUAGE AND COMMUNICATION SKILLS

1.	Name of the Department	:	Centre for En	nglish Langu	age and	Communication		
2.	Year of establishment	:	2009	2009				
3.	Is the Department part of a School/Faculty of the University?	:	No	No				
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	Certificate Co (PGCEC)	Certificate Course in English Communication (PGCEC)				
5.	Interdisciplinary programmes and departments involved	:	Students from have joined an which we cond	d benefitted f		s and disciplines Open Course		
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	None					
7.	Details of programmes discontinued, if any, with reasons	:	None					
8.	Examination System	:	System	ester/Trimeste course of two		e Based Credit duration.		
9.	Participation of the department in the courses offered by other departments	:	The centre has offered an open Course for other Schools					
	Number of teaching posts, sanctioned, filled and actual (Professors/			Sanctioned	Filled	Actual(including CAS & MPS)		
	Associate Professors/Asst. Professors/others)		Professor	Nil				
10.	,		Associate Professors Nil Nil Nil					
			Asst. Professors	Nil	Nil	Nil		
			Others	Nil	Nil	Nil		
			This Centre has no permanent faculty					



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 6 years
Dr. Sherine Upot, Director	MA PhD	Professor, School of Distance Education Retd.	Literary Studies	32 years	
Dr. K M Krishnan	M A PhD	Associate Professor, School of Letters	American Literature, Fiction Studies	28 years	Ph D 2 M Phil 16

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- Adjunct Faculty Prof Bhaskaran Nair, Pondicherry Central University
- Prof. Sherine Upot, School of Distance Education
- Dr. K M Krishnan
- Dr Saji Mathew, School of Letters
- Ms Cinny Rachel, CMS College, Kottayam
- Guest Faculty: Ms. Anne Martha Varghese.

13. Percentage of classes taken by temporary faculty – programme-wise information: All classes are handled by Adjunct or Guest faculty

- 14. Programme-wise Student Teacher Ratio:5:1
- 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: Administrative Assistant: 1
- 16. Research thrust areas as recognized by major funding agencies: None
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil.
- 18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration b) International collaboration: None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: None

20. Research facility / centre with

State recognition: Nil

National recognition: Nil

International recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies- Nil

22. Publications:

- Number of papers published in peer reviewed journals (national/international): Nil
- Monographs: Nil
- Chapters in Books : Nil
- Edited Books: Nil
- Books with ISBN with details of publishers: Nil
- Number listed in International Database (For e.g. Web of Science, Scopus,
- Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.): Nil
- Citation Index range / average: Nil
- SNIP: Nil
- SJR: Nil
- Impact Factor range / average: Nil
- h-index:Nil

23. Details of patents and income generated : Nil

- 24. Areas of consultancy and income generated : Nil
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad -1

26. Faculty serving in

- a) National committees Nil
- b) International committees Nil
- c) Editorial Boards



Sl. No.	Name of the faculty	Editor		
1	Dr. K M Krishnan	Haritham, Journal of School of Letters		
		Editorial Committee of Dheemahi, Journal of CIFSS		
		Member Editorial Board of MG University e journal		

d) any other (Please specify) -Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Coordinated, attended, and gave plenary sessions, presentations and chaired sessions. See list

Dr. K M Krishnan Participation in Seminars Workshops etc.

2012-16

- Felicitations as Joint Coordinator, International Seminar on English Studies,
 Catholicate College, Pathanamthitta January 2012
- As Member of panel constituted by Government of Kerala to prepare Text Book for State Skill Development Programme SSDP for ASAP took part in Workshop in July 2012.
- 3) Presented a paper on Novel and Short Story Research at Seminar on Research methodology-Approaches and Possibilities 11-13 June 2013, Department of Malayalam, University of Kerala Karyavattom, Trivandrum.
- 4) As Joint coordinator offered felicitations and chaired a session at Seminar on "Event, Memory and Literature: Trauma Narratives of the indian Subcontinent at St Thomas College, Kozhencherry, 5, 6 September, 2013.
- Presented a paper on "Janakeeya Sahithyam Sankalpanam Charithram" Muttath Varkey Centenary Seminar, organized by Sahitya Akademi, New Delhi and Muttath Varkey Foundation at SB College, Changanacherry. 13-15 December, 2013.
- 6) Gave the inaugural Lecture and made a plenary presentation on Space at Seminar on "Idam: Reflections on Space, Gender and Identity" at BCM College, Kottayam, 17, 18 January, 2014



- 7) Served as Coordinator of "National Seminar on Comparative Literature" in connection with the retirement of Prof. P P Raveendran 25, 26 and 27 March 2014.
- 8) Felicitations and Valedictory remarks as Joint Coordinator, Seminar on Art forms of Kerala, B K College, Amalagiri, August 2012.
- 9) Camp Director DSS Workshop on Poetry 25, 26 September 2012.
- 10) Camp Director DSS Workshop on Drama 27, 28, 29 September 2012.
- 11) Presentation on Western and Eastern literary Theory, Govt. Sanskrit College, Tripunithura, February 2013
- 12) Participated in Seminar on "Publishing" conducted by School of Letters and NBT, 12 January 2015.
- 13) Gave a plenary lecture on "Resistance of Forms: Forms of Resistance" Sree Vyasa N S S College, Vadakkancherry 5 February 2015.
- 14) Gave a plenary presentation on "Humour and the Nation" Assumption College Changanasseri 2 July 2015
- 15) Coordinated Kathakali demonstration organized by School of Letters in association with DSS, Mahatma Gandhi University, 11 August 2015.
- 16) Workshop on Malayalam Computing, in association with DSS, Mahatma Gandhi University, School of Letters, October 2015.
- 17) Gave a plenary lecture on "Passages to India Passages to America" BCM College, Kottayam 27 November 2015
- 18) Chaired session at Seminar on Padmarajan School of Letters, 2-4 February 2016.
- 19) Attended Seminar on Poetry in memory of D Vinayachandran, School of Letters 12 February 2016
- 20) Plenary Lecture on "Ways of Seeing: Reflections on Popular Culture" at National Seinar conducted by Department of English, Govt Arts College, Trivandrum on 1 March 2016.
- 21) Chaired a session at Seminar on Thirukkural, School of Letters, 2-4 March 2016.

28. Student projects

- percentage of students who have done in-house projects including inter-100%
- percentage of students doing projects in collaboration with other universities
 / industry / institute: Nil
- **29.** Awards / recognitions received at the national and international level by Faculty Doctoral / post-doctoral fellows Nil Students:



- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil
- **31.** Code of ethics for research followed by the departments: Though no research projects have been undertaken, strict vigil as far as the quality of software used in our training programmes is maintained. No plagiarism is being encouraged.

32. Student profile programme-wise:

Name of the		Sele	ected	Pass percentage		
Programme (refer to question no. 4)	Applications received	Male	Female	Male	Female	
PG CEC	135	26	42	77%	81%	

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PGCEC	80	18	2	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil/NA

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	10
PG to Ph.D.	5
Ph.D. to Post-Doctoral	Ph.D. not yet awarded
Employed	Nil
Campus selection	
Other than campus recruitment	
Entrepreneurs	Nil

36. Diversity of staff: No permanent staff

Percentage of faculty who are graduates	
Of the same university	Nil
From other universities within the State	100%
From universities from other States	Nil
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library : 1209 books and 51 CDs

b) Internet facilities for staff and students
c) Total number of class rooms
d) Class rooms with ICT facility
e) Students' laboratories
f) Research laboratories
i Nil

39. List of doctoral, post-doctoral students and Research Associates:

a) from the host institution/university

Nil

- b) from other institutions/universities
- **40.** Number of post graduate students getting financial assistance from the university:
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: new programmes are designed only after a thorough feedback from stakeholders. Demand from the public prompted the designing of a new diploma programme, yet to be implemented.

42. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: No regular faculty. Yet the adjunct faculty and the guest faculty give significant inputs and give feedback.
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: The feedback from students is of vital importance in designing the curriculum and syllabus of the centre.
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback: The feedback from the Alumni is as important as the feedback from students, which give valuable directions in recognising areas requiring special attention.

43. List the distinguished alumni of the department (maximum 10): None

- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
 - Prof Bhaskaran Nair, Pondicherry University has given extension lectures to the students periodically
- 45. List the teaching methods adopted by the faculty for different programmes.
 - Interactive method for reading, writing and listening skills while computer aided teaching is used in soft skill development.



46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The course being currently offered, viz. POST GRADUATE CERTIFICATE IN ENGLISH COMMUNICATION (PGCEC) has so far elicited very positive feedbacks from students. This indicates that objectives are being met.

47. Highlight the participation of students and faculty in extension activities.

The students of the programme of short duration do not get much chance for extension activities though as members of the campus community they too make use of the opportunities.

- **48.** Give details of "beyond syllabus scholarly activities" of the department: Extension lectures periodically being given by the adjunct and visiting faculty enhance the worldview of the students.
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: Nil
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department is basically concentrating on training in soft skills and developing communication skills. So in equipping the students to explore frontier areas of research the Centre imparts basic skills. This comes broadly within contributions in the applied fields of knowledge.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- The main strength of the Centre is its state of the art software for instruction.
- Excellent teaching faculty,
- . Excellent curriculum and syllabus prepared by faculty having international standing.

Weaknesses

- No permanent faculty
- The paucity of space

Opportunities

- Potential to develop to a centre for excellence in foreign languages
- Potential to develop into a research centre in foreign languages

Challenges

• The main threats faced by the Centre include the ones from numerous privately run coaching centres mushrooming all over. The main task is to make people realize the difference between them and the Centre

52. Future plans of the department.

- Diploma programme in Communicative English.
- PG Programme in Communicative English.



CENTRE FOR HIGH PERFORMANCE COMPUTING

	Name of the					
1.	Name of the Department	:	Centre for Hi	gh Performan	ce Com	nuting
	Department		Centre for Th	gii i citoimai	— Com	puting
2.	Year of establishment	:	2010	2010		
3.	Is the Department part					
	of a School/Faculty of	:	Nil			
	the University?					
4.	Names of Programmes					
	offered (UG, PG, M	:	Nil			
	Phil, Ph.D., Integrated					
	Masters; Integrated					
	Ph.D., DSc., D.Litt., etc)					
5.	Interdisciplinary					Physics, School of
	programmes and	:		,		Computer Science,
	departments involved			510 Science	& Scho	ol of Environmental
			Science			
6.	Courses in collaboration		271			
	with other universities,	:	Nil			
	industries, foreign					
	institutions, etc					
7.	Details of programmes		NT'1			
	discontinued, if any,	:	Nil			
	with reasons		N.A			
8.	Examination System		IN.A			
9.	Participation of the	•	M Took in Co	mputar Sajar	oo Sob	nool of Computer
9.	department in the		Science	omputer Scien	ice, sci	iooi of Computer
	courses offered by other	:	Science			
	departments					
10.	Number of teaching			Sanctioned	Filled	Actual(including
	posts, sanctioned, filled			Zancaonea	1 11100	CAS & MPS)
	and actual		Professor	Nil	Nil	Nil
	(Professors/Associate		Associate	Nil	Nil	Nil
	Professors/Asst.		Professors	1311	1 /11	1 111
	Professors/others)			NT'1	NT'1	NT'1
		•	Asst.	Nil	Nil	Nil
			Professors	NI:1	NT:1	NE:1
			Others	Nil	Nil	Nil
			No permanen	t teaching fac	culties in	CHPC

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D/ M.Phil students guided fo
Dr. C Sudarsanakumar	Ph.D	Professor	Bio-Physics	22 years	
Dr. A S Pdmanabhan	Ph.D	Professor	Computational	28 years	
Dr. CT Aravindakumar	Ph.D		Environmental Chemistry	23 years	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

NIL

13. Percentage of classes taken by temporary faculty – programme-wise information: NIL

14. Programme-wise Student Teacher Ratio : NA

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled and actual
Technical	2	1
Administrative Staff	1	1

- 16. Research thrust areas as recognized by major funding agencies :
 - High Performance Computing, Applications in Physics, Chemistry & Biology
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.
- 18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

b) International collaboration

NIL

- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR,
 - a) AICTE, etc.; total grants received : Nil
- 20. Research facility / centre

• State Recognition: Yes

• National Recognition: Yes

• International Recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate



bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	16
2.	Monographs	Nil
3.	Conference Proceedings	05
4.	Chapters in Books	Nil
5.	Edited Books	Nil
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
	Total	21

- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil
- Citation Index range / average: 8
- Impact Factor range / average: 2-3
- h-index : 12

Total number of publications in International Journals

Dr. C Sudarsanakumar : 9

Dr. A S Padmanabhan : 2

Dr. C T Aravindakumar : 5

- 23. Details of patents and income generated
- **24.** Areas of consultancy and income generated : NIL
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil

.

: NIL

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify): Nil

National committees

Inter National committees

- c) Editorial Boards any other (please specify)
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programmes, workshops, training programs and similar programs): Yes

28. Student projects:

Percentage of students who have done in-house projects including inter- departmental projects	NA
Percentage of students doing projects in collaboration with other	NA
universities / industry / institute	

29. Awards / recognitions received at the national and international level by

• Faculty: Nil

• Doctoral / post-doctoral fellows: Nil

• Students : NIL

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil

31. Code of ethics for research followed by the departments:

Original Licensed software are using

32. Student profile programme-wise:

NIL

Name of the		Sel	ected	Pass po	ercentage
Programme (refer to question no. 4)	Applications received	Male	Female	Male	Female
Nil	Nil	Nil	Nil	Nil	Nil

33. Diversity of students:

NIL

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Nil	Nil	Nil	Nil	Nil

- 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: NA
- **35.** Student progression:

NA

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	Nil
Campus selection	
Other than campus recruitment	
Entrepreneurs	Nil

36. Diversity of staff

: No permanent Faculty



- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : NIL
- 38. Present details of departmental infrastructural facilities with regard to

a) Library	Available, 390 books
b) Internet facilities for staff and students	Available
c) Total number of class rooms	1
d) Class rooms with ICT facility	Yes
e) Students' laboratories	Nil
f) Research laboratories	3

- 39. List of doctoral, post-doctoral students and Research Associates
 - a) from the host institution/university:
 - b) from other institutions/universities
- **40.** Number of post graduate students getting financial assistance from the university: Nil
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. Each student is encouraged to implement their programme as per their computational requirement.
- 42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	Nil
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	Nil
c) Alumni and employers on the programmes offered and how does the department utilize the feedback?	Nil

- 43. List the distinguished alumni of the department (maximum 10): NA
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. : Nil
- 45. List the teaching methods adopted by the faculty for different programmes.: Nil
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? : Interaction with users
- 47. Highlight the participation of students and faculty in extension activities.: Computer education for the employees and faculties to promote free software usage.



- 48. Give details of "beyond syllabus scholarly activities" of the department.: Nil
- 49. State whether the programme/ department is accredited/ graded by other agencies? If Yes, give details: NIL
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
 - Helps the students and Research Scholar of the University to perform Computational research effectively
 - Software support
 - Computer facility
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Helpful for High Computing, Parallel computing and Network computing
- Plan for Interdisciplinary Research were intensive computation is essential
- Adequate support for computation and software
- Training to staff to encourage them to Office Automation

Weakness:

- No permanent Faculty
- Adequate funding
- Not conducting any courses

Opportunities:

- High and efficient computational facility is essential for industry and quality academic research
- There is great opportunities to interact with other schools and centres to work on theory, modelling and simulation

Challenges:

- Easy access to fast computing facility to the needy people
- Install various scientific software and train the users
- Make the facility available to industry



52. Future plans of the department.

- Setup Bio-Informatics Centre.
- Purchase new scientific software and adequate training for its effective use.
- Purchasing of super computer under state grants.

CENTRE FOR YOGA & NATUROPATHY (CYN)

1.	Name of the Centre	:	Centre for Yoga & Naturopathy (CYN)
2.	Year of establishment	:	2015
3.	Is the Department part of a School/Faculty of the university?	:	Yes, Instituted in the School of Gandhian Thought & Development Studies, Mahatma Gandhi University
4.	Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)	:	Scheme, Syllabus & Fee structure are submitted to the University for starting a new course (Post Graduate Diploma in Yoga Education-PGDYEd)
5.	Interdisciplinary programmes and departments involved	:	Interdisciplinary Scientific Research Programmes including Dept. of Lifelong Learning & Extension, School of Behavioral Sciences, School of Gandhian Thought & Development Studies, Environmental Science, and School of Social Sciences.
6.	Courses in collaboration with other universities, industries, foreign institutions, etc.	:	Nil
7.	Details of programmes discontinued, if any, with reasons	:	Nil
8.	Examination System	:	NA
9.	Participation of the department in the courses offered by other departments:	:	Nil
10.	Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)	:	Nil



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experie-nce	No. of Ph.D./ M.Phil. students guided for the last 6 years*
Dr.C.R. Harilakshmeendra Kumar.	MA, Ph. D	Hon. Director	Gandhian Studies, Field Work, Rural Development, Social Welfare, Yoga & Naturopathy	9 years	Ph. D.: 11 M Phil.: 16 (Gandhian Studies)

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

SL. No	Visiting Fellows, adjunct faculty, emeritus professors	Specialization
1.	Prof Dr. Dayaratna Edirisinge, Prof. Retd. (Philosophy) University of Kelania, Colombo, Sri Lanka.	Philosophy of Yoga
2.	Shri Hira Ratan Manek	Surya Yoga
3.	Dr. T. V. Padmanabhan, Coordinator University of Kannur	Scientific Basis and Evolution of Yoga
4.	Shri. Subodh Tiwari, Kaivalyadhama Institute of Yoga, Pune.	Yoga expert
5.	Sri M., Spiritual Guide, Social reformer and Educationalist	Meditation
6.	Dr.T.S.Girishkumar, Prof. M.S. University, Vadodara, Gujarat	Yogic Philosophy.
7.	Rev. Sr. Lucy Kurian, Executive Director, MAHER, Pune	Social Activist

13. Percentage of classes taken by temporary faculty – programme-wise information: Not Applicable

- 14. Programme-wise Student Teacher Ratio: NA
- 15. Number of academic support staff (technical) and administrative staff (sanctioned, filled and actual): NA

16. Research thrust areas as recognized by major funding agencies

- Evolution of Yoga
- Philosophy of Yoga
- Yoga & Meditation
- Yoga & Music
- Scientific approach to Yoga
- Yoga & Naturopathy

17. Number of faculty with ongoing projects from a) national b) international funding Agencies and c) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise:

a) National : Nil

b) International

c) Total grants received: Nil

18. Inter-institutional collaborative projects and associated grants received

a. National collaboration: Kaivalya Dhama inistitute of Yoga (under process)

b. International collaboration : University of Kelaniya, Sri Lanka (under process)

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Total grants received : Nil

: Nil

20. Research facility / centre with

State recognition : Nil
 National recognition : Nil
 International recognition : Nil

- 21. Special research laboratories sponsored by / created by industry or corporate Bodies: Nil
- 22. Publications: Nil
- 23. Details of patents and income generated: Nil
- 24. Areas of consultancy and income generated: Nil
- 25. Faculty selected nationally / internationally to visit other / institutions / industries in India and abroad:

Sl. No. Name of the faculty		Name of Organization		
1.	Dr.C.R.Harilakshmeendra Kumar.	University of Kelaniya, Sri Lanka		

26. Faculty serving in

a. National committees

Sl. No.	Name of the faculty	Committee	
1.	Dr.C.R. Harilakshmeendra Kumar.	Member IQAC, M.G. University	

- b. International committees Nil
- c. Editorial Boards



Sl. No.	Name of the faculty	Journal	
1	Dr.C.R.Harilakshmeendra Kumar	Member, Editorial Committee, I University online publication	MG
		• Editor of 2 books published by NIRMID	

d. Any other

Sl. No.	Name of the faculty	Committee		
1	Dr.C.R. Harilakshmeendra Kumar	 Member, BOS, Calicut University Coordinator UGC-CPES, MG University 		

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs)

Attended one Orientation Course, One Refresher Course and one short term course organized by the UGC ASC, University of Kerala

28. Student projects: Nil

29. Awards / recognitions received at the national and international level by Faculty

Dr. C. R.Harilakshmeendra Kumar -GICSNA (Government of India Certified Senior Naturopath Association) National Award for the contributions rendered to the academic propagation of Yoga & Naturopathy in the national and international level.

30. Doctoral / post-doctoral fellows : Nil

31. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any

Sl. No.	Name of Prograamme	Source of funding	Details of outstanding participants		
	Inaugural seminar of CYN- National level 12 th January 1216		Shri. Subodh Tiwary, Kaivalyadhama Institute of Yoga, Lonawla, Mumbai,		
01		M.G. University	Dr. Vinod Kool, State University of New York Polytechnic Institute,		
			Dr. Balarama Kaimal, Scientist, Pushpagiri Medical College, Thiruvalla.		
	Two days National Seminar on Relevance of Yoga in Modern Life on 18 th & 19 th March 2016		Shri. Hiara Ratan Manek,		
02		M.G. University	Ms. Jessica Rani Bauer (Aix Marseille University, South France),		
			Prof. Dr. John Baby,		
			Dr.T.V.Padmanabhan, Kannur University		

Mahatma Gandhi University

03	Three days International Residential Seminar on Yoga for All for Health Promotion. On 10,11&12 th March 20127	M.G. University	 Mrs. Murelle Ikareth, Saaram Centre for Ayurveda & Arts. Prof.Dr.Dayaratna Edirisinghe, University of Kelaniya, Sri Lanka. Dr. T. V. Padmanabhan, Co-ordinator, Centre for Yoga, Kannur University. Dr.D.Nesy, Retd. Professor in Philosophy, University of Kerala. Dr. Jobin K. Thomas DHH Pharmaceuticals, Karnataka. Dr. Jacob Vadakkumcherry
04	Talk Series. 1 10/08/2016	M.G. University	Sri M, Spiritual Guide, Social reformer and Educationalist
05	Talk Series 2 01/09/2016	M.G. University	Sr. Lucy Kurian, Director, MAHER, Pune
06	Talk Series 3 M.G. University		Dr. C. Thomas Abraham, Senior Trainer, TCI International.
07	Observation of International Yoga Day on 21/06/2016	M.G. University	Observed IYD by participating around 2000 NSS Volunteers at Baselious College Kottayam.

32. Student profile programme-wise: Nil

33. Diversity of students: Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	Nil
Employed	
Campus selection	NA
Other than campus recruitment	
Entrepreneurs	NA



36. Diversity of staff

Percentage of faculty who are graduates		
of the same university	100%	
from other universities within the State	Nil	
from universities from other States	Nil	
from universities outside the country	Nil	

- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil
- 38. Present details of departmental infrastructural facilities with regard to: Proposed
- 39. List of doctoral, post-doctoral students and Research Associates: Nil
- 40. Number of post graduate students getting financial assistance from the university:
 Nil
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes. The executive committee carried out a series of discussions and consulted external experts to initiate the various research divisions of the Centre

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as teaching-learning-	Not applicable
	evaluation? If yes, how does the department utilize the	
	feedback?	
b)	Students on staff, curriculum and teaching-learning- evaluation and how does the department utilize the feedback?	NA
c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?	NA

- 43. List the distinguished alumni of the department (maximum 10): Nil
- 44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving external experts:

There are periodic workshops and training programmes organized by the Centre. Special lectures of many visiting scholars from India and abroad were organized. Students are also encouraged to attend special lectures organized in other departments and schools.



- 45. List the teaching methods adopted by the faculty for different programmes: NA
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?: NA
- 47. Highlight the participation of students and faculty in extension activities: NA
- 48. Give details of "beyond syllabus scholarly activities" of the department.: NA
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : No
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.: Stress management strategies for teachers and students, impart Yoga training for NSS volunteers
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strength:

- 1. Centre for Yoga & Naturopathy (CYN) stands for interdisciplinary research which involves generation and integration of knowledge for holistic healthcare management.
- 2. CYN is envisaged as a Centre where all branches of Science, Social Science as well as Humanities converge.
- 3. Presence of adjunct faculty members from various disciplines to support the research activities of the Centre.

Weakness:

- 1. Lack of adequate research staff.
- 2. Insufficient number of research supervisors.
- 3. Lack of adequate space.
- 4. Lack of sufficient provision for capacity building and advanced training for the staff.

Opportunities:

- 1. As the centre envisages interdisciplinary /multidisciplinary studies there is ample provision for interactions, collaborations and linkages with various institutions within India and abroad.
- 2. Students from other disciplines can be attracted for studies in interdisciplinary dimension, an emerging trend all over the world.
- 3. Opportunities to provide extension services in the local and regional levels.



- 4. Establishing provision for better student placements and furthering of research activities with the linkages already established.
- 5. Potentiality for collaborating with society oriented sustainable activities of local bodies and government.

Challenges:

- 1. Generation of better output with the available resource and facilities.
- 2. Lack of sufficient space, infrastructure and research staff.
- 3. Need for additional facilities for research in frontier areas.
- 4. Utilizing effective linkages with industries.
- 5. Strengthening capacity building programme of the faculty and research groups.

52. Future plans of the department

- 1. To develop this new institute as a centre of convergence for alternative healthcare systems.
- 2. To organize international / national conferences involving alternative healthcare practitioners and researchers from various parts of the world.
- 3. To establish short term programmes in Yoga and Naturopathy.
- 4. To offer short term 'Semester in India' programmes for aspiring international students.

INSTITUTE FOR CONTEMPORARY CHINESE STUDIES (ICCS)

1.	Name of the Department	:	Institute for Contemporary Chinese Studies (ICCS)			
2.	Year of establishment	:	2011			
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty of Social Sciences			
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	NA			
5.	Interdisciplinary programmes and departments involved	:	Nil			
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Nil			
7.	Details of programmes discontinued, if any, with reasons	:	Nil			
8.	Examination System	:	Semester			
9.	Participation of the department in the courses offered by other departments	:	 Course modules on China Studies have been introduced at the Post Graduate level jointly with the School of International Relations and Politics as well as other academic departments. M.Phil Programme on Chinese Studies has already been initiated and research programmes are being finalized. 			
	Number of teaching posts, sanctioned, filled		Professor Nil	Nil	Actual(including CAS & MPS) Nil	
10.	and actual (Professors/ Associate Professors/ Asst. Professors/ others)	:	Associate Nil Professors	Nil	Nil	
			Asst. Nil Professors	Nil	Nil	
			Others Nil	Nil	Nil	



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. /M.Phil students guided for the last 6 years
Dr.C.Vinodan	M.A., M.Phil, Ph.D	Director	International Relations, China Studies and Development Studies	12	Ph.D-5 awarded 8 ongoing M.Phil-8 awarded

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

 Prof. Jia Haitao, Director, Institute for Chindian Studies, Jinan University, Guangzhou, China Ambassador Vinod C. Khanna Sri. Muraleedharan Nair, formerly Indian Counsel General, the Indian Mission at Guangzhou, Guangdong of China Dr. Srikanth Kondapalli, Professor of Chinese Studies, Jawaharlal Nehru University, New Delhi Mr. Yinghong Huang, Associate Professor, School of International Relations, Sun Yat-sen University, Guangzhou, China. Li Mingquan, Professor& Vice –President, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China Alkha Acharya, Professor & Director, Institute of Chinese Studies, New Delhi. Sanjay K. Jha is Professor and Dean, School of International Studies, Central University of Gujarat. Yue Zhaomin, Associate Professor, Sichuan Academy of Social Sciences, China. Faculty and Secretary General of the "Centre for India Studies", SASS, China. Chen Jinying, Associate Professor, School of International Relations & Public Affairs, Shanghai International Studies University 550 Dalian Road(West), Shanghai, China 200083 Ji Mengxue, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China Amb. Rajiv Bhatia, Former Director, ICWA, New Delhi 		
 Ambassador Vinod C. Khanna Sri. Muraleedharan Nair, formerly Indian Counsel General, the Indian Mission at Guangzhou, Guangdong of China Dr. Srikanth Kondapalli, Professor of Chinese Studies, Jawaharlal Nehru University, New Delhi Mr. Yinghong Huang, Associate Professor, School of International Relations, Sun Yat-sen University, Guangzhou, China. Li Mingquan, Professor& Vice –President, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China Alkha Acharya, Professor & Director, Institute of Chinese Studies, New Delhi. Sanjay K. Jha is Professor and Dean, School of International Studies, Central University of Gujarat. Yue Zhaomin, Associate Professor, Sichuan Academy of Social Sciences, China. Faculty and Secretary General of the "Centre for India Studies", SASS, China. Chen Jinying, Associate Professor, School of International Relations & Public Affairs, Shanghai International Studies University 550 Dalian Road(West), Shanghai, China 200083 Ji Mengxue, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China 	1.	Prof. Jia Haitao, Director, Institute for Chindian Studies, Jinan
 Sri. Muraleedharan Nair, formerly Indian Counsel General, the Indian Mission at Guangzhou, Guangdong of China Dr. Srikanth Kondapalli, Professor of Chinese Studies, Jawaharlal Nehru University, New Delhi Mr. Yinghong Huang, Associate Professor, School of International Relations, Sun Yat-sen University, Guangzhou, China. Li Mingquan, Professor& Vice – President, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China Alkha Acharya, Professor & Director, Institute of Chinese Studies, New Delhi. Sanjay K. Jha is Professor and Dean, School of International Studies, Central University of Gujarat. Yue Zhaomin, Associate Professor, Sichuan Academy of Social Sciences, China. Faculty and Secretary General of the "Centre for India Studies", SASS, China. Chen Jinying, Associate Professor, School of International Relations & Public Affairs, Shanghai International Studies University 550 Dalian Road(West), Shanghai, China 200083 Ji Mengxue, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China 		University, Guangzhou, China
 Mission at Guangzhou, Guangdong of China Dr. Srikanth Kondapalli, Professor of Chinese Studies, Jawaharlal Nehru University, New Delhi Mr. Yinghong Huang, Associate Professor, School of International Relations, Sun Yat-sen University, Guangzhou, China. Li Mingquan, Professor& Vice –President, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China Alkha Acharya, Professor & Director, Institute of Chinese Studies, New Delhi. Sanjay K. Jha is Professor and Dean, School of International Studies, Central University of Gujarat. Yue Zhaomin, Associate Professor, Sichuan Academy of Social Sciences, China. Faculty and Secretary General of the "Centre for India Studies", SASS, China. Chen Jinying, Associate Professor, School of International Relations & Public Affairs, Shanghai International Studies University 550 Dalian Road(West), Shanghai, China 200083 Ji Mengxue, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China 	2.	Ambassador Vinod C. Khanna
Nehru University, New Delhi 5. Mr. Yinghong Huang, Associate Professor, School of International Relations, Sun Yat-sen University, Guangzhou, China. 6. Li Mingquan, Professor& Vice – President, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China 7. Alkha Acharya, Professor & Director, Institute of Chinese Studies, New Delhi. 8. Sanjay K. Jha is Professor and Dean, School of International Studies, Central University of Gujarat. 9. Yue Zhaomin, Associate Professor, Sichuan Academy of Social Sciences, China. Faculty and Secretary General of the "Centre for India Studies", SASS, China. 10. Chen Jinying, Associate Professor, School of International Relations & Public Affairs, Shanghai International Studies University 550 Dalian Road(West), Shanghai, China 200083 11. Ji Mengxue, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China	3.	l
Relations, Sun Yat-sen University, Guangzhou, China. 6. Li Mingquan, Professor& Vice –President, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China 7. Alkha Acharya, Professor & Director, Institute of Chinese Studies, New Delhi. 8. Sanjay K. Jha is Professor and Dean, School of International Studies, Central University of Gujarat. 9. Yue Zhaomin, Associate Professor, Sichuan Academy of Social Sciences, China. Faculty and Secretary General of the "Centre for India Studies", SASS, China. 10. Chen Jinying, Associate Professor, School of International Relations & Public Affairs, Shanghai International Studies University 550 Dalian Road(West), Shanghai, China 200083 11. Ji Mengxue, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China	4.	1 ,
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Central University of Gujarat. 9. Yue Zhaomin, Associate Professor, Sichuan Academy of Social Sciences, China. Faculty and Secretary General of the "Centre for India Studies", SASS, China. 10. Chen Jinying, Associate Professor, School of International Relations & Public Affairs, Shanghai International Studies University 550 Dalian Road(West), Shanghai, China 200083 11. Ji Mengxue, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China	7.	
Sciences, China. Faculty and Secretary General of the "Centre for India Studies", SASS, China. 10. Chen Jinying, Associate Professor, School of International Relations & Public Affairs, Shanghai International Studies University 550 Dalian Road(West), Shanghai, China 200083 11. Ji Mengxue, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China	8.	
Public Affairs, Shanghai International Studies University 550 Dalian Road(West), Shanghai, China 200083 11. Ji Mengxue, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China	9.	Sciences, China. Faculty and Secretary General of the "Centre for India
West Section One, Ring One Road Chengdu, Sichuan Province, China	10.	Public Affairs, Shanghai International Studies University 550 Dalian
12. Amb. Rajiv Bhatia, Former Director, ICWA, New Delhi	11.	
	12.	Amb. Rajiv Bhatia, Former Director, ICWA, New Delhi



13.	Mohanan B. Pillai is Professor, Department of Politics and International Studies, Pondicherry University.
14.	Li Jingfeng, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China
15.	Nie Wenjuan, Associate Professor, Institute of International Relations, China Foreign Affairs University.
16.	Arvind Kumar, Professor and Head, Department Geopolitics and International Relations & Head, Manipal Centre for Asian Studies, Director, STUDY ABROAD PROGRAM, Manipal University, Manipal – 576104, Karnataka, India,
17.	Chen Jixiang, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China
18.	Gopalji Malviya is former Professor and Head, Department of Defence and Strategic Studies, University of Madras.
19.	Prof Nalini Kant Jha is Dean, School of Social Sciences & International Studies and Director, Southern Asia Studies Programme at Pondicherry University, Puducherry.
20.	Prof. Tej Pratap Singh, Department of Political Science, Banaras Hindu University, Varanasi.
21.	Mahesh Ranjan Debata, Centre for Inner Asian Studies, School of International Studies, Jawaharlal Nehru University, New Delhi.
22.	W. Lawrence S. Prabhakar, Associate Professor, Department of Political Science, Madras Christian College, Chennai
23	Prof. M.J.Vinod, Department of Political science, University of Bangalore.

- 13. Percentage of classes taken by temporary faculty : Nil
- **14.** Program wise Student Teacher Ratio : Nil
- 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: Nil
- 16. Research thrust areas as recognized by major funding agencies: Nil
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

- 18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration: Nil
 - b) International collaboration:
 - Jinan University, Guangzhou, China.
 - Institute for Chindian Studies, Jinan University, Guangdong Province, China.



- Catholic University of Korea (CUK), Seoul.
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received :
 - Rs. 25.00 Kerala Government
 - Rs. 25.00 UGC

Total grants received: ₹ 50 Lakhs

- **20.** Research facility / centre with : **Nil**
 - ❖ State recognition
 - ❖ National recognition
 - International recognition
- 21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	17
2.	Monographs	Nil
3.	Conference Proceedings	15
4.	Chapters in Books	9
5.	Edited Books	4
6.	Books authored with ISBN	4
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
9.	Total	49

- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.) -- Nil
- Citation Index range / average
 * SNIP -- Nil
- SJR
- Impact Factor range / average
- h-index Nil



- 23. Details of patents and income generated: Nil
- 24. Areas of consultancy and income generated: Nil
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :
 - Dr. C. Vinodan, Director, ICCS participated in the 2016 Sino-Indian Cross Cultural Dialogues held by the Institute of Advanced International Studies, Sun Yat-sen University, Guangzhou, China during 17-19 June ,2016.
 - Dr. Raju K. Thadikkaran, Former Director ICCS jointly with Dr. K.M Seethi, Dean, Faculty of Social Sciences, Mahatma Gandhi University participated in the International Conference on Buddhism and World Culture organized by Jinan University, China as well as in a One Day Colloquium on the theme India and South Korea
 - Dr. Raju K. Thadikkaran, Former Director of the ICCS visited Jinan University as well as Catholic University of Korea (CUK) during October-November 2011

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Body/Society	Nature of Affiliation	
International:		
International Studies Association (USA)	Member	
Human Security Institute(Canada)	Associate	
International Journal of Public Policy (UK)	International Reviewer	
National:		
Institute of Defence Studies and Analysis(New Delhi)	Associate Member	
All India Political Science Association	Life Member	
Indian Association for Canadian Studies	Life Member	
Editorial Boards:		
Journal of Human Security(Canada)	Editorial Board Member	
Journal of Challenges in Sustainability (Switzerland)	International Reviewer	
South East Asian Journal of Social and Political Issues (Indonesia)	Editorial Board Member	
Indian Journal of Politics and International Relations (India)	Associate Editor	



Association of Asia Scholars	Associate Member	
South Asian Journal of Diplomacy (India)	Associate Editor	
Any other:		
Board of Studies in International Relations and Politics, Mahatma Gandhi University	Member	
Board of Studies in Political Science, Kannur University	Member	
Board of Studies in Political Science, Kerala University	Member	
Board of Studies in Political Science, Maharajas College (Autonomous College), Ernakulum	Member	

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

- Organised a one day international symposium on Political Transformation and Development in India and China on 18 August 2016 under the auspices of ICCS &SIRP, Mahatma Gandhi University.
- The ICCS organized an International Symposium on the theme Political Transition in China and the United States Implications for India on 28 February 2013 jointly with the KPS Menon Chair.

28. Student projects: NA

- percentage of students who have done in-house projects including interdepartmental projects:100%
- percentage of students doing projects in collaboration with other universities /industry / institute : Nil

29. Awards / recognitions received at the national and international level by : Nil

- Faculty
- Doctoral / Post-doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (National/ International) with details of outstanding participants, if any:

Scholar-in-Residence

Hosted Prof. Jia Haitao, Director, Institute for Chindian Studies, Jinan University, Guangzhou, China as the KSHEC sponsored Erudite Scholar-in-Residence during January 2011. Prof. Jia delivered a series of Lectures on the themes: Urbanisation and Social Development in China; Ethnic and Minority Question in China Today; Religion in the Contemporary China; Sino – Indian Relations: Issues and Challenges; One Country, Two Systems and the Taiwan Question.



Diplomat Lecture

- Invited Diplomat Lecture by Ambassador Vinod C. Khanna on the theme *Rise of China: Implications for the Rest of the World* jointly with the Public Diplomacy Division of Ministry of External Affairs (MEA), New Delhi.
- Invited Diplomat Lectures by Sri. Muraleedharan Nair, formerly Indian Counsel General, the Indian Mission at Guangzhou, Guangdong of China during November 2015.

Visiting Scholar

- Dr. Srikanth Kondapalli, Professor of Chinese Studies, Jawaharlal Nehru University, New Delhi associated with the ICCS as a Visiting Scholar for 10 days during March 2015.
- Prof. Jia Haitao, Director, Institute for Chindian Studies, Jinan University, China associated with the ICCS as a Visiting Scholar for 30 days during March 2015
- Visiting Scholar Prof. Jia Haitao, Director, Institute for Chindian Studies, Jinan University, China served Visiting Scholar at ICCS for 2 weeks during January 2016.

Special Lecture

- ICCS conducted series of Invited Special Lectures by Dr. Srikanth, a scholar from Peking University, China during November 2015
- Seminars/Symposia/Conferences Organized by the Centre (Give details) recommendations and proposed follow-up
- The ICCS organized a Symposium on the theme *China and the Emerging World Order: Is Peaceful Rise Possible?* on 23 December 2011 jointly with the KPS Menon Chair, School of International Relations and Politics, Mahatma Gandhi University
- The ICCS organized a major International Conference on China (CoC 2012) during 1-3 November 2012 on the theme The Rise of China: Policy Parameters and Prospects jointly with the Indian Council of World Affairs (ICWA), New Delhi, Association of Asian Scholars (AAS), New Delhi and the Institute of Chinese Studies (ICS), New Delhi
- The ICCS organized a major National Seminar on the theme "Understanding China: Indian Perspectives" jointly with the Nelson Mandela Chair for Afro-Asian Studies, SIRP and the Chennai Centre for Chinese Studies during February 2015. It was attended by around 20 invited scholars.
- The ICCS organized another major Conference on the theme "**Engaging Diaspora**" jointly with the Nelson Mandela Chair for Afro-Asian Studies, SIRP during March 2015.
- ICCS Associated with an International Conference on 'Understanding Contemporary India' organized by the Rajiv Gandhi Chair for Public Policy Studies, School of International Relations and Politics & University Centre for International Co-operation, Mahatma Gandhi University during 14-15 January 2016.



- The ICCS organized a major International Conference on the theme "India, China and The New Silk Road Initiatives: Challenges and Opportunities" jointly with the School of International Relations and Politics during 11-12 November 2016. 8 Scholars from China and around 30 Scholars from different part of India participated and presented papers in the conference.
- 31. Code of ethics for research followed by the departments: Nil

32. Student profile programme-wise: NA

Name of the	Applications	Sel	ected	Pass pe	ercentage
Programme	received	Male	Female	Male	Female
(refer to question no. 4)					
Nil	Nil	Nil	Nil	Nil	Nil

33. Diversity of students : NA

Name of the Programme	% of students	% of students from other	% of students from	% of students
(refer to question no. 4)	from the same	universities within the	universities outside the	from other
	university	State	State	countries
Nil	Nil	Nil	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: NA

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
Campus selection	Nil
Other than campus recruitment	

36. Diversity of staff : Nil

Percentage of faculty who are graduates					
Of the same university	Nil				
From other universities within the State	Nil				
From universities from other States	Nil				
From universities outside the country					

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to: NA

- a) Library
- b) Internet facilities for staff and students
- c) Total number of class rooms
- d) Class rooms with ICT facility
- e) Students' laboratories
- f) Research laboratories

39. List of doctoral, post-doctoral students and Research Associates: Nil

- a) from the host institution/university
- b) from other institutions/universities

40. Number of post graduate students getting financial assistance from the university: Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Nil

42. Does the department obtain feedback from :

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : NA
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : NA
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback? : NA

43. List the distinguished alumni of the department: Nil

44. Give details of student enrichment programmes (special lectures / workshops /



seminar) involving external experts:

Seminars/Symposia/Conferences Organized by the Centre:

- The ICCS organized a Symposium on the theme *China and the Emerging World Order: Is Peaceful Rise Possible?* on 23 December 2011 jointly with the KPS Menon Chair, School of International Relations and Politics, Mahatma Gandhi University
- The ICCS organized a major International Conference on China (CoC 2012) during 1-3 November 2012 on the theme The Rise of China: Policy Parameters and Prospects jointly with the Indian Council of World Affairs (ICWA), New Delhi, Association of Asian Scholars (AAS), New Delhi and the Institute of Chinese Studies (ICS), New Delhi
- The ICCS organized a major National Seminar on the theme "Understanding China: Indian Perspectives" jointly with the Nelson Mandela Chair for Afro-Asian Studies, SIRP and the Chennai Centre for Chinese Studies during February 2015. It was attended by around 20 invited scholars.
- The ICCS organized another major Conference on the theme "**Engaging Diaspora**" jointly with the Nelson Mandela Chair for Afro-Asian Studies, SIRP during March 2015.
- ICCS Associated with an International Conference on 'Understanding Contemporary India' organized by the Rajiv Gandhi Chair for Public Policy Studies, School of International Relations and Politics & University Centre for International Co-operation, Mahatma Gandhi University during 14-15 January 2016.
- The ICCS organized a major International Conference on the theme "India, China and The New Silk Road Initiatives: Challenges and Opportunities" jointly with the School of International Relations and Politics during 11-12 November 2016. 8 Scholars from China and around 30 Scholars from different part of India participated and presented papers in the conference.
- **45.** List the teaching methods adopted by the faculty for different programmes: Problem based learning, Flipped class rooms, group discussions, seminars etc..
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored: through student feedback system
- 47. Highlight the participation of students and faculty in extension activities: Nil
- **48. Give details of "beyond syllabus scholarly activities" of the department :** The centre conducts awareness campaign on Chinese studies and collaborate with other institutions for conducting such programmes)
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: UGC (The centre was established under the UGC area



study scheme. UGC conducts annual evaluation of the centre)

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The ICCS has been able to generate a very good awareness on the significance and rational of Chinese Studies among students, teachers and researchers. Further, the ICCS has been quite successful in initiating a dialogue among scholars, academics, diplomats and policy makers on the issues and concerns as well as opportunities associated with Chinese studies in general and Sino-Indian relations in particular.

The ICCS has been able to produce a number of papers presented by academics, policy makers and diplomats, reflective of their knowledge and expertise on China which will be of immense value to the students, research scholars, teachers and academics and will be of immense relevance to the policy making, as well. Most of these papers and presentations will be published shortly.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strengths/Opportunities

- Leading centre in China studies in South India
- Only UGC approved centre for Chinese studies in South India
- Scope for more collaborative research programmes and MOUs
- More opportunities for Faculty and student exchange programmes
- Understanding the best practices in Chinas development models

Weaknesses/Challenges

- Absence of adequate support staff
- Shortage of Faculty and research staff
- Absence adequate trained Chinese language teachers and research staff
- Limited office space and classrooms
- Financial constraints

52. Future plans of the department.

- The ICCS proposes to enter into collaboration with few major institutions from China shortly.
- Semester Abroad Study Program whereby students from Mahatma Gandhi
 University will spend one semester in China and will specialize in course
 modules related to China. On the other hand, Chinese students will spend one
 semester in Mahatma Gandhi University, focusing on India studies.



- International Conference on the theme Internationalization of Higher Education in India and China: Challenges and Opportunities during 2016-17.
- International Summer School on India and China on the theme The Rise of China and India: Socio-Cultural Milieu of India and China
- Initiate M.Phil/Ph.D programs on Chinese studies in association with SIRP.
- Collaborative research programs with reputed institutions from abroad
- Initiate certificate and language courses in Chinese language for the Students, Faculty, Researchers and the Public;
- Initiate various programs for creating awareness on China and Chinese Studies;
- To initiate collaborative research programs in the areas of higher education reforms, development models, local governance, urbanization, Chinas global engagements etc. with Chinese and other foreign universities;



INSTITUTE FOR INTENSIVE RESEARCH IN BASIC SCIENCES (IIRBS)

1.	Name of the Department	:	Institute for (IIRBS)	Intensive R	esearch	in Basic Sciences		
2.	Year of establishment	:	2008	2008				
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Facult	Yes, Faculty of Science				
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc.)	:	 Integrated MSc. Integrated PhD 					
5.	Interdisciplinary programmes and departments involved	:	Integrated Interdisciplinary MS Programme Integrated Interdisciplinary PhD Programme (MSc.+PhD)					
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Nil					
7.	Details of programmes discontinued, if any, with reasons	:	Nil					
8.	Examination System	:	Choice based	Credit Seme	ster Syst	tem (CBCSS)		
9.	Participation of the department in the courses offered by other departments	:	Nil					
10.	Number of teaching posts, sanctioned, filled			Sanctioned	Filled	Actual(including CAS & MPS)		
	and actual (Professors/		Professor	Nil	Nil	Nil		
	Associate Professors/ Asst. Professors/others)	:	Associate Nil Nil Nil Professors					
			Asst. Professors	Nil	Nil	Nil		
			Others	Nil	Nil	Nil		
		No permanent teaching faculties in IIRBS						



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Prof (Dr.) I. Ibnusaud	MSc, PhD	Professor & Director	Chemistry	26	3- PhDs
Dr. Savitha Pillai.	MSc.PhD	Research Assistant Professor	Chemistry	-	-
Dr. Shine Joseph	MSc.PhD	Research Officer	Chemistry	6	-
Prof. (Dr.) Rajan Gurukkal P. M.	PhD	Former Vice Chancellor, M.G. University	Social sciences	35	-
Prof. J. G. Ray	MSc.PhD	Professor	Ecology & Ecotechnology	30	-
Dr. K. Indulekha	PhD	Professor	Astrophysics	26	-
Dr. Linu Mathew	PhD	Asst. Professor	Biosciences	15	-

12. List of senior Visiting Fellows, Adjunct faculty, Emeritus professors:

Distinguished Consulting Research Professors

Sl No	Name	University/Institute
1	Prof. Alain Berthod	Institute des Sciences Analytiques, Universite de Lyon – France
2	Prof. Anil J Elias	(Dept.Of Chemistry - IIT Delhi) - Awarded " INSA teachers awards 2012 " by Indian National Science Academy for excellence in teaching science & inspiring students.



Mahatma Gandhi University

3	Prof. Bakthan Singaram	Dept of Chemistry and Biochemistry - University of California, California
4	Prof. H. B. Khagan	Universite Paris-Sud, Orsay, France
5	Prof. Narayan S Hosmane	Dept. Of chemistry & Biochemistry - Northern IIIionis University, USA
6	Prof. Vijay A. Singh	National Co-ordinator, Science Olympiads, Homi Bhabha Centre for Science Education, Mumbai
7	Prof. K. K. Balasubramanian	Professor, IIT Madras
8	Prof. I. N. N. Namboothiri	Professor, IIT Mumbai
9	Prof. P. J. Sebastian	Senior Scientist, Energy Reasearch Center-UNAM, Mexico
10	Prof. M. S. Gopinathan	Professor, IISER, Trivandrum
11	Prof. Prasad L Polvarappu	Professor of chemistry - Vanderbilt University, Nashville
12	Dr. Thomas J Colacot	Research & Development Manager, Homogeneous catalysis - New Jersey, USA) awarded the RSC's Applied Catalysis Award - 2012
13	Prof. Hassan Y. AboulEinen	National Research Centre, Cairo, Egypt1-2-2014
14	Prof. S. Chandrasekharan	IISc, Bangalore
15	Prof.Sankaran Subramanian	Rtd. Professor, IIT Madras
16	Prof.Radha V. Jayaram	ICT, Mumbai
17	Prof. Syed Akheel Ahmed	Dean, faculty of science and technology - University of Mysore, Mysore
18	Prof. K. G. Suresh	Dept. of Physics - IIT Mumbai



Guest Faculty

Sl No	Name	University/Institute/designation
1	Dr. A SalahuddinKunju	(Chemistry- PhD, Rtd.Professor) \
2	Dr. C.S. Menon	(Physics - MSc.PhD - IIT, Madras)
3	Dr.Cyriac Thomas	(MA. Ph.D) Former Vice-Chancellor
4	Dr.G.Krishnan	(Chemistry- PhD, Rtd.Professor)
5	Dr. M. George	(Chemistry- MSc. Ph.D-IIT Madras)
6	Dr.Madhavan Pillai	(Chemistry - MSc.PhD, Wayne State University, Detroit)
7	Dr.Mankulam Krishnan Namboothiri	(Biology - MSc.Ph.D)
8	Dr. Manoj Ramavarma	(Physics - MSc.PhD, IIT, Madras)
9	Dr. N. Gopakumar	(Physics - MSc.Ph.D)
10	Dr.Nishanth Nair	(Chemistry-PhD, IIT Kanpur)
11	Ms . O. V Usha	(English - M.A) Poet and novelist (creative writing)
12	Dr. P. S. Anjana	(Physics - MSc.Ph.D)
13	Dr.PrathapanSreedharan	(Chemistry - Ph.D- IIT Kanpur)
14	Dr. S. Krishnakumar	(English- PhD, Rtd.Principal S.D College Alleppey)
15	Dr.ShereenRatnakar	(Archiology- Rtd. Professor Jawaharlal Nehru University)
16	Dr.Swaminathan	(Chemistry - Ph.D- IIT Kanpur)
17	Dr. T. Emilia Abraham	(Biology - MSc.Ph.D) Rtd. Director Grade scientist CSIR,TVM
18	Dr. T. N Vasudevan	(Physics- PhD, Rtd. Professor)
19	Dr. T. N. Suresh Kumar	(Chemistry - MSc. Ph.D , IIT Madras)
20	Dr. T.R. Sivakumar	(Mathematics - Ph.D, IIT, Madras)
21	Dr. V R Parameswaran	(Chemistry - Ph.D- IIT Madras)
22	Dr. Varghese Abraham	(English M.A.,MPhil, PhD)
23	Dr. Vineesh Vijayan	(Chemistry-PhD, IISER TVM)



13. Percentage of classes taken by temporary faculty – programme-wise information:

Programme	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Integrated MS	80%	80%	80%	80%	80%	80%
Integrated Ph.D						

14. Programme-wise Student Teacher Ratio

Integrated MS	Most of the classes are managed by visiting/Guest/Temporary
	faculty

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: Administrative Staff: 2, Academic support staff: 6

16. Research thrust areas as recognized by major funding agencies:

Towards the utilization of regional resources for value added products following molecules have been identified from locally available plant sources and employed them in the broad area of Chirotechnology.

- Synthesis of Natural products
- Exploration of Chiral pool for industrially potential molecular entities like chiral stationary phases, chiral molecular sensors etc.
- Design and synthesis of chiral auxiliaries and catalysts.
- Self-assembling and replicating molecules-supra molecular chemistry.
- Chiral nano materials
- Chemistry of enedienes pertaining to the synthesis of anti-cancer drugs.
- Orgin of chirality.
- Natural product exploration.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

a) national

Sl No	Title of Project	Funding Agency	Grants received in Lakhs
1	Synthesis of few Medicinally	DST, Govt. of India, Project	55.00
1	Important Chiral Molecules Derived from Renewable Resources	No.SR/S1/OC- 98/2012–dated 07.03.2013	
2	Ex-chiral pool synthesis towards few molecules of Anticancer & Antituberculosis Likeness	CSIR Project No.02(0101)/12/EMR – II dated 31.102012	30.0
		TOTAL	85.00



b) International: Nil

c) Total grants received: ₹85.00 Lakhs

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration Nil

b) International collaboration Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Sl No	Title of Project	Funding Agency	Grants received
		KCSTE under SARD	30.00
1	MOCTE 1- CADD Doci4	Project Order	30.00
1.	KCSTE under SARD Project	No.524/2014/KCSTE	
		dated 04.10.2014	

Total grants received: ₹ 30 Lakhs

20. Research facility / centre with

state recognition : Yes
 national recognition : Yes
 international recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	08
2.	Monographs	Nil
3.	Conference Proceedings	04
4.	Chapters in Books	Nil
5.	Edited Books	Nil
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
9.	Total	12



23. Details of patents and income generated: 2- Nil (2011-2015)

Sl. No.	Details of the patent	Income Generated
1	Ibrahim Ibnusaud and Sarath Muralidharan Pillai. Enatiopure total synthesis of indolizinoindole alkaloid (+)harmicine and (-) harmicine from (2S,3R)-Tetrahydro-3-hydroxy-5-oxo -2,3-furandicarboxylic acid (Hibiscus acid) and (2S,3S)-Tetrahydro-3-hydroxy-5-oxo -2,3-furandicarboxylic acid(Garcinia acid) Indian Patent No.3682/CHE/2016.	Nil
2	Synthesis of (R)-(+)- Crispine A and (S)-(-)- Crispine A from(2S,3R)- and (2S,3S)-Tetrahydro-3-hydroxy-5-oxo-2,3-furandicarboxylic acids, Divya Sadasivan Nair, Deenamma Habel and Ibrahim Ibnusaud, Indian Patent No.3484/CHE/2016	Nil

- 24. Areas of consultancy and income generated: Not offering any consultancy services.
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad

International

Sl. No.	Name of the university/industry/ meeting	Date	Details
1	The State University of New Joursey, NJ, US	June 15 th -19 th 2014	B NMR Spectroscopy Based Mechanistic Insight into Reduction Reactions of Hydroxyacid esters" BORON AMERICAS XIV (BORAM), Rutgers, to be held on. Chaired a session and presented a paper.
2	ACS Meeting Dallas, Texas	March 16-20, 2014	"Synthesis of enantiopure 3-substituted, 3, 4-disubstituted pyrrolidinediones and related isoquinoline alkaloid"; Divya S. Nair, DeenammaHabel, Grace Thomas, and Ibrahim Ibnusaud,
3	24 th International symposium on chiral Discrimination ISCD24, Fort Worth, Texas	June 10- 13, 2012	Ex-Chiral pool synthesis of Chiral 4-(2- Hydroxyethyl) pyrrolidine-3-ol: a potent anti-tuberculosis agent, Ibrahim Ibnusaud,
4	Boron Americas XIII, Purdue University USA	June 3-9 2012	Semi synthetic production of potential enantiomerically pure molecules employing Boranes and Borohydride Reagents, I.Ibnusaud*, HSimimole, Divya S Nair and K.C Sachin Raj



5	University of Liverpool, Liverpool, UK, (ISCD – 2011)	to 13 th July 2011	A novel class of chiral phosphine ligand based on(2S,3S) – Tetrahydro-3-hydroxy-5-oxo-2,3,furan dicarboxylic acid, I.Ibnusaud, S. Anumol and AshnaShaji.
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26. Faculty serving in

a. National committees

Name of the faculty	Committee
	1. Life Member, Indian Association of Chemistry Teachers,
	(IACT), Mumbai
Dr. I. Ibnu Saud	2. Life Member, Chemical Research Society of India (CRSI),
	Bangalore.
	3. Member Executive Council Indian Association of Chemistry
	Teachers, Homi Bhabha Centre for science Education (TIFR),
	Mumbai. (IACT).

a) International committees: Nil

b) Editorial Boards: Nil

c) any other

Dr. I. Ibnu Saud	1.	Member, Board of studies of MSc. Chemistry, School of Chemical Sciences, M. G. University.
	2.	Member, Board of studies of MSc. Chemistry (PG) in M. G. University

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): Nil

28. Student projects

- percentage of students who have done in-house projects including interdepartmental projects: 100
 - / percentage of students doing projects in collaboration with other universities industry / institute

29. Awards / recognitions received at the national and international level by

• Faculty

Name of Faculty	Details	
Prof (Dr.) I. Ibnusaud	 Invited as Distinguished Invited Scientist, (BrainKorea-21) by Functional Materials Division, Pusan National University, Busan, Korea(OctJan.2006) Scientific observer to the Indian team of 38th International Chemistry Olympiad held at Gyeongsan, Korea during July 2nd-11th, 2006 Best paper award for the paper presented in 'Chirality 2004' held at New York University, New York U.S.A.(2004). 	

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- Doctoral / Post-doctoral fellows : Nil
- Students

Name of Students	Details
Students Achievements – Academic	 Indian Academy of Science (IAS) fellowship (SRF) IAS Scholars -4 NIUS Scholars - 8 NIUS Chemistry Camp, (HBCSE,TIFR)-14 INSPIRE -8 KVPY -1 S N Bose Scholarship-1 (Indo-US) -1

30. Seminars/ Conferences/Workshops organized and the source of funding (national International) with details of outstanding participants, if any:

Sl No.	Workshop/Seminar	Resource Person	
1.	One day International Symposium on Concurrent methodologies in Organic Synthesis - in honour of Prof.Ei- ichiNegishi(2010 Chemistry Nobel Laureate, Purdue University, USA) on 13 th February 2016	Prof.Ei-ichiNegishi (2010 Chemistry Nobel Laureate, Purdue University, USA Prof. H. Junjappa, INSA – Senior Scientist, Dr. S. Chandrasekaran, IISC, Bangalore Dr. Ganesh Pandey, Director, CBMR, Lucknow Dr. T. V. RajanBabu, Professor, Ohio State University, USA Dr. A. Ajayagosh, Director, NIIST, Trivandrum Dr. Thomas J. Colocat, Johnson Matthey Co USA, Dr. H. Ila, JNCASR, Bangalore Dr.SrivariChandrashekar, Director, IICT, Hyderabad Dr. M. Periasamy, Vice chancellor, Hyderabad Central University Dr. I. N. N. Namboothiri, Professor, IIT, Mumbai	
2.	National Workshop on "NMR Spectroscopy", 10 th - 13 th September 2014.	Prof. C. L. Khetrapal (CBMR, Lucknow) Prof. S. Subramanian (IISER, Trivandrum) Prof. N. Chandrakumar (IIT, Madras) Prof. S. Ganapathy (NCL, Pune) Prof.Sankararaman (IIT, Madras) Prof. I. N. N. Namboothiri (IIT, Mumbai) Dr.Raghav G Mavinkurve (Bruker, Bangalore) Dr.Vineshvijayan (IISER, Trivandrum) Dr. Christy George (IIT, Madras)	
3.	Lecture series on "Liquid Chromatography", 9 th - 18 th December 2013.	Prof. Alain Berthod (Institute des Sciences Analytiques, Universite de Lyon - France)	



4.	Workshop on High Performance Liquid Chromatography (HPLC), 4 th & 5 th November 2013.	Dr. V. Gaitonde (Scientist, ProchromeLtd., Mumbai) Prof. Hassan Aboul-Enein Y. (Dept. of Pharmaceutical & Medicinal Chemistry, National Research Centre, Egypt) Prof. Imran Ali (JamiaMilliaIslamia - Central University, New Delhi)
5.	Lecture on "High Performance Liquid chromatography(HPLC), 4 th - 12 th November 2013.	Prof. Hassan Aboul-Enein Y. (Dept. of Pharmaceutical & Medicinal Chemistry, National Research Centre, Egypt)
6.	Workshop on High Performance Liquid Chromatography (HPLC), 30 th April – 2 nd May 2013.	Dr.Gurubsavaraj H.M.(Waters, Bangalore)
7.	Workshop on "Nuclear Magnetic Resonance: Theory and Application", 24 th - 26 th January 2013.	Dr. S. Ragothama Dr. Hanudatta S Atreya Prof. K.V. Ramanathan Prof. N. Suryaprakash (NMR Research Centre - Bangalore)
8.	Lecture on "Boron based organic chemistry",7 th - 19 th January 2013.	Prof. Bakthan Singaram (Dept of Chemistry and Biochemistry - University of California, California)
9.	Lecture on "Boron and Gadolinium Neutron Capture Therapy for cancer treatment",16 th -17 th December 2012.	Prof. Narayan S Hosmane (Dept. Of chemistry & Biochemistry - NorthernIIIionis University, USA)
10.	Lecture on "Organometalic and Bio-inorganic Chemistry",10th-14th December 2012	Prof. Anil J. Elias (Dept. of Chemistry - IIT Delhi)
11.	Lecture on "Structural Topology Optimization with applications in structural engineering and biomechanics",12 th December 2012.	Prof. Helder Rodrigues (Instituto Superior Tecnioco, Dep. of Mechanical Engineering, Libon, Portugal)
12.	Symposium on "Thoughts on Traditional and Genome based Human History" 6th November, 2012.	Prof.RjanGurukkal (Former Vice Chancellor, M. G. University) DR. R. M. Pitchappan (Director, CARE, Chennai) Shri. E. Kunjikkrishnan (University College, TVM) Dr. M. R. Rakhava Warrior (Rtd. Professor, Calicut University)
13.	Advanced Materials Characterization Techniques, May 21st - 25th,2012	Prof. K. G. Suresh (IIT, Mumbai) Prof.UnnikrishnanNayar (IISER, Trivandrum) Dr. Manoj Ramavarma(NIIST, Trivandrum)



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14.	Seminar on Research and Development in Chemical Process Development, 22 nd Sept.,2012	Prof. S.D Samanth, ICT, Mumbai
15.	Application of Magnetic Resonance Spectroscopy in scientific research.,10 th Sept.2012	Prof. K.V. Ramanathan, IISc, Bangalore
16.	Seminar on Metal Mediated Organic Synthesis, 4 th Sept.2012	Prof. I.N.N. Namboothiri, Dept. Chemistry, IIT Delhi
17.	Patenting research findings, 10 th August.,2012	Dr.Syriac Joseph, Palco consultants, UK
18.	Seminar – A review on Renewable Energy Technologies, 17 th July., 2012	Dr. P. J Sebastian, senior Scientist, CIE, UNAM, Mexico
19.	Talk - Organic Chemistry and Pharmaceutical Industry, 24 th April, 2012	Prof. K K. Balasubramaniam, IIT Madras (Retd.)
20.	Seminar on Application of two dimensional NMR in the structural elucidation of biomolecule	Dr.Vineeshvijayan, IISER, TVM
21.	Summer Workshop on Computational chemistry, May 28th - 31st, 2012	Prof. R. B. Sunoj, Dept. of chemistry, IIT Mumbai Prof.Nishanth N. Nair, Dept. of chemistry, IIT Kanpur
22.	Workshop on Advanced Materials Characterization Techniques, 21st - 25th May, 2012	Prof .V.UnnikrishnanNayar, IISER, Trivandrum Dr. S. SavithaPillai, DST Fast track Research Scientist, NIIST, Trivandrum Dr. Manoj RaamaVarma, Principal Scientist, NIIST, Trivandrum Prof.K.G.Suresh, Department of Physics, IIT, Mumbai
23.	Science Academies' Lecture Workshop on Quantum Mechanics, Molecular- Resonance Spectroscopy and Hands-on Experience in Spectroscopy, March 1 – 3, 2012	Prof.M. S. Gopinathan, IISER, TVM Prof. K.L Sebastian, IISc, Bangalore Prof.Mangala Sunder, IIT, Madras Prof.Ramasesha, IISc, Bangalore Prof. T.N Vasudevan, Calicut University Prof. N. Chandrakumar, IIT, Madras Dr. Christy George, IIT, Madras Dr. AyanDatta, IISER, TVM
24.	English Language Skill Workshop, December 22 – 23, 2011	District Centre for English (DCE - Neyyattinkara)
25.	Seminar on Genetic Structure of Indian Jewish	Dr. Mini Kariappa, Dept. Anatomy, Medical college, Kolencherry



	Diaspora, October 27 – 28, 2011	
26.	Workshop on Organometallic Chemistry, August 23- 26, 2011	Prof. Anil J. Elias, IIT Delhi
27.	Seminar associated with New student orientation programme, Sept.02, 2011	Dr. Suresh Das, Director, NIIST, TVM Dr. Manoj Ramavarma, Scientist, NIIST, TVM
28.	Workshop on Basic Principles and Applications of Computational Chemistry, May 23- 27, 2011	Prof. R.B. Sunoj, IIT Mumbai Prof. A. Anoop, IIT Kharagpur Prof.AyanDutta, IISER Trivandrum
29.	Seminar on Pharmaceutical Process Chemistry, May 17, 2011	Dr.RajappaVaidyanathan, Chemical Research and Development Division, Pfizer, Groton, CT, USA

31. Code of ethics for research followed by the departments:

(a) Plagiarism: It's mandatory for all master and PhD students to strictly adhere to plagiarism before submitting any manuscript to a journal. The central library of mahatma Gandhi University has most modern software to check plagiarism. Since last year the doctoral thesis of all researchers at mahatma Gandhi University needs to submit a plagiarism report in the thesis which should be less than 10%. Nevertheless, research scholars and master students are also given special training to use plagiarism software.

32. Student profile programme-wise:

Name of the Programme	Applications	Selected		Pass percentage	
(refer to question no. 4)	received	Male	Female	Male	Female
Integrated MSc	534	7	7	100	100

33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from outside the State	% of students from other countries
Integrated MSc (students are admitted after Higher Secondary)	NA	NA	3%	Nil
Integrated PhD				Nil



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Sl. No	Year	NET/ JRF Qualified	GATE	Kerala PSC	Others
1	2010-2016	4	7	Nil	Nil

35. Student progression:

Student progression	Percentage against enrolled		
UG to PG	NA		
PG to M.Phil.	NA		
PG to Ph.D.	60%		
Ph.D. to Post-Doctoral	NA		
Employed			
o Campus selection	Nil		
Other than campus recruitment	20%		
Entrepreneurs	Nil		

36. Diversity of staff:

Percentage of faculty who are graduates			
Of the same University	Nil		
From other universities within the State from	10% (Temporary faculty)		
Universities from other States from universities	70% (Guest/Temporary faculty)		
Outside the country 0%	20% (Guest faculty)		

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library	Available Total Number of Books - 535
b) Internet facilities for staff and students	Yes, Internet facilities available for all staff and students
c) Total number of class rooms	5
d) Class rooms with ICT facility	Yes
e) Students' laboratories	Yes



f) Research laboratories	Laboratories equipped with:
	• 400MHz BRUKER NMR
	Nitrogen Gas Generator
	Semi preparative HPLC with ELS
	Detector
	Atomic Absorption
	Spectrophotometer
	• FT – IR
	Microwave Digester
	• UV-Visible Spectrophotometer
	High Speed Refrigerated Centrifuge
	Low temperature bath
	Lyophilizer
	DC - Conductivity Measurement
	Facilities

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

Doctoral Fellow
Mr. Sarath, M
Mr. Prasanth C.P
Ms. Zabeera K.T

b) from other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university:

Programme	E-Grants	RGNF
Integrated MSc	Nil	
	(University is providing student	
	assistantship for managing	
	instrumental facilities and lab)	

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

An expert faculty council meeting will study the needs of the academic community and formulate the curriculum as per the recent advances in basic sciences. The faculty council members also take views and ideas to formulate a good curriculum after having a series of discussions with national and international experts



42. Does the department obtain feedback from

a)	Faculty on curriculum as well as	Yes, the department collects feedback	
	teaching-learning-evaluation? If yes,	from Faculty and discussions are	
	how does the department utilize the	conducted in the faculty council	
	feedback?	Meeting.	
b)	Students on staff, curriculum and	Yes, the department collects feedback	
	teaching-learning-evaluation and	from students and discussions are	
	how does the department utilize the	conducted in the faculty council	
	feedback?	Meeting.	
c)	Alumni and employers on the	Alumni meetings are conducted annually	
	programmes offered and how does	and the feedback is obtained.	
	the department utilize the feedback?		
	_		

43. List the distinguished alumni of the department (maximum 10)

First batch of Integrated MSc Programme (2009 - 2014)

Sl. No	Alumni Name	Current Position	
1	Dellamol Sebastian	PhD Programme - USA (CUNY Fellowship, USA).	
2	Anumol S	PhD Programme -Indian Institute of Science, Bangalore	
3	Ashna Shaji	PhD Programme - Indian Institute of Technology, Madras	
4	Surya K	PhD Programme -Indian Institute of Technology, Mumbai	
5	Sudheesh T. S	PhD Programme - Indian Institute of Technology, Mumbai	
6	Manish Kumar	PhD Programme – Indian Institute of Science Education and Research, Mohali	
7	Sachin Raj K.C	Scientist, Anthem Biosciences Pvt. Ltd, Bangalore	
8	Arshad Sayed M. V.	Scientist, Anthem Biosciences Pvt. Ltd, Bangalore	
9	Tharique Ahammed Ansari	Selected for PhD Programme, Louisville, Kentucky, USA	
10	Harikrishnan Nambiar	Selected for PhD Programme Louisville, Kentucky, USA	



44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Sl.	Workshop/Seminar	Resource Person
No. 1	Workshop on Maingroup and Organometallic Chemistry on October 24 – 26,2016	 Prof. Anil. J. Elais, IIT, Delhi Dr. Rajesh Kunjan Pillai, St. Albert's College, Ernakulam
2	One day International Symposium on Concurrent methodologies in Organic Synthesis - in honour of Prof.Ei-ichiNegishi(2010 Chemistry Nobel Laureate, Purdue University, USA) on 13 th February 2016	 Prof.Ei-ichiNegishi(2010 Chemistry Nobel Laureate, Purdue University, USA Prof. H. Junjappa, INSA – Senior Scientist, Dr. S. Chandrasekaran, IISC, Bangalore Dr. Ganesh Pandey, Director, CBMR, Lucknow Dr. T. V. RajanBabu, Professor, Ohio State University, USA Dr. A. Ajayagosh, Director, NIIST, Trivandrum Dr. Thomas J. Colocat, Johnson Matthey Co USA, Dr. H. Ila, JNCASR, Bangalore Dr.Srivari Chandrashekar, Director, IICT, Hyderabad Dr. M. Periasamy, Vice chancellor, Hyderabad Central University Dr. I. N. N. Namboothiri, Professor, IIT, Mumbai
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4	Lecture series on "Liquid Chromatography", 9 th - 18 th December 2013.	Prof. Alain Berthod (Institute des Sciences Analytiques, Universite de Lyon - France)
5	Workshop on High Performance Liquid Chromatography (HPLC), 4 th & 5 th November 2013.	 Dr. V. Gaitonde (Scientist, ProchromeLtd., Mumbai) Prof. Hassan Aboul-Enein Y. (Dept. of Pharmaceutical & Medicinal Chemistry, National Research Centre, Egypt) Prof. Imran Ali (JamiaMilliaIslamia - Central University, New Delhi)

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6	Lecture on "High Performance Liquid chromatography(HPLC), 4 th - 12 th November 2013.	•	Prof. Hassan Aboul-Enein Y. (Dept. of Pharmaceutical & Medicinal Chemistry, National Research Centre, Egypt)
7	Workshop on High Performance Liquid Chromatography (HPLC), 30 th April – 2 nd May 2013.	•	Dr.Gurubsavaraj H.M. (Waters, Bangalore)
8	Workshop on "Nuclear Magnetic Resonance: Theory and Application", 24 th - 26 th January 2013.	•	Dr. S. Ragothama Dr. Hanudatta S Atreya Prof. K.V. Ramanathan Prof. N. Suryaprakash (NMR Research Centre - Bangalore)
9	Lecture on "Boron based organic chemistry",7 th - 19 th January 2013.	•	Prof.BakthanSingaram(Dept of Chemistry and Biochemistry - University of California, California)
10	Lecture on "Boron and Gadolinium Neutron Capture Therapy for cancer treatment",16 th -17 th December 2012.	•	Prof. Narayan S Hosmane (Dept. Of chemistry & Biochemistry - NorthernIIIionis University, USA)
11	Lecture on "Organometalic and Bio-inorganic Chemistry",10th-14th December 2012	•	Prof. Anil J. Elias (Dept. of Chemistry - IIT Delhi)
12	Lecture on "Structural Topology Optimization with applications in structural engineering and biomechanics",12 th December 2012.	•	Prof. Helder Rodrigues (Instituto Superior Tecnioco, Dep. of Mechanical Engineering, Lisbon, Portugal)
13	Symposium on "Thoughts on Traditional and Genome based Human History" 6th November, 2012.	•	Prof.RajanGurukkal (Former Vice Chancellor, M. G. University) DR. R. M. Pitchappan (Director, CARE, Chennai) Shri. E. Kunjikkrishnan (University College, TVM) Dr. M. R. Rakhava Warrior (Rtd. Professor, Calicut University)
14	Advanced Materials Characterization Techniques, May 21st - 25th,2012	•	Prof. K. G. Suresh (IIT, Mumbai) Prof.UnnikrishnanNayar (IISER, Trivandrum) Dr. Manoj Ramavarma(NIIST, Trivandrum)



15	Seminar on Research and Development in Chemical Process Development, 22 nd Sept.,2012	Prof. S.D Samanth, ICT, Mumbai
16	Application of Magnetic Resonance Spectroscopy in scientific research.,10 th Sept.2012	Prof. K.V. Ramanathan, IISc, Bangalore
17	Seminar on Metal Mediated Organic Synthesis, 4 th Sept.2012	 Prof. I.N.N. Namboothiri, Dept. Chemistry, IIT Delhi
18	Patenting research findings, 10 th August.,2012	Dr.Syriac Joseph, Palco consultants, UK
19	Seminar – A review on Renewable Energy Technologies, 17 th July., 2012	Dr. P. J Sebastian, senior Scientist, CIE, UNAM, Mexico
20	Talk - Organic Chemistry and Pharmaceutical Industry, 24 th April, 2012	Prof. K K. Balasubramaniam, IIT Madras (Retd.)
21	Seminar on Application of two dimensional NMR in the structural elucidation of biomolecule	Dr.Vineeshvijayan, IISER, TVM
22	Summer Workshop on Computational chemistry, May 28th - 31st, 2012	 Prof. R. B. Sunoj, Dept. of chemistry, IIT Mumbai Prof.Nishanth N. Nair, Dept. of chemistry, IIT Kanpur
23	Workshop on Advanced Materials Characterization Techniques, 21st - 25th May, 2012	 Prof .V.UnnikrishnanNayar, IISER, Trivandrum Dr. S. SavithaPillai, DST Fast track Research Scientist, NIIST, Trivandrum Dr. Manoj RaamaVarma, Principal Scientist, NIIST, Trivandrum Prof.K.G.Suresh, Department of Physics, IIT, Mumbai
24	Science Academies' Lecture Workshop on Quantum Mechanics, Molecular- Resonance Spectroscopy and Hands-on Experience in Spectroscopy, March 1 – 3, 2012	 Prof.M. S. Gopinathan, IISER, TVM Prof. K.L Sebastian, IISc, Bangalore Prof.Mangala Sunder, IIT, Madras Prof.Ramasesha, IISc, Bangalore Prof. T.N Vasudevan, Calicut University Prof. N. Chandrakumar, IIT, Madras Dr. Christy George, IIT, Madras Dr. AyanDatta, IISER, TVM

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25	English Language Skill	•	District Centre for English (DCE - Neyyattinkara)
	Workshop,		
	December 22 – 23, 2011		
26	Seminar on Genetic	•	Dr. Mini Kariappa, Dept. Anatomy, Medical
	Structure of Indian Jewish		college, Kolencherry
	Diaspora, October 27 – 28,		
	2011		
27	Workshop on	•	Prof. Anil J. Elias, IIT Delhi
	Organometallic Chemistry,		
	August 23- 26, 2011		
28	Seminar associated with	•	Dr. Suresh Das, Director, NIIST, TVM
	New student orientation	•	Dr. Manoj Ramavarma, Scientist, NIIST, TVM
	programme, Sept.02, 2011		
29	Workshop on Basic	•	Prof. R.B. Sunoj, IIT Mumbai
	Principles and Applications	•	Prof. A. Anoop, IIT Kharagpur
	of Computational	•	Prof. Ayan Dutta, IISER Trivandrum
	Chemistry, May 23-27,		•
	2011		
30	Seminar on Pharmaceutical	•	Dr.Rajappa Vaidyanathan, Chemical Research and
	Process Chemistry, May 17,		Development Division, Pfizer, Groton, CT, USA
	2011		

45. List the teaching methods adopted by the faculty for different programmes:

- Power point presentation
- OHP teaching materials
- NPTEL lectures

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

- Feedback from students.
- Examination Evaluation reports
- Feedback from resource persons in conferences, special lectures

47. Highlight the participation of students and faculty in extension activities:

The Institute provides intellectual, instrumental as well as experimental support for pursuing excellence in all branches of sciences and is expected to contribute to the talent pool of researchers, specialized technicians and to the scientific community.

48. Give details of "beyond syllabus scholarly activities" of the department:

Arranging special coaching classes for cracking national leverl examinations like GATE NET CSIR etc.



49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

Yes, our institute is listed in the Nature Index in the Institution output – Weighted Fractional count : **0.14.**

The link for more details is

http://www.natureindex.com/institution-outputs/india/institute-for-intensive-research-in-basic-sciences-iirbs-mg-university/57870361140ba0d6628b456d

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The institute has applied for several national and international patents. The major contributions of the institution are in the following areas.

- 1. Importance of solvation in understanding the chiroptical spectra of natural products in solution phase: garcinia acid dimethyl ester.
- 2. A single chiroptical spectroscopic method may not be able to establish the absolute configurations of diastereomers: dimethylesters of hibiscus and garcinia acids.
- 3. Chiroptical spectroscopy of natural products: avoiding the aggregation effects of chiral carboxylic acids.
- 4. Enantiomerically pure compounds related to chiral hydroxy acids derived from renewable resources.
- 5. Synthesis of enantiopure furo [2, 3-b] pyrroles.
- 6. Palladium-Catalyzed α-Arylation Reactions in Total Synthesis.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strengths

- Patents and Publications (National and International)
- Sophisticated Laboratories for research
- Resident learning programmes.
- Collaboration with national and international universities.
- The curriculum details, instrumentation facility and the inter-disciplinary centre are complementary and constitute the knowledge centre. Learning, knowledge creation and updating of curriculum and course structure are part of the centre's activities
- Empowerment of basic science education.
- Training programs for thematic and purposeful learning and research.
- Direct participation of the students in the operation and maintenance of the



instrumentation facility and laboratory.

- Self-evolving and auto catalytic mechanism of generation of knowledge and exploitation by the same system.
- Identifying the challenges and thrust areas, priorities of knowledge and tuning the learning process accordingly.
- Curriculum is linked with skill generation.
- Facilitator and catalyst for joint programs between different institutions of higher learning and research.
- The functioning of the centre is monitored and governed by eminent experts from outside the University.
- The centre continuously updates the knowledge base in line with international trends. The updated information is used as an input for planning and development. Training and management of IPR is part-and-parcel of the curriculum.

Weakness

- Deficiency of permanent faculty and staff.
- Lack of required infrastructure
- Non availability of Permanent power supply

Opportunities

• Prospects for higher studies and jobs are enormous for our students

Challenges

• Maintenance of the highly sophisticated instruments in time and the cost involved.

52. Future plans of the department:

- To start more academic programmes in Basic Sciences.
- To equip the institution with more sophisticated instruments.
- To generate more patents and publications in various areas of research.



K. N. RAJ CENTRE FOR PLANNING AND CENTRE-STATE RELATIONS (KNRC)

1.	Name of the Department	:	KN. Raj Centre for Planning and Centre-State Relations
2.	Year of establishment	:	2012
3.	Is the Department part of a School/Faculty of the University?	:	Faculty of Social Science
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	MA
5.	Interdisciplinary programmes and departments involved	:	 The Centre pioneers in initiating innovation and incubation activities in the University under the institutional umbrella of Business Innovation and Incubation Studies. It focuses on technology and entrepreneurship (Technopreneurship) conducts programmes that involve the School of Biosciences, School of Computer Sciences, School of Chemical Sciences, School of Pure and Applied Physics, School of Environmental Sciences, Centre for Nanotechnology, etc. Open Coarse is offered as interdisciplinary programme for P G students for all the Schools. The Centre conducted training programme on 'Budgeting and Legislation' with the Gulati Institute of Finance and Taxation, Thiruvananthapuram. The programme equips students to comprehend the nuances of budget making process and a visit to State legislative assembly during budget session. The significant highlight is the programme is that it offers a plat form for the State Finance minister to have post-budget interaction with the University students and faculty.

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			The entire programme is interdisciplinary and is premised upon Economics, Public Policy, Political Science and Constitutional Law.						
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Legislation is and Taxation selected stude	The training programme conducted on Budgeting and Legislation is conducted with Gulati Institute of Finance and Taxation (GIFT), Trivandrum. It also includes selected students from colleges affiliated to Mahatma Gandhi University.					
7.	Details of programmes discontinued, if any, with reasons	:	Nil	Nil					
8.	Examination System	•	Annual/Semester/Trimester/Choice Based Credit System: Choice based Credit system –semester						
9.	Participation of the department in the courses offered by other departments	:	Classes offered by faculties for the courses offered by other departments						
10.	Number of teaching posts, sanctioned, filled and actual Professors/ Associate Professors/ Asst. Professors/others)	:	Sanctioned Filled Actual(including CAS & MPS) Professor 0 NA NA Associate 0 NA NA Professors NA NA Asst. 0 NA NA Professors Others Director (Hon.)- 1; Joint Director - 1 On Contract -3						

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	-	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 6 years
Dr. Girish Kumar R	I MIA II R	Hon. Director	International Political Economy, Entrepreneurship, International Law	10 years	8PhDs 10 M.Phils
Dr.V. Mathew Kurian	,	Joint Director	International Trade Globalisation, Indian Economy Development	44 years	12 PhDs 8 PhDs produced 30 M.Phils produced
Dr. Jose J Naduthotty	MA, PhD	Faculty on Contract	Environment Macroeconomics Public Finance	26 years	NIL



N.C Jacob	MA, M.Phil	Faculty on Contract	Econometrics Mathematical Economics	25 years	NIL
Mrs. Mrudula Mohan	MA		Banking, Microeconomics International Economics	1 year	NIL

- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : NIL
- 13. Percentage of classes taken by temporary faculty programme-wise information: $M.A\ 90\%$
- 14. Programme-wise Student Teacher Ratio::

Programme	Student Teacher Ratio
MA	4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual Technical Staff:

	Sanctioned	Filled and actual
Technical	0	0
Administrative Staff	0	3
		1 Permanent; 2 daily wages

- 16. Research thrust areas as recognized by major funding agencies:
 - Planning and Fiscal Federalism
 - Decentralized Planning and Governance
 - Plantation Economy of Kerala
 - Health Economics
 - Migration
 - Free Trade and Agrarian Economy of Kerala
 - Public Policy
 - Political Economy
 - Innovation
 - Centre-State Relations
 - Monitoring and evaluation of public policy



17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

a) National - 1

	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)
1.	WTO, Public Health and South Asia: A study with particular reference to India	2016-2018	UGC major project	8.89
2.	Business Innovation and student start up	2016-2017	Govt. of Kerala	100.00
3.	Free Trade Agreement and Agrarian Economy of India: A study with special reference to Kerala	2010-2012	UGC major project	7.00
4.	Role of Institutions in the development of Plantation Agriculture. A study of Rubber producers' societies in India	2014	Centre for Developm ent Studies	0.75

b) International - 1

	Project Title	Period	Funding agencies	Total Fund (RS)
1.	Asset Management in Local Governments	2015-16	World Bank/ Decentralisation and Analysis Cell, Govt. of Kerala	2.50

Total grants received: ₹ 119.14 Lakhs



18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

	Project Title	Period	Funding agencies	Total Fund (RS)
1.	Conducting Training programmes	2016-17	Collaboration with Gulati Institute of Finance and Taxation, Trivandrum;	Collaborative
2.	Participation in training programmes	2015-16	Institute for Studies in Industrial Development, New Delhi	projects

b) International collaboration : Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

SL.No	Project Title	Period	Funding agencies	Total Fund in Lakhs (₹)
1.	ICSSR, Delhi	2015	ICSSR for holding national seminar	2.5
2.	Institute of Parliamentary studies	2015	For conducting symposium on GST	1

Total grants received: ₹3.5 Lakhs

20. Research facility / centre with

- State recognition -NA
- National recognition -NA
- International recognition NA

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil



22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	23
2.	Monographs	Nil
3.	Conference Proceedings	Nil
4.	Chapters in Books	10
5.	Edited Books	4
6.	Books authored with ISBN	2
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	6
	Total	45

- 23. Details of patents and income generated: Nil
- 24. Areas of consultancy and income generated : Nil
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad:

Sl. No.	Name of the faculty	Laboratory
1.	Girish Kumar R	Jean Monnat Fellow, European University Institute, Florence Italy
		2. Delivered lectures at Central University of Gujarat.
		3. Delivered lecture at Swansea University, UK
		4. Paper presented at London School of Economics

26. Faculty serving in

a) National committees

Sl. No.	Name of the faculty	Laboratory
1.	Girish Kumar R	UGC nominee to Midnapore College, West Bengal (Autonomous)

- b. International committees: NIL
- c. Editorial Boards



Sl. No.	Name of the faculty	Committee
1.	Dr. Girish Kumar R	1. Journal of Political Economy and Fiscal Federalism
		2. International Journal of Politics and International Relations
		3. South Asian Journal of Diplomacy
2.	Prof. Mathew Kurian	1. Journal of Political Economy and Fiscal Federalism
3.	Prof. Jose Naduthotty	1. Journal of Political Economy and Fiscal Federalism

d. Others:

Sl. No.	Name of the faculty	Committee
1.	Girish Kumar R	Member Syndicate, University of Kerala;
		 Covener, Syndicate Subcommittee on Academics and Research, University of Kerala;
		3. Board of Studies, Political Science, Kannur University;
		4. Dean, International Co-operation Central University of Kerala;
		5. Chairman, Board of Studies (International Relations), Central University of Kerala
		6. Director (Hon.), Business Innovation and Incubation Centre, Mahatma Gandhi University

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Sl. No.	Name of the faculty	Name of the programme		
1.	Girish Kumar R	1. Girish Kumar R., Refresher Course at JNU,		
		Faculty Development Centre		

28. Student projects:

Percentage of students who have done in-house projects including inter-departmental projects	100% (PG Dissertation)
Percentage of students doing projects in collaboration with other universities / industry / institute	Nil

29. Awards / recognitions received at the national and international level:

e. Faculty:

Name of the faculty	Details
Girish Kumar R	1. Jean Monnet Fellowship, European University, Florence,
	Italy 2010 (International Level)
	2. Ministry of Trade and Commerce, WTO Chair Professor,
	Central University of Kerala(National Level)

• Doctoral / post-doctoral fellows: Nil

• Student : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Year	Seminars/ Conferences/	Source of funding	outstanding	
	Workshops		participants	
2016	Kerala Development Oxymora	ICSSR &Mahatma Gandhi University	CP Chandrasekhar MA Oommen RajasekharanNayar D Manoj Manju Nair	
2016	Goods and Service Tax (GST)	Institute of Parliamentary Studies	R Mohan Anish Rajan CP Chandrasekhar	

31. Code of ethics for research followed by the departments:

The Centre at present is not conducting any research programmes. Nevertheless, the institutional etiquettes developed by the Faculty of Social Science/ Mahatma Gandhi University is applicable to all the research/academic activities of the University.

32. Student profile programme-wise:

N. 6.1		Selected		Pass percentage	
Name of the Programme (refer to question no. 4)	Applications received	Male	Female	Male	Female
MA	180	5	7	100%	100%



33. Diversity of students:

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students from other countries
MA	42	50		8

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

SET/SLET : Nil
 NET : 4

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	25%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	Nil
Employed	
Campus selection	
Other than campus recruitment	50%
Entrepreneurs	2%

36. Diversity of staff:

Percentage of faculty who are graduates		
of the same university	25%	
from other universities within the State	75%	
from universities from other States	Nil	
from universities outside the country	Nil	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library : Yes Number of Books : 1146

b) Internet facilities for staff and students : Yes
c) Total number of class rooms : 2
d) Class rooms with ICT facility :1
e) Students' laboratories : Nil
f) Research laboratories : Nil

39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/universityb) From other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university:

• e-grantz for 18 students

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

- a) Yes. Before starting the MA programme in Economics, a need assessment was made. The emphasis is to combine the domain knowledge in Economics and Public Policy, with special reference to Centre State relations and Fiscal federalism.
- b) The Centre also started a short training Programme on Legislation in collabration with Gulati Institute of Finance and Taxation (GIFT), Trivandrum to impart training on Government Budget.

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as	Yes. The centre makes strenuous
	teaching-learning-evaluation? If yes, how	efforts to improve the quality of
	does the department utilize the feedback?	teaching by using the latest
		electronic gadgets.
b)	Students on staff, curriculum and	Yes. Based on student feedback the
	teaching-learning-evaluation and how	faculty council offers courses that is
	does the department utilize the feedback?	much required.
c)	Alumni and employers on the	The centre conducts alumni meeting
	programmes offered and how does the	annually and attempts to make to
	department utilize the feedback?	see constructive feedback to
		implemented



43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position
1.	AnsiyaRahiman	Assistant Professor
2.	Adhila	Assistant Professor
3.	Gireesh K Hari	Assistant Professor Govt. Arts College, Kattappana (contract)
4.	Arun B	Railway
5.	Binu V Varghese:	KSRTC

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Year	Name of the programme	Details (date)
2014	Manufacturing Sector in India –	Speaker Dr.Jayan Jose Thomas
	Challenges and opportunities	
2015	Malnutrition among the Tribal	Speaker Manikandan A.D
	Children: Myths and Reality	
2015	Overview of Forex Business in	Speaker Mr. Pancha Devi Negi
	Commercial Banks in India	
2016	Indian Immigrants in the UK:	Speaker Prof.Atreyi Majumdar
	Socio-Economic Implications	
	of International Movements	
2016	Budget Accounting	Prof. D Narayana

45. List the teaching methods adopted by the faculty for different programmes:

Power point presentations, Problem solving session, interactive sessions. Our class room is equipped with video conferencing facility and modern electronic gadgets that aid teaching.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Assessment through internal test and seminars and assignments

47. Highlight the participation of students and faculty in extension activities:

- Two students participated in the workshop in Intellectual Property Rights at ISID, New Delhi.
- One student participated in the National Seminar on The New Rural Paradigm: Policies And Governance, National Institute of Rural Development &Panchayati Raj, Hyderabad.
- Eleven students presented papers in the National Seminar on Kerala Development Oxymora.
- Twelve students participated in the International seminar on 'Globalisation and India's Innovation Systems: Towards Creative Destruction



• All the students and faculty members volunteered in different capacities in the startup exhibition project conducted by Business Innovation and Incubation Centre (BIIC), Mahatma Gandhi University.

48. Give details of "beyond syllabus scholarly activities" of the department:

- Students participate in programmes conducted by other institutions, participate in competitive cultural programs conducted by the University.
- All the fauclty/students of KNRaj Centre in different capacities volunteered to conduct the student Business Innovation and Incubation Centre's start-up exhibition programme
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

Different University bodies at different levels ensure quality.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The centre proposal to establish Business Incubation and Innovation centre (BIIC) was accepted by Government of Kerala. The Centre facilitated the University teaching and research departments to formally engage with industry at various levels through its student start-up exhibition. Accordingly, the industrialists were invited as experts to evaluate the student start-up projects, encouraging university industry linkage.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Capacity to win external funds (seminars, symposium) through external funding.
- Potential to raise money from external funding agencies through submission of socially relevant themes
- Potential to emerge as a research centre.

Weakness

• The centre is not having M.Phil and Ph.D Programmes, which thwart its emergence as a research centre.

Opportunities

 As the Department of Economics, the centre and its academic community have opportunities galore. Students passed out from the Centre are either employed or pursuing higher education.

Challenges

• The Centre is at its incipient stage. Creation of regular positions is still pending with the government.



52. Future plans of the department:

- 1. Resetting the centre in the new "Convergence Academy Complex".
- **2.** Initiating new emerging research areas.
- **3.** Initiating M.Phil/ PhD programmes and MOOC course on Innovation.
- 4. Conducting short-term courses on Centre-state financial relations and Budgeting in association with Gulati Institute of Finance and Taxation (GIFT), Trivandrum; conducting short-term course on Industrial Development, R & D, and IPR in association with ISID, New Delhi.



NATIONAL INSTITUTE OF PLANT SCIENCE TECHNOLOGY

1.	Name of the Department	:	National Institute of Plant Science Technology
2.	Year of establishment	:	2014
3.	Is the Department part of a School/Faculty of the		
	University?	:	Yes, Faculty of Science
	Names of Programmes		
	offered (UG, PG, M Phil,		
4.	Ph.D., Integrated Masters;		Integrated M. Sc. Ph.D. programme.
	Integrated Ph.D., DSc., D.Litt., etc)		
	Dillin, Cit. j	•	School of Biosciences, Inter University Centre
	Interdisciplinary		for Organic Farming and Sustainable
5.	programmes and		Agriculture. Students are taking Open Courses
	departments involved		from other Departments like Nanoscience,
	Courses in collete 4i-	-	Environmental science, Physics etc
	Courses in collaboration with other universities,		
6.	industries, foreign		NIL
	institutions, etc		
	Details of programmes		NIL
7.	discontinued, if any, with		
	reasons		
8.	Examination System		Semester (Credit and semester System)
	Participation of the		
9.	department in the courses		Nil
	offered by other departments		
	Number of teaching posts,		
	sanctioned, filled and		
10.	actual (Professors/		Nil
	Associate Professors/ Asst.		111
	Professors/ others)		



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr.Jisha M.S.	Ph. D.	Professor and Coordinator	Microbiology	16	Ph.D 9 M.Phil5

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- Dr. J. G. Ray, Professor, School of Biosciences, M.G. University, Kottayam.
- Dr. Valsalakumar. N, Retd. HOD Dept. Of Botany Govt. College, Nattakom
- Shri.Rajagopal.R, Retd. Associate professor, Department of Botany, SN College Kollam
- Shri.George Mathew Murikken, Retd. Associate Professor, Department of Botany, Devamatha College, Kuravilangad
- Dr.Marykutty Abraham, Retd. Associate professor, Department of Botany, St.Joseph College, Alappuzha
- Prof.C.GVargese, Retd. Associate professor, Department of Botany, St. Thomas College, Kozenchery
- Dr.K.Mary Varghese, Retd. Associate professor, Department of Botany, St. Thomas College, Kozenchery
- Dr.Domanic V.J, Retd. Associate professor, Department of Botany, S.H.Thevara
- Dr. Amith Abraham, Research Associate, Rubber Research Institute of India (RRII), Kottayam
- Dr.AjuK .Ashok, Research Associate, CTCRI, Thiruvananthapuram
- Dr.Sharrel Rebello, Research Associate, Unibiosis, Cochin
- Dr. Joy P Joseph, Rtd. Professor, Sacred Heart College, Thevara, Cochi
- 13. Percentage of classes taken by temporary faculty 90%
- **14. Programme-wise Student Teacher Ratio:** M. Sc 2:1
- 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: Technical Staff: 01, Administrative Staff: 01



16. Research thrust areas as recognized by major funding agencies

- Organic farming
- Algal technology
- Industrially important biocatalysts.
- Bio-fertilizers
- Bio-pesticides
- Phytochemistry and pharmacognosy
- Eco-technologies such as phytoremediation
- Bioremediation
- Biofuel
- Nutraceuticals
- Phytosynthesis of nanoparticles
- Technology for conservation of bio-resources and seed-technology
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

One (Coordinator Dr.Jisha M.S)

National:

Sl. No	Project Title	Period	Funding agencies	Total Fund (₹)
1.	Bioremediation of Chlorpyrifos by autochthonous microbial consortia	2016-2019	KSCSTE	25 Lakhs

Total grants received: ₹ 25 lakhs

- 18. Inter-institutional collaborative projects and associated grants received: Nil
 - a) National collaboration
- b) International collaboration
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.: Nil
- **20.** Research facility / centre with: Nil
 - State recognition -- Ten students completed their M.Sc research projects. At present 12 students from affiliated colleges are doing their dissertation works
 - national recognition
 - international recognition



21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	29
2.	Monographs	-
3.	Conference Proceedings	23
4.	Chapters in Books	2
5.	Edited Books	1
6.	Books authored with ISBN	1
7.	Books authored without ISBN	-
8.	Articles in popular publications	-
9.	Total	56

- 23. Details of patents and income generated: Nil
- 24. Areas of consultancy and income generated: Nil
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad:
 - 1. Invited participation with free registration at the 4th International Conference on Nanotechnology and Basic Science (ICN2016), 4-5 February 2016, Dubai. Emirates
- 26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other (please specify)
 - Dr. Jisha. M.S. (Coordinator)
 - 1. Chaired one session at the 4th International Conference on Nanotechnology and Basic Science (ICN2016), 4-5 February 2016, Dubai. Emirates
 - Invited participation with free registration at the 4th International Conference on Nanotechnology and Basic Science (ICN2016), 4-5 February 2016, Dubai. Emirates
 - 3. Participated the International Conference On Advances in Applied Science and Environmental Engineering ASEE 2014, Institute of Research Engineers and Doctors (IRED), at Kuala Lumpur, Malaysia



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).NA

- 1. Conducted advanced Training on Hazard Analysis and Critical Control Points (HACCP Level III) with international certificate
- 2. National Seminar on "Plant Science Technology for Sustainable World" sponsored by KSCSTE and M.G.University.

28. Student projects

- Percentage of students who have done in-house projects including interdepartmental projects 100%
- percentage of students doing projects in collaboration with other universities / industry / institute Nil

29. Awards / recognitions received at the national and international level by

- Alan Thomas S received Best paper presentation award at International seminar on emerging trends in organic farming and sustainable agriculture held at Kottayam during 29th to 31st December 2016
- Anto Joseph got Best paper presentation award at The National Seminar on Plant science Technology for sustainable world held at Kottayam during February 25th -26th 2016
- Anto Joseph got UGC NET

30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

Seminars/ Conferences/ Workshops organized	Source of funding	National / International	outstanding participant
Advanced Training On Hazard Analysis and Critical Control Points (HACCP Level III)with international certificate . 9-13 December, 2015	Registration Fee	National	Dr Shaji Philip, Scientist, Rubber Research Institute of India
National Seminar on "Plant Science Technology for Sustainable World" Feb25-26. 2016	M.G. University & KSCSTE	National	Dr. Krishnaraj, P.U., Professor & Head, Dept. of biotechnology, University of Agricultural Sciences, Dharwad, Hubli



31. Code of ethics for research followed by the departments: It's mandatory for all master and PhD students to strictly adhere to plagiarism before submitting any manuscript to a journal

32. Student profile programme-wise:

Name of the		Selected		Pass percentage	
Programme (refer to question no. 4)	Applications received	Male	Female	Male	Female
Integrated M.Sc. Ph.D.	210	3	7	100	100

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Integrated M.Sc.				
Ph.D.	66.6%	33.3%	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

GATE- one NET-one

35. Student progression: Nil

Student Progression	% against enrolled	
UG to PG	Nil	
PG to M.Phil	Nil	
PG to Ph.D	Nil	
Ph.D to Post Doctoral	Nil	
Employed by Campus Selection	Nil	
Other than Campus recruitment	Nil	
Entrepreneurs		



36. Diversity of staff

Percentage of faculty who are graduates			
of the same university	100%		
From other universities within the State			
From universities from other States			
From universities outside the country			

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period - Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library -Yes
- b) Internet facilities for staff and students -Yes
- c) Total number of class rooms One
- d) Class rooms with ICT facility -Yes
- e) Students' laboratories Yes
- f) Research laboratories Yes

39. List of doctoral, post-doctoral students and Research Associates: Nil

- a) from the host institution/university
- b) from other institutions/universities

40. Number of post graduate students getting financial assistance from the university. Nine

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The feedback given by students and stake holders are the basic matrix for identifying the new programme and it will be discussed in the executive committee of NIPST. The final draft will be submitted to university for approval

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The curriculum as well as departmental activities is under constant monitoring of a Core Committee and an Executive council.

- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Student feedback forms will collect occasionally and modifications will be done accordingly
- c) Alumni and employers on the programmes offered and how does the department utilize the feedback? The centre started only during 2014-15



43. List the distinguished alumni of the department (maximum 10): Nil

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- ✓ Erudite lecture by Dr. Krishnaswami, A., IIM Kozhikode
- ✓ Dr Shaji Philip, Scientist, Rubber Research Institute of India took classes for Advanced Training On Hazard Analysis and Critical Control Points (HACCP Level III) with international certificate during 9-13 december.2015
- ✓ Dr. Krishnaraj, P.U., Professor & Head, Dept. of biotechnology, University of Agricultural Sciences, Dharwad, Hubli gave keynote address during the National Seminar on "Plant Science Technology for Sustainable World "during 25-26 Feb,2016
- ✓ Dr.muhammad Hatha, Professor, Cochin university of science and technology; Dr.james,Professor,Amal Jyothi college of Engineering;Dr.George Thomas.Dean,Kerala Agriculture University handled classes on Workshop on Creative writing for tapping funding resources and effective publication during 27-28 Feb 2017
- ✓ Conducting classes of academic experts like Range Officer, Vallakkadavu Jayachandran; Deputy Director Periyar Tiger Reserve Dr.Radhakrishnan

45. List the teaching methods adopted by the faculty for different programmes.

• Theory classes, smart classes, Demonstration, Field visits, Industrial visit, study tour, Lab to Land Programme, conducting classes of academic experts

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Internal assessment will be done. Internal marks are giving based on assignment, seminar and class tests.

47. Highlight the participation of students and faculty in extension activities.

- Exploration of flora
- Plant Identification services
- Conduct field survey of plant diversity
- Practicing organic agriculture strategies to farmers
- Conduct awareness classes on sustainable agricultural practices
- Charitable activities

48. Give details of "beyond syllabus scholarly activities" of the department.

- Nature club
- Journal club
- Lab to Land Programme
- Industrial/field visit
- Study tour



- Eco tourism
- Associated with the Organic farming venture of M.G. University
- Conduct awareness classes on sustainable agricultural practices
- Conducting workshops and seminars
- Charitable activities
- Erudite Programme
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- ✓ The publications (64) and seminar presentations (60) made by the coordinator stand testimony to the new knowledge developed in the centre
- ✓ Expected to lead to high quality research output in the form of quality publications and patents in Plant Science as well as to promote entrepreneurship in plant-based eco-technologies.
- ✓ Developing plant herbarium
- ✓ Developing culture bank of plant growth promoting microbial isolates
- ✓ Developing micropropagation methodologies for economically important plants
- ✓ Developing molecular markers for traditionally important plants
- ✓ Developing secondary metabolite production strategies from plant cell culture
- ✓ Associated with the Organic farming venture of M.G. University.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

- Qualified students
- Resource persons from multidisciplinary area
- Can link science and Technology

Weakness

- Lack of Infrastructure
- Lack of initial funds for beginning research activities
- Lack of regular faculties

Opportunities

- Immense plant wealth & plant diversity in the region
- Increasing demand of plant based technologies
- Promotion of eco-friendly practices and green industries by government/society



Challenge

- Permanent research guides
- Difficult to arrange placement
- Time delays

52. Future plans of the department

- Introducing M.Phil. Botany in the next academic year.
- Introducing Advanced Diploma in Food Quality and Safety management.
- Developing plant herbarium.
- Developing culture bank of plant growth promoting microbial isolates.
- Developing micro propagation methodologies for economically important plants.
- Developing molecular markers for traditionally important plants.
- Developing secondary metabolite production strategies from plant cell culture



UNIVERSITY CENTRE FOR INTERNATIONAL CO-OPERATION (UCIC)

1.	Name of the Department	:	University Centre for International Co- operation(UCIC)				
2.	Year of establishment	:	2010				
3.	Is the Department part of a School/Faculty of the University?	:	No, Inter Scho	ool Centre			
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	No Regular Pr	rogrammes			
5.	Interdisciplinary programmes and departments involved		Acting as a coordinating Centre for admission and academic related activities of international students in various schools/ departments/ centers for which it interacts with different departments.				
6.	Courses in collaboration with other universities, industries, foreign institutions, etc		Collaborated with the following institutes during 2011- 13. Institute of Political Studies (IEP) Rennes, France IEP of Bordeaux, Sciences PO, Bordeaux, France				
7.	Details of programmes discontinued, if any, with reasons		No				
8.	Examination System		No such syste courses	m since the co	entre is r	not having regular	
9.	Participation of the department in the courses offered by other departments		The international students can opt for open courses conducted by other departments				
10.	Number of teaching posts, sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others)		Professor Associate Professors Asst. Professors	Sanctioned	Filled	Actual(including CAS & MPS)	
	,		Others There is on	e Honorary D		an Honorary Joint	



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. / M.Phil students guided for the last 6 years
Dr.Sajimon Abraham	M.C.A, M.Sc(Maths), M.B.A, Ph.D.	Assistant Professor	Computer Applications and Information Technology	26	6
Dr. C Vinodan	M.A, Ph.D	Assistant Professor	International Relations	17	15

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Prof.Jia Haitao, Director, Institute for Chindian Studies, Jinan University Prof. David G. Baker, Fulbright Senior Specialist, USA

13. Percentage of classes taken by temporary faculty – programme-wise information: Nil

14. Programme-wise Student Teacher Ratio: NA

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled and actual
Technical	0	0
Administrative Staff	0	3

16. Research thrust areas as recognized by major funding agencies:

- India Study Programme
- Semester Abroad Programme
- International Faculty Interaction through Summer Schools and FDP
- MOU & International Institution Membership



17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

 Dr.Sajimon Abraham, completed the UGC sponsored Minor Research Project titled
 "Moving Object Data Base implementation on Security Informatics, worth Rs 1lakh in July 2011

18. Inter-institutional collaborative projects and associated grants received:

- Collaboration with School of International Relations and Politics, School of Computer Sciences and K.N Raj Centre for Seminar and Conference co-ordination
- Association with Federation of Indian Commerce & Industries for implementing National Knowledge Network.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

- UCIC received a financial award of Rs. 10 Lakhs from Higher Education Council, Government of Kerala for promoting India Study Programme during 2014-15
- UCIC received the grant of Rs. 25 lakhs from state government for various activities of the centre during 2015-16.

20. Research facility / centre: Nil

- state recognition
- national recognition
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	11
2.	Monographs	1
3.	Conference Proceedings	5
4.	Chapters in Books	5
5.	Edited Books	2
6.	Books authored with ISBN	0
7.	Books authored without ISBN	0
8.	Articles in popular publications	0
	Total	24



- 23. Details of patents and income generated: Nil
- 24. Areas of consultancy and income generated: Nil
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :
 - Honorary Director of the UCIC visited Jinan University as well as Catholic University of Korea (CUK) during October-November 2011.
 - Honorary Director UCIC jointly with Dr. K.M Seethi, Dean, Faculty of Social Sciences, Mahatma Gandhi University participated in the International Conference on Buddhism and World Culture organized by Jinan University, China as well as in a One Day Colloquium on the theme India and South Korea.

26. Faculty serving in

a) National and International committees

- The Director, UCIC is a member of National Knowledge Network of FICCI, for promoting internationalization of Education.
- Dr.Sajimon Abraham, is Technical Programme Committee member of International Conference on Data Base System to be held at Geneva in December 2017.
- The Joint Director, UCIC is a member of Global Academia group, a faculty forum for the promotion the inward movement of International students in Kerala.
- Joint Director is serving as a member of International academia member
- Dr.Sajimon Abraham became the Member Board of studies in Computer Applications (P.G), M.G University in February 2015.
- Dr.Sajimon Abraham become the Member Board of studies in Management(P.G) Kannur University with effect from December 2015 for a period of 3 years.
- Dr.Sajimon Abraham assisted in the Committee on API Score evaluation for the Promotion of teachers in making API format and instructions according to UGC guidelines.
- Dr.Sajimon Abraham took initiative taken to setup smart class room with Virtual Learning facility at SMBS
- Dr.Sajimon Abraham has co-ordinated add-on programme titled "Short term course on Business Data Analysis using Tally & Excel" for final Year MBA students as part of Additional Skill Acquisition to make the students employable (December 2015 March 2016).
- Dr.Sajimon Abraham became Member e-learning Technical Committee, Coordinator of University Alumni Activities.



• Dr.Sajimon Abraham became Member of Executive Committee of Inter University Centre for Chinese Studies, M.G University

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs)

- UCIC is organizing orientation programmes for newly joined International Students to familiarize them the culture and academic system.
- Participated in 3 workshops in connection with e-governance of M.G University
- Co-ordinated the Placement Drive conducted at SMBS on 14th September2014 for MBA students.
- Co-ordinated the NAAC pre-presentation programme of the department before the IQAC committee of M.G University.

28. Student projects: Nil

- o percentage of students who have done in-house projects including interdepartmental projects
- o percentage of students doing projects in collaboration with other universities/industry/institute

29. Awards / recognitions received at the national and international level:

- Faculty: Nil
- Doctoral / Post-doctoral fellows
- Students: Ph.D Awarded to Mr. El. Hadji Mamour Sakho

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- Hosted Prof. Jia Haitao, Director, Institute for Chindian Studies, Jinan University, Guangz hou, China as the KSHEC sponsored Erudite Scholar-in-Residence during January 2011.
- Hosted invited Special Lecture by Ambassador Vinod C. Khanna on the theme *Rise* of China: Implications for the Rest of the World jointly with the Public Diplomacy Division of Ministry of External Affairs (MEA), New Delhi.
- The School of International Relations and Politics jointly with the UCIC organized a One Day Symposium on the theme *China and the Emerging World Order: Is Peaceful Rise Possible?* on 23 December 2011.
- UCIC hosted the Erudite Scholar-in-Residence Programme of Prof. Jane Knight during December 2011 February 2012.
- UCIC hosted the Fulbright Senior Specialist Programme of Prof. David G. Baker, Fulbright Senior Specialist, USA jointly with the School of International Relations and Politics, June 2011.



- Honorary Director of the UCIC visited Jinan University as well as Catholic University of Korea (CUK) during October-November 2011.
- Honorary Director UCIC jointly with Dr. K.M Seethi, Dean, Faculty of Social Sciences, Mahatma Gandhi University participated in the International Conference on Buddhism and World Culture organized by Jinan University, China as well as in a One Day Colloquium on the theme India and South Korea, February 2012.
- Co-ordinated the international conference on "Understanding India" held during April 2015 along with "Rajiv Gandhi Chair" and Center for China Studies.

31. Code of ethics for research followed by the departments:

The International students who join for research in humanities and Social Sciences has to take an authorisation on the privacy of the research data they are collecting related to their study. Also they have to use licensed software. The center follows strict control over plagiarism related issues along with other schools/centers of the University.

32. Student profile programme-wise:

Forty Eight International Students has been admitted to various Schools of the University/ Affiliated Colleges during 2010-15 under ICCR sponsored scheme/direct candidate.

List of Foreign Students Admitted to Mahatma Gandhi University Teaching Departments/Affiliated Colleges through the ICCR Sponsored Cultural Exchange Schemes/Direct Candidates from 2010-2015

	2010-2011						
Sl. No.	Name of the Student	Country	Course and Scheme	College/ School			
1.	Ms.Louise Pageot	France	M.A Politics and International Relations (MoU)	SIRP, MG University			
2.	Ms.Marie Houdin	France	M.A Politics and International Relations (MoU)	SIRP, MG University			
3.	Ms.Pauline Calvez	France	M.A Politics and International Relations (MoU)	SIRP, MG University			
4.	Mr.Antoine De Seigneurens	France	M.A Politics and International Relations (MoU)	SIRP, MG University			
5.	Mr.VincentSacau	France	M.A Politics and International Relations (MoU)	SIRP, MG University			
6.	Ms.GaoWenjing	China	M.A Politics and International Relations (Exchange)	SIRP, MG University			
7.	Mr.Tran Minh Nhan	Vietnam	M.A Politics and International Relations (ICCR/CE)	SIRP, MG University			
8.	Ms.Elif Bali	Turkey	M.Phil Politics and International Relations (ICCR/CE)	SIRP, MG University			
9.	Mr.Tito R Mhagama	Tanzania	MBA (ICCR/CE)	SMBS, MG University			



2011-2012

1	Name of the Student	Country	Course and Scheme	College/School
1	Ms.Oceng Frede Amito	Uganda	M.Sc Food Service Management (ICCR/CE)	Assumption College, Changanacherry
2	Ms.Lwamusai Marsha	Uganda	MBA (ICCR/CE)	Girideepam Institute of Advanced Learning, Kottayam
3	Mr.Kamya Joseph	Uganda	B.Com (ICCR/CE)	FCMS, Chry
4	Ms.GaoWenjing	China	M.A Politics and International Relations (MoU)	SIRP, MG University
5	Mr.Tran Minh Nhan	Vietnam	M.A Politics and International Relations (MoU)	SIRP, MG University
6	Mr.MwanjeSsenono Aloysius	Uganda	M.Sc. (IT) (ICCR/CE)	UCAS, Pathanamthitta
7	Ms.Hanna Barbara Urbanska	Poland	PDF (ICCR/CE)	School of Letters , MG University
8	Ms.MalletOriane	France	M.A Politics and International Relations (MoU)	SIRP, MG University
9	Ms.Caillon Marine	France	M.A Politics and International Relations (MoU)	SIRP, MG University

2012-2013

Sl. No.	Name of the Student	Country	Course and scheme	College/School
1	Mr. El. Hadji Mamour Sakho	Senegal	Ph.D. (ICCR/ ASS)	SPAP , MG University
2	Mr.MwanjeSsenono Aloysius	Uganda	M.Sc. (IT) (ICCR/CE)	UCAS, Pathanamthitta
3	Mr.ZhussipZhumagaliyev	Kazakhstan	M.A. Politics and International Relations (ICCR/GCSS)	SIRP, MG University
4	Mr.ImaniraroraLote	Rwanda	Master in Comp.Sc./IT (ICCR/ASS)	SCS, MG University



5	Mr.Sho Tanaka	Japan	M.A. Politics and International Relations (ICCR/CEP)	SIRP, MG University
6	Ms. Céline Di Mantova	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
7	Ms. Alma Laplace	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
8	Ms.ChloéDelpierre	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
9	Mr. Simon Cannone	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
10	Mr.Derouault Jean-Baptiste	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
11	Ms. Jessica K. Haven	United States	M.A. (Development Studies) Independent	SGTDS, M.G. University

2013-2014

Sl. No.	Name of the Student	Country	Course and scheme	College/School
1	Mr. TigranGhazaryan	Armenia	MBA (GCSS)	Girideepam, Kottayam
2	Mr. Ravneel Prakash Mani	Fiji	B.Sc. (Comp. Sc.) (GCSS)	UCAS, Pullarikunnu
3	Mr. Kwasi Mensah Nyarko	Ghana	M.A. Politics and International Relations (ASS)	SIRP, MG University
4	Ms. Ni LuhHindy Citra SatyawatiInggas	Indonesia	B.A. Economics (GCSS)	K.E. College, Mannanam
5	Mr. AdoumIdrissAdoum	Chad	M.A. Politics and International Relations (ASS)	SIRP, MG University
6	Mr. Joseph Phillipo	Tanzania	M.Sc. (Comp. Sc.) (ASS)	SCS, M.G. University
7	Mr Lucas Pardal	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
8	Mr Hugo Chene	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
9	Mr.Feyisa Rita Melaku	Ethiopia	Ph.D. in Social Work (ASS)	SGTDS, MG University



2014-2015

Sl. No.	Name of the Student	Country	Course and scheme	College/ School
1	Ms. Ni LuhHindy Citra SatyawatiInggas	Indonesia	B.A. Economics (GCSS)	K.E. College, Mannanam
2	Mr. AdoumIdrissAdoum	Chad	M.A. Politics and International Relations (ASS)	SIRP, MG University
3	Mr.Corentin Maurice Daniel Mercier	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
4	Ms.Fanny Jeanette Marie JosepheRagot	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
5	Ms.Julie Marie Rousseau	France	M.A. Politics and International Relations (MoU)	SIRP, MG University
6	Mr. Hay Sambo	Cambodia	M.Sc. (Comp. Sc.) (Mekon Ganga Scholarship Scheme)	SCS, M.G. University
7	Mr. You Vanndy	Cambodia	M.Sc. (Comp. Sc.) (Mekon Ganga Scholarship Scheme)	SCS, M.G. University
8	Ms. Ellen TwamangulukaNghikembua	Namibia	M.Sc. Psychology (ASS)	SBS, M.G. University

2015-2016

Sl. No.	Name of the Student	Country	Course and scheme	College/School
1	Ms. Camille Nelly Madeleine	France	M.A. Politics and International Relations (MoU)	SIRP, MG University



33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
No Regular programme-	-	-	-	100

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: NA

35. Student progression: N.A

36. Diversity of staff:

Percentage of faculty who are graduates		
Of the same university	50%	
From other universities within the state	50%	
From universities from other State	Nil	
From Universities outside the country	Nil	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: N.A

38. Present details of departmental infrastructural facilities with regard to

a) Library : Nil

b) Internet facilities for staff and students : Common Least line Fibre Optics Cable Connection available

c) Total number of class rooms : Nil

d) Class rooms with ICT facility : Nil

e) Students' laboratories : Nil

f) Research laboratories : Nil



39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university: 2

b) from other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university: 1

Under semester abroad programme, UCIC could provide financial assistance to meet the travel expenditure of Miss. Chithira V Kartha, a P.G students of IIUCNN for doing M.Sc project at Max Plank Institute, Germany.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

The centre is collecting the academic performance of the students every six months from the respective departments in addition to the statutory requirements from ICCR office, Trivandrum. The response regarding the courses and programmes are generally used for suggesting change requirements in the existing programmes as well as identifying new programmes to be offered in various departments.

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

UCIC is collecting the feedback of student academic performance from the respective school/department. This feedback is used for guiding the students and also to inform the department some measures to be taken for strengthening the academic programme.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The Centre has collected feedback about the institution they have studied, hostel accommodation, university system etc. from international students who returned after their studies.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

The passed out international students who are now in their own country or some other country are taking part in the alumni feedback through e-mail. Based on their response some measures are taken in the international students admission process as well as giving recommendations to Schools providing valuable inputs to include some international academic requirement in the curriculum.

43. List the distinguished alumni of the department (maximum 10):

The international students who return back to their country are either continue their studies in some other country or finding jobs in or outside their country. Some of the distinguished alumni's to be highlighted in this context are



Mr. El. Hadji Mamour Sakho	Senegal	Ph.D. (ICCR/ASS)	Doing Post-Doctoral Studies in South African University
Mr.Tito R Mhagama	Tanzania	MBA (ICCR/CE)	Holding Administrator Post in Insurance Division, Tanzania

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

- The Programmes and activities of the UCIC were inaugurated during December 2010, with an International Conference commemorating the Hiroshima Peace Day. A Japanese delegation led by Hiroshima Legend Mr. Takashi Teramoto visited the university on the occasion and an Exhibition on the Hiroshima tragedy as well as the One Day Symposium was organized during 11-12 August 2010.
- Hosted invited Special Lecture by Ambassador Vinod C. Khanna on the theme *Rise of China: Implications for the Rest of the World* jointly with the Public Diplomacy Division of Ministry of External Affairs (MEA), New Delhi during 2011.
- The School of International Relations and Politics jointly with the UCIC organized a One Day Symposium on the theme *China and the Emerging World Order: Is Peaceful Rise Possible?* on 23 December 2011.
- UCIC hosted the Erudite Scholar-in-Residence Programme of Prof. Jane Knight during December 2011 February 2012.
- UCIC hosted the Fulbright Senior Specialist Programme of Prof. David G. Baker, Fulbright Senior Specialist, USA jointly with the School of International Relations and Politics during 2012.
- Dr. Raju K. Thadikkaran, Honorary Director of the UCIC visited Jinan University as well as Catholic University of Korea (CUK) during October-November 2011.
- UCIC officials and foreign students studying in MGU participated in the International Students Meet jointly organized by the KSHEC and ICCR, New Delhi at Trivandrum during January 2015.
- The University Centre for International Cooperation (UCIC) established the India Study Programme for international students as part of the internalization programme in Mahatma Gandhi University. The India Study programme was supported by the Kerala State Higher Education Council.
- Launched a separate website for international students during 2015
- Published an international brochure for promoting India Study programme during 2015



45. List the teaching methods adopted by the faculty for different programmes:

In addition to usual lecture method the faculty members uses Information Technology tools like power point presentation, website, e-mails, blog, case studies, field visit etc. The proposal for making the e-content for 23 India study programme and offering the short term programme modules will certainly enhance the quality teaching learning process.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Every international students studying in the campus have to compulsorily submit their academic progress every six months through the director of the School/Center. The fulfilments of the academic objectives of the center can be judged with the above process. The executive meetings of the center held once in six months or at any time due to urgency, discuss all such matter and appropriate decision were taken for better planning and control for academic transactions ultimately aiming at effective international co-operation.

47. Highlight the participation of students and faculty in extension activities:

The center encourages the international students to participate in various workshop and seminars held around in connection with internationalization of education, Indian and Kerala cultural highlights.

48. Give details of "beyond syllabus scholarly activities" of the department:

- UCIC initiated various measures so as to ensure reservation of seats for foreign students and research scholars from abroad in all academic departments in the university, constituent colleges, Off-Campus centers as well as affiliated colleges
- UCIC initiated measures whereby Mahatma Gandhi University has streamlined the admission process for foreign students admitted to Mahatma Gandhi University through MoU, ICCR sponsored Cultural Exchange Scheme as well as Exchange Schemes.
- At the UCIC initiative, Mahatma Gandhi University has established International Scholars Hostel (Ladies and Gents) as well as studio apartment accommodation facility for senior foreign scholars. These facilities are being provided in the house leased out for the purpose until permanent facilities shall be made available in the university campus.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

The international students studying in various departments are coming under respective regulatory bodies like AICTE, NCTE, ICCR, UGC etc. The University is accredited with NAAC with a grade of B+ and now preparing for re-accreditation with NAAC.



The MBA and MTech programmes are approved by AICTE.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- Initiated steps in making "Regulation for International Students Admission" to smoothen the yearly admission process.
- Short-term Course Modules on India for foreign students about Indian policy, society, economy, culture, history and philosophy creation of course documentation started
- International Summer School for young scholars from abroad planning in final stage
- Sanctioned a travel grant of Rs 1 lakh to a student in IUCNS to go to foreign country under semester abroad programme.
- MoU with reputed institutions from abroad.
- International Scholars Hostel (ISH) for boys and girls separately in established and managing by taking private houses on lease agreement.

Publications of Dr.Sajimon Abraham, Honorary Director

- Sajimon Abraham. And SojanLal, P. Spatio-Temporal Similarity of Web User Session Trajectories with Applications to Dark Web Environment. In the Proceedings of IEEE Asia Pacific Workshop on Intelligence and Security Informatics (PAISI 11), Springer-Verlang Series of Lecture notes in Computer Science,(LNCS), ISBN: 978-3-642-22038-8, Vol, 6749, Beijing, China, 2011,1-10. Won the second best paper award
- Sajimon Abraham and Sojan Lal, P. Spatio-Temporal Queries and Triggers in Moving Object Databases with Advantageous of Dimension Reduction. In the Book on Communication and Computing, School of Computer Sciences, Mahatma Gandhi University, Kottayam, 2011. Won the second best paper award
- Sajimon Abraham. And SojanLal, P. WEBTRACLUS A Spatio-Temporal Trajectory Clustering Tool for Personalization in Healthcare Web Portals. In Proceedings of ACM PETRA held at Greece, 2011.
- Sajimon Abraham. And Sojan Lal, P. Trajectory Clustering of Network Constrained Moving Objects and Applications to Web Usage Mining. In the Interdisciplinary journal Accuman published by Marian College, Kuttikkanam, ISBN 0975-6981, 2011.
- Sajimon Abraham, P. Sojan Lal, Dais George, Trajectory Similarity in Spatio-Temporal data bases and applications in Climatologically study, accepted in the Proceedings of 24th Kerala Science Congress, to be held at Rubber Board, Kottayam on 29-31 January 2012.



- Sajimon Abraham, P.SojanLal, *Spatio-Temporal Similarity of Network Constrained Moving object Trajectories using Sequence Alignment of travel locations*. Published in Elsevier Journal of Transportation Network Research, Part C, April 2012.(Impact factor 1.9).
- Mobility Mining Techniques for Big Data Analysis in Supply Chain Traffic" coauthored with Dr. Sajimon Abraham, 3rd IIMA International Conference on Advanced Data Analysis, Business Analytics and Intelligence April 13-14, 2013, IIM Ahmedabad.
- Paper Titled "Optimization techniques in RFID data management in Supply Chain" published in "International Journal of Computer Applications", Jan 2014.
- Paper titled "Big data analysis using in-memory techniques" published in the proceeding of the National Seminar on Computing and Communications held at Sri Bhudha College, Pattoor, March 2014.
- Sajimon Abrhaham, Lumy Joseph, "Role of Cloud Computing in Educational Data Mining" Published in the U.G.C sponsored National Conference Proceedings organized by M.E.S College, Nedumkandam on 15-17 June 2015.

Publications C.Vinodan, Joint Director, UCIC

- Publications C.Vinodan (co-author) (2012): The EU–India Relations: Towards A New Partnership in the Asian Century, *Journal of Asian Politics*, Vol. 11, No. 2.
- C.Vinodan (2012): "Strategic Dimensions of China's South China Sea Policy: Implications for International Relations, *South Asian Journal of Diplomacy*, Vol. 3, No. 3.
- C.Vinodan (co-author) (2013) Regionalism and Regional Cooperation in International Relations: A Conceptual Analysis, *Online International Interdisciplinary Research Journal*, Volume-III, Issue-VI, Nov-December.
- C.Vinodan (2013): "The Rise of China and the Maritime Dispute in the South China Sea," *Southeast Asian Journal of Social and Political Issues*, Vol.1, No.3.
- C Vinodan (co-author) (2013): "Energy Security: A Multivariate Analysis of Emerging Trends and Implications for South Asia," *India Quarterly, Dec* 69: 383-400.
- of Dr. C. Vinoden, Joint Director, UCIC
- C.Vinodan (ed.)(2014), *South Asia in the Globalised World*, New Delhi: New Century Publishers.
- C.Vinodan (2013): "China, US and South China Sea Dispute," in Mohanan B. Pillai (ed.), *India's National Security: Concerns and Strategies*, New Century Publishers, New Delhi.



- C.Vinodan (2014): "China and the Emerging Global Energy System," *Journal of International Studies*, Vol.10.
- C.Vinodan (2015): *Energy Security Choices for India*, New Delhi: New Century Publishers.
- C.Vinodan & Rajesh Kuniyil (2015): "Energy Security and Climate Change: Problems and Prospects in India-Australia Relations," *ISDA Journal*, Vol. 10.
- C. Vinodan (2015): Regional Connectivity and Energy Security in South Asia: Challenges and Opportunities, in Mohanan B.Pillai &Alduri Subramanyan Raju (Eds.), Connectivity and Integration in South Asia, Kalpaz Publications, New Delhi.
- C. Vinodan (2015): Nuclea South Asia; Strategic and Security Dimensions, in Suresh R (Ed.), The Changing Dimensions of Security: Indias Security Policy Options, Vij Books Ind Pvt Ltd, New Delhi. ISBN 978-93-84464-80-6.
- C.Vinodan & Rajesh Kuniyil (2015): "Energy Security and Climate Change: Problems and Prospects in India-Australia Relations," *ISDA Journal*, Vol.10.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strengths

- M.G University's strategic location in the most attractive tourist receiving state of Kerala is a major attraction for international students.
- The University which is named after the father of the nation "Mahatma Gandhi" prompt many international students to join Mahatma Gandhi University.
- The University is having a mix of diverse departments/schools where plenty of choices for learning.
- The faculty members have excellent expertise to undertake challenging problems.
- The cost effectiveness of education in the university is a major attraction for international students from developing countries.

Weakness

- Many administrative formalities sometimes delays the international student admission process.
- Lack of publicity on the admission process in the international media.
- Lack of international student's hostel in the campus.
- Absence of round the year online admission process.



Opportunities

- Motivation from both central and state govt. to make Kerala as an Educational hub for quality higher education at reasonable cost.
- Kerala a prominent international tourist destination

Challenges

- Certificate eligibility related issues delay in recognition process prevents smooth inward mobility.
- Administration and Maintenance of international scholars hostel outside the campus with building on lease agreement
- No separate mechanism like international channel for speedy academic record processing for foreign students.

52. Future plans of the Centre

- Targeting enrollment of at least 100 international students every year by 2020.
- To organize a series of special talk and interaction on "Research and Career Opportunities in countries like Germany, USA, Australia" during 2017.
- Initiate steps for the Construction of International Hostel in the campus.
- Possibility of a new Office space with a modern front office.
- To organize an International Conference on "Celebrating cultural diversity through education and Technology" during July 2017.
- To organize Second International Students meet during December 2017 under Extension Programme.
- To start India Study Programme in 23 modules through e-learning.
- To conduct of International Faculty Development Programme during December 2017.
- To start MOOC course on "Understanding India" under India Study Programme.
- Preparation of Guidelines for Semester Abroad Programme.
- Website updation with on-line course joining and fee payment facilities.



UNIVERSITY COLLEGE OF ENGINEERING, THODUPUZHA

1.	Name of the Department	:	University College of	Engineering	, Thodupu	zha
2.	Year of establishment	:	1996			
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty of Engineering and Technology			
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	B. Tech., M. Tech., Ph. D.			
5.	Interdisciplinary programmes and departments involved	:	Nil			
6.	Courses in collaboration with other universities, industries, foreign institutions, etc		Nil			
7.	Details of programmes discontinued, if any, with reasons	:	: Nil			
8.	Examination System	:	Semester			
9.	Participation of the department in the courses offered by other departments	:	No courses are being offered by the UCET in other departments. However, faculty members in UCET teach courses for various B. Tech. programmes conducted at the college.		ET	
				Sanctioned	Filled	
			Principal	1	1	
	Number of teaching posts, sanctioned, filled and actual		Professors	0	0	
10.	(Professors/Associate Professors/Asst.		Associate Professors	0	0	
	Professors/Asst. Professors/others)		Asst. Professors	7	7	
			Lecturer	1	1	
			Lecturers(Contract)		48	
			Lectures(Guest)		5	



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 6 years
Dr.P.N. Joshi	M. Tech Ph. D	Principal	Mechanical Engineering	38	
Ravikumar B.	M. Tech	Asst. Professor (Adhoc)	Computer & Information Science	19	
Bindu Baby Thomas	M. Tech	Asst. Professor (Adhoc	Software Engineering	19	
Anu Augustine	M. E	Lecturer (Contract)	Computer Science	8	
Jithy P. K.	M. Tech	Lecturer (Contract)	Computer Science	2	
Bichu Vijayan	M. Tech	Lecturer (Contract)	Computer Science	1	
Anjali Elizabeth Joseph	M. Tech	Lecturer (Contract)	Computer Science	1	
Sajith K.	M. Tech	Lecturer (Contract)	Computer Science	1	
Jincy Annie V. V.	M. Tech	Lecturer (Contract)	Computer Science	1	
Lini Abraham	M. Tech	Lecturer (Contract)	Computer Science	2.5	
Reghunath E. V.	M. Tech	Lecturer (Contract)	Computer Science	2	
Rahumath Beevi A.	M. Tech	Lecturer (Contract)	Computer Science	1	
Dr. Lethakumary B.	M. Tech Ph. D	Asst. Professor (Adhoc)	Microwave Engineering	22	7



		т	· · · · · · · · · · · · · · · · · · ·		
Dr.Abdul Hakeem M.A.	M. Tech Ph.D	Asst. Professor (Adhoc)	Engineering Education	22	
Asalatha P.T.	M.Tech	Lecturer (Contract)	VLSI	6	
Rajeesh Babu	M.Tech	Lecturer (Contract)	VLSI	6	
Renjith V. R.	M.Tech	Lecturer (Contract)	VLSI	4	
Aneesh M. P.	M.Tech	Lecturer (Contract)	Applied Electronics	4	
Deepu S.	M.Tech	Lecturer (Contract)	Communication Systems	4	
Ansar M. M.	M.Tech	Lecturer (Contract)	Applied Electronics	4	
Asha Jayaprakash	M.Tech	Lecturer (Contract)	Opto- Electronics	3	
Krishnapriya B.	M.Tech	Lecturer (Contract)	Communication Systems	3	
Sanju S.	M.Tech	Lecturer (Contract)	Control Systems	3	
Amjadha A.	M.Tech	Lecturer (Contract)	Applied Electronics	1.5	
Reeja Sebastian	M.Tech	Lecturer (Contract)	Embedded Systems	1	
Anoop M. M.	M.Tech	Lecturers (Guest)	VLSI	4	
Ambily V. R.	M. Tech	Lecturer (Contract)	Power Electronics &Drives	6	
Limin K. Mathew	M. E	Lecturer (Contract)	Power& Energy Systems	3	
Jincy Joy	M. Tech	Lecturer (Contract)	Power Electronics &Drives	3	
Sreekala C. S.	M. Tech	Lecturer (Contract)	Power Systems	6	

Mahatma Gandhi University

Veena Vijayan	M. Tech	Lecturer (Contract)	Power Electronics	2.5	
Maria Joseph	M. Tech	Lecturer (Contract)	Power Electronics & Drives	2	
Dona Maria Mathew	M. Tech	Lecturer (Contract)	Power Electronics & Drives	1.2	
Thanooja Ann Jose	M. Tech	Lecturer (Contract)	Applied Electronics	4.5	
Nimmy Berchman	M. Tech	Lecturer (Contract)	Power Electronics & Drives	1	
Divya S.	M. Tech	Lecturer (Contract)	Power Electronics & Drives	1.5	
Mayamol S.	M. Tech	Lecturer (Contract)	Power Electronics & Drives	1	
Shahna P. Saith	M. Tech	Lecturer (Contract)	Power Electronics & Drives	1.7	
Anjaly Iyer S.	M.Tech	Lecturer (Contract)	Computer Science	4	
Manoj M. J.	M.Tech	Lecturer (Contract)	Computer Science	4	
Rakhi Roy J.	M.Tech	Lecturer (Contract)	Computer Science	1	
Anju K. S.	M.Tech	Lecturer (Contract)	Computer Science	1	
Soumya George	M.Tech	Lecturer (Contract)	Computer Science	2	
Reshmi Sojan	M.Tech	Lecturer (Contract)	Computer Science	2.5	
Rakhi K. Raj	M.Tech	Lecturer (Contract)	Information Technology	1	
Dr . GeethammaV.G.	M. Tech Ph. D.	Asst. Professor (Adhoc)	Polymer Engineering	22	



Dr. Josephine George	M. Tech Ph. D	Asst. Professor (Adhoc)	Polymer Engineering	20	
Dr. Leny Mathew	M. Tech Ph. D	Asst. Professor (Adhoc)	Polymer Engineering	20	
Dr. Jose Sebastian	M. Tech Ph. D	Lecturer (Contract)	Polymer Engineering	12	
Sreelatha R.	M.Tech	Lecturer (Contract)	Polymer Engineering	5	
Sheeba John	M. Tech	Lecturer (Contract)	Polymer Engineering	2	
Bibin Oommen	M. Tech	Lecturers (Guest)	Chemical Engineering	6	
Sibu P. M.	M.Tech	Lecturers (Adhoc)	Mechanical Engineering	17	
Kannan S.	M.Tech	Lecturer (Contract)	Mechanical Engineering	2	
Thirumanas K. R.	M.Tech	Lecturer (Contract)	Mechanical Engineering	3	
Sijo Jose	M.Tech	Lecturer (Contract)	Mechanical Engineering	4	
Sumithra Venugopal	M.Tech	Lecturer (Contract)	Civil Engineering	1	
Rintu K. Joseph	M.Sc	Lecturer (Contract)	Science & Humanities	2.5	
Dhanya R.	M.Sc	Lecturers (Guest)	Science & Humanities	3	
Suja T. I.	M.Sc	Lecturers (Guest)	Science & Humanities	5	
Nisha Ravi	M.Sc	Lecturers (Guest)	Science & Humanities	4	
Dr. Jose Baby	PhD	Lecturer (Contract)	Physical Education	3	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- Prof. Joy Michael teaches -Adjunct Faculty
- Prof. K. A. Thomas, Associate Professor (retd.), St. Joseph College,



Moolamattom- Adjunct Faculty

•

- **13.** Percentage of classes taken by temporary faculty programme-wise information By temporary faculty: 100%
- 14. Programme-wise Student Teacher Ratio 20:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sl No	Department	Technical Staff	Administrative Staff
1	Computer Science and Engineering	2	1
2	Electronics and Communication Engineering	2	-
3	Electrical and Electronics Engineering	3	-
4	Information Technology	-	-
5	Polymer Engineering	2	-
6	Mechanical workshop	6	-
7	Office	-	10
8	Library	-	4

- 16. Research thrust areas as recognized by major funding agencies Nil
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

- 18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration b) International collaboration Nil
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with State recognition National recognition International recognition



Electronics & Communication Engineering department is recognized as approved research centre by M.G University.

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	26
2.	Monographs	Nil
3.	Conference Proceedings	10
4.	Chapters in Books	Nil
5.	Edited Books	Nil
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
	Total	36

a) Publication per faculty :

Dr. P. N. Joshi	- 1
Dr. Lethakumary B.	- 6
Dr. Leny Mathew	- 4
Dr. Jose Sebastian	- 2
Mr. Bibin Oommen	- 3
Ms. Dona Maria Mathew	- 3
Ms. Divya S.	- 3
Ms. Nimmy Berchmans	- 1
Ms. Mayamol S.	- 1
Dr. Geethamma V. G.	- 2

- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index range
- * Average
- * SJR



- * Impact Factor range / average
- * h-index Citations: 3
- 23. Details of patents and income generated : Nil
- 24. Areas of consultancy and income generated: Nil
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:
 - Dr. Geethamma V. G. Visited the Dept. of Materials Science & Engineering, University of Illinois (UC), USA, with Fulbright Fellowship
- 26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other
 - b) (please specify)

Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Nil

- 28. Student projects
 - a. Percentage of students who have done in-house projects including interdepartmental / progrmme

Department	Percentage
CSE	10
ECE	35
EEE	10
IT	0
PE	0

b. Percentage of students doing projects in collaboration with other universities / industry / institute

Department	Percentage
CSE	90
ECE	65
EEE	90
IT	100
PE	100



29. Awards / recognitions received at the national and international level by

a Faculty

A	Research awards received by the faculty				
Dr. Geethamma V. G.	 Fulbright Fellowship in the Dept. of Materials Science & Engineering, University of Illinois (UC), USA, on Soft Lithography and Nano patterning. Fulbright Alumni Award supported by the United States-India Educational Foundation (USIEF), New Delhi, to conduct a seminar on Polymers and Environment, 2013. 				

Doctoral / post-doctoral fellows -Nil

Students Roller Skating of M.G University All Kerala Inter Painavu Engine M.G University Action Cup All	represented the Kerala team in the National championship held at Delhi in June, 2012. y College of Engineering, Thodupuzha, won the r-collegiate Football 7s Tournament held at eering College in 2014. y College of Engineering, Thodupuzha, won the Kerala Inter-collegiate Football 7s ld at Ilahia College of Engineering, m 2015

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

a) National

1.	National Seminar on Advanced Polymers (NSAP-12)	2012
2.	SCIENTIA-2012 September 28 &29	2012
3.	National Seminar on Advanced Polymers (NSAP-14) 2014 October 28	2014
4.	National Seminar on Advanced Polymers (NSAP-15)	2015
5.	HESPEROS-15 September 11 &12	2015
6.	Seminar on "Innovation in Science & Technology: Exploring the Creative Space" was held on 26.2.2016 in association with the National Science Day. It was supported by the Kerala State Council for Science	2016

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	Technology and Environment and DST, Govt. of India.	
7.	Seminar on "Waste Management: Begin at Our Home" was held on 16.6.2016 in connection with the World Environment Day. It was supported by the Kerala State Council for Science Technology and Environment and DST, Govt.of India.	2016
8.	Seminar on "Energy Conservation and Building Code" was conducted on 7.9.2016. It was sponsored by the Energy Management Centre, Govt. of Kerala and the Bureau of Energy Efficiency, Govt. of India.	2016

b) International: Nil

31. Code of ethics for research followed by the departments: Nil

32. Student profile programme-wise:

Year-2011

Name of the	Applications		En	rolled	Pass
Course/programme (refer question no. 4)	received	Selected	*M	*F	percentage
Computer Science and Engineering	NA	55	27	28	64
Electronics and Communication Engineering	NA	64	35	29	45
Electrical and Electronics Engineering	NA	48	30	18	43
Information Technology	NA	27	14	13	45
Polymer Engineering	NA	54	37	17	58.06

Year-2012

Name of the	Applications	Annlications		lled	Pass	
Course/programme (refer question no. 4)	received	0.1.4.1	*M	*F	percentage	
Computer Science and Engineering	NA	53	24	29	51	
Electronics and Communication Engineering	NA	62	30	32	66	
Electrical and Electronics Engineering	NA	52	35	17	51	
Information Technology	NA	21	05	16	61	
Polymer Engineering	NA	47	28	19	70	



Year-2013

Name of the	Applications		Enro	lled	
Course/programme (refer question no. 4)	received	Selected	*M	*F	Pass percentage
Computer Science and Engineering	NA	43	17	26	37
Electronics and Communication Engineering	NA	35	14	21	44
Electrical and Electronics Engineering	NA	35	20	15	51
Information Technology	NA	10	07	03	37
Polymer Engineering	NA	42	29	13	78

Year-2014

Name of the	Applications		Enro	lled	
Course/programme (refer question no. 4)	received	Selected	*M	*F	Pass percentage
Computer Science and Engineering	NA	34	17	17	37
Electronics and Communication Engineering	NA	28	13	15	45
Electrical and Electronics Engineering	NA	39	21	18	52
Information Technology	NA	06	03	03	23
Polymer Engineering	NA	44	32	12	58



Year-2015

Name of the	Applications		Enro	lled	
Course/programme (refer question no. 4)	received	Selected	*M	*F	Pass percentage
Computer Science and Engineering	NA	35	16	19	55
Electronics and Communication Engineering	NA	26	14	12	72
Electrical and Electronics Engineering	NA	25	17	08	60
Information Technology	NA	10	07	03	60
Polymer Engineering	NA	35	15	20	52

Year-2016

Name of the	Applications		Enro	lled	
Course/programme (refer question no. 4)	received	Selected	*M	*F	Pass percentage
Computer Science and Engineering	NA	48	24	24	79
Electronics and Communication Engineering	NA	33	15	18	89
Electrical and Electronics Engineering	NA	30	22	08	69
Information Technology	NA	22	09	13	95
Polymer Engineering	NA	24	10	14	51

33: Diversity of students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
CSE	100	0	0
ECE	100	0	0
EEE	100	0	0
IT	100	0	0
PE	100	0	0



How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Department	GATE	Civil Service
CSE	5	
ECE	10	1(2010)
EEE	7	
IT	0	
PE	20	1(2008)

34. Student progression

Student progression	Against % enrolled
UG to PG	10%
PG to M.Phil.	
PG to Ph.D.	1%
Ph.D. to Post-Doctoral	
Employed	
 Campus selection 	30%
Other than campus recruitment	30%
Entrepreneurship/Self-employment	10%

University College of Engineering keeps good relation with Industries globally and locally. The students are exposed to Industries during their semester intervals through Industrial training and frequent Industrial Visits. We are also associated with Scientific and Research Institutes for the final year student project work.

Industries like Apollo tyres, Ceat Tyres, JK tyres, TVS tyres etc. give Industrial Training and Project work for the final year students. Other Industries like Nerolac Paints, Asian paints, High Build Coatings, 3M, Akzo Nobel, Berger Paints etc. conduct interview to recruit our students. Research Institutes like VSSC, IRMRA, DRDO, NCL are also associated with the college. Public sector Institutions like Hindustan Latex Limited, Hindustan Aeronautics Limited, Rubber Research Institute of India also gets collaborated with the college. Local Industries like Tollins tyres, Lunar Rubbers, VKC, Vajra Rubbers also keep good Institute – Industry relation with our college through Industrial Visits/ Placements for the students.



RECRUITMENT DRIVE RESULT OF 2016 PASSED OUT BATCH

Sl No	Name of Company	Total No of Students Placed	Name of Students	Course
			1.Anu Mohan	CSE
			2.Boby Kunjumon Thomas	CSE
			3.Jins K Joy	CSE
			4.Ajai Mohan	EEE
			5.Akhil Lal S	EEE
			6.Arjun Unnikrishnan	EEE
			7.Athira K R	EEE
			8.Mohammed Afeef T A	EEE
1	INFOSYS Ltd	17	9.Niravadya V S	EEE
			10.Albert Pious	ECE
			11.Amrita Mary John	ECE
			12.Anjitha Prem	ECE
			13.Reshma R Nair	ECE
			14.Sethulakshmi G	ECE
			15.Vrindha Vijayan	ECE
			16.Fathima Safana	IT
			17.Linda P Johns	IT
			1.Ajai Mohan	EEE
			2.Akshay R	PE
2	QBurst Technologies	5	3.Alan Thomas	ECE
			4.Amrita Mary John	ECE
			5.Anjaly George	CSE
3	IBS Softwares	2	1.Anjan P Kumar	EEE
3	IDS Softwares	2	2.Sreelekshmi N P	CSE
			1.Jayakrishnan K Y	IT
			2.Athira C R	CSE
			3.Chikkulal C	CSE
4	UST GLOBAL	8	4.Ajmal B Aliyar	CSE
-	OSI OLODAL	0	5.Divya C	ECE
			6.Suhara M U	ECE
			7.Reenu Rajan	ECE
			8.Harikrishnan M	ECE
5	WIPRO	2	1.P Sarath Hari	ECE
<i>J</i>	TECHNOLOGIES	2	2.Greeshma V S	IT
	TOTAL	34		



RECRUITMENT DRIVE- RESULT OF 2015 PASSED OUT BATCH

Sl No	Name of Company	Total No of Students Placed	Name Of Students	Course
			1. Jismi Mathew	ECE
			2. Anooth Mohan	ECE
			3. Georgy Jacob	ECE
			4. Iyvin Jose	CSE
1	INFOSYS Ltd	10	5. Sony Kurian K	CSE
1	IN OS IS Eld	10	6. Jithin Jiji	CSE
			7. Akhil Paul	CSE
			8. Dayana Abraham	CSE
			9. Deekshitth M P S	POLYMER
			10. Betty G Kurian	MTech AE
2	QBurst Technologies	1	1. Vipin Narayanan P P	IT
3	IBS Softwares	1	1. Surumi Ismail	CSE
			1 Ram Gopal B	ECE
4	Broadcom Technologies	4	2. Amalraj Tr	EEE
			3.Rony Scaria	ECE
			4.Anand Babu	CSE
			1.Jayamol Joseph	CSE
5	Poornam Infovision	3	2. Akhil Dev K. P.	ECE
			3.Deepukrishnan P. R.	CSE
	TOTAL	19		



RECRUITMENT DRIVE RESULT OF 2014 PASSED OUT BATCH

	· · · · · · · · · · · · · · · · · · ·	Total No	2014 LASSED OUT BATCH	
Sl No	Name of Company	of Students Placed	Name Of Students	Course
			1. Ashik Muhammed P A	EEE
			2. Abel John Muthalaly	ECE
			3.Amal Philip	ECE
			4.Bibina Rose Thomas	ECE
			5.Pooja P R	ECE
			6.Shyamly Kuniyil K	POLYMER
			7.Abhiram S	CSE
1	INFOSYS Ltd	16	8.Geethu Raj	CSE
1	INFOSTS LIU	10	9.Heera Mukundan	CSE
			10. Jijumon Varghese	CSE
			11.Lija James	CSE
			12.Sangeetha A	CSE
			13.Sharal G Mohan	CSE
			14.Neetha George	EEE
			15. Revathy G Nair	EEE
			16.Vani Vijayan	EEE
		3	1. Rahi Hareendranath	CSE
2	IBS Softwares		2.Shiju Thomas	EEE
			3.Vishnu Narayanan	ECE
			1. Abhijith George	CSE
			2.Aparna Ashok	CSE
3	QBurst Technologies	5	3.Alvin Varghese	CSE
			4.Anjuna Baby	ECE
			5.Akhil Suresh	ECE
	Cognizant		1. Jithu V George	CSE
4	Technology	2	2 I C D	EEE
	Solutions(CTS)		2. L. S. Revathykutty	EEE
			1. Rilja Sunny	ECE
_	ACCENTUDE		2. Veena K S	ECE
5	ACCENTURE	6	3.Sneha Nair	CSE
			4. Sherine Varghese	ECE
			5.Indu K	ECE
	Tata Consultancy	2		Car
6	Services(TCS)	2		CSE
	TOTAL	34		



RECRUITMENT DRIVE RESULT OF 2013 PASSED OUT BATCH

Sl No	Name of Company	Total No of Students Placed
1	IBS SOFTWARES	3
2	ARICENT	3
	SPERIDIAN	
3	TECHNOLOGIES	2
	TOTAL	8

RECRUITMENT DRIVE RESULT OF 2012 PASSED OUT BATCH

Sl No	Name of Company	Total No of Students Placed	Name of Students	Course
			1.Aby M. Scaria	CSE
			2 Akhil Raj A. J.	ECE
			3 Aleena Rose Peter	EEE
			4 Amalu Anna Roy	ECE
			5 Anjaly R.	ECE
			6 Anju Maria Kurian	EEE
			7 Ann Maria Isaac	EEE
			8 Anu B. Paul	CSE
			9 Anusha George	IT
			10 Aparna Murali	ECE
			11.Arjun Krishna P. R.	EEE
1	Infosys	43	12 Arya M.	ECE
			13 Aswathi S. Pillai	IT
			14. Daughty Abraham	ECE
			15 Deepu Jose Thomas	ECE
			16 George Antony Thomas	ECE
			17.Greeshma Sekharan	EEE
			18.Haritha M.	ECE
			19.Haritha M.	EEE
			20.Jeena Jose	CSE
			21.Jiss Mary Thomas	CSE
			22.Johnson Jos	CSE
			23.Josekutty Joseph	ECE



			24.Juwin P. Zam	ECE
			25.Jyothis Alphy Thomas	IT
			26.Krishnendu G.	EEE
			27.Malu K. R.	IT
			28.Manju Ravi	ECE
			29. Minu Tony Thottam	IT
			30.Mitun Jose George	CSE
			31.Nargis M.	ECE
			32.Neethu Thomas	ECE
			33.Neethu V. M.	ECE
			34.Raziya Yacoob	ECE
			35. Rose Elizabeth Augustine	CSE
			36. Sariga James	IT
			37.Shameela Sulaiman	CSE
			38.Shimna George	ECE
			39.Shirin Rahim	EEE
			40.Shyni Merlin Raju	IT
			41.Sreelakshmi Surendran	ECE
			42 Sruthi Babu	IT
			43.Surya Saradhy	EEE
			1.Dannie Abraham	IT
			2.Daughty Abraham	ECE
			3.George Antony Thomas	ECE
			4.Juwin P. Zam	ECE
			5.Mitun Jose George	CSE
			6.Ramkumar S.	ECE
			7.Sighil Sivadas	CSE
			8. Veena S. Kumar	CSE
2	Accenture	9	9. Veenasree Kaimal	IT
	TOTAL	52		

RECRUITMENT DRIVE RESULT OF 2011 PASSED OUT BATCH

Sl No	Name of Company	Total No of Students Placed	Name Of Students	Course
			1 Abidh Muhsin P. A.	ECE
			2 Ahalya M. S.	ECE
			3 Aji Salam	IT
1	Infosys	38	4 Amal G. Jose	EEE
			5 Aneesha Mol T. I.	IT
			6 Anjukutty Joseph	CSE
			7 Anu K. Babu	CSE



	·			1
			8 Archana H.	ECE
			9 Areena Antony	ECE
			10 Arun Alias	CSE
			11 Ashven V. Gopal	ECE
			12 Asish M.	CSE
			13 Athira Murali	ECE
			14 Chanthini M. Tharayil	IT
			15 Deepa C. C.	ECE
			16 Deepa Rani George	ECE
			17 Dhanoop Bhaskar	IT
			18 Geethu S.	CSE
			19 Hariharan N.	EEE
			20 James Tom	CSE
			21 Jasmine T. Nazeer	IT
			22 Jerin Alias	CSE
			23 Jijo Mathew	IT
			24 Jinsmon Kurian	CSE
			25 Meenu Thomas	CSE
			26 Neethu Babu	CSE
			27 Nithin Prasad	CSE
			28 Rachana Radhakrishnan	ECE
			29 Sabira E. E.	IT
			30 Sayana Sivanand	ECE
			31 Sherin Deena Sam	ECE
			32 Shoji Thomas	CSE
			33 Shruti Mohan	IT
			34 Sini V.	IT
			35 Sinu John	CSE
			36 Soumya Mohan	ECE
			37 Sreya R. Nambiar	IT
			38 Tinu A. Vincent	EEE
			1 Amal G. Jose	EEE
			2 Anjukutty Joseph	CSE
			3 Archana H.	ECE
			4 Asish M.	CSE
2	PATNI	21	5 Geethu S.	CSE
	COMPUERS		6 Jasmine T. Nazeer	IT
			7 Jerin Alias	CSE
			8 Meenu Thomas	CSE
i '			9 Nithin Prasad	CSE



			10 Soumya Mohan	ECE
			11 Sreya R. Nambiar	IT
			12 Akhil P. R.	EEE
			13 Anupama Geoege	IT
			14 Arun Sasi	ECE
			15 Ashitha Alikutty	CSE
			16 Chithra R.	EEE
			17 Christeena George	CSE
			18 Dinoop P.	EEE
			19 Rohit Reghu	CSE
			20 Sajitha Salim	EEE
			21 Sneha Elizabeth Tomy	CSE
			1 Priya A. Peedikaparambil	CSE
			2 Rohit Reghu	CSE
			3 Sneha Elizabeth Tomy	CSE
			4 Subina E. S.	CSE
	3 ACCENTURE	JRE 13	5 Aleena Joseph	ECE
			6 Arun Sasi	ECE
3			7 Jesly James	ECE
			8 Sanal S. Nair	ECE
			9 Anu Parvathi P.	EEE
			10 Praveen Kumar	EEE
			11 Animol Joseph	IT
			12 Anupama Geoege	IT
			13 Sreeprabha P.	IT
			1 Ashitha Alikutty	CSE
			2 Chithra R.	EEE
			3 Jithin Babu K.	ECE
4	IBS softwares	7	4 Krishnaja B.	CSE
			5 Lucina Joseph	EEE
			6 Ranju R.	CSE
			7 Sahla M. M.	ECE
			1 Jesly James	ECE
			2 Meenu Thomas	CSE
5	TATA ELXSI	5	3 Sahla M. M.	ECE
			4 Sajitha Salim	EEE
			5 Sinu John	CSE
6	CIVDEE	2	1 Dinoop P.	EEE
6	SIXDEE	<u></u>	2 Gopikrishnan A. N.	IT
7	Caa	2	1 Jose Vivek A. R.	EEE
/	CSS	2	2 Seethu Maria Mathew	IT



8	NEST	1	1 Anil Paul	CSE
9	HCL	1	1 Joseph Thomas	CSE
	TOTAL	90		

35. Diversity of Staff

Percentage of faculty who are graduates				
Of the same university	40%			
From other universities within the state	40%			
From universities from other State	20%			
From Universities outside the country	Nil			

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Faculty who were awarded Ph.D. during the assessment period				
Dr. Leny Mathew July 2010				
Dr. Jose Baby	December 2014			
Dr. Abdul Hakeem M. A.	May 2016			
Dr. Jose Sebastian July 2016				

38. Present details of departmental infrastructural facilities with regard to

a) Library

The College has a good library with a book collection of 18929 volumes and 7348 titles. These spread among various branches of engineering and other general subjects. The library subscribe to 32 journals and 3 general periodicals apart from 5 daily newspapers. We provide free internet access to the students and staff at the library. They can access international journals through internet. On an average, 300 students and 50 staff visit the library daily and avail the various services.

• Total area of the library (in Sq. Mts.): 520

• Total seating capacity: : 75

• Working hours : on working days – 9 AM to 5 PM

Number of Titles	Number of Volumes				
7347	18929				



b) Internet facilities for Staff & Students: Internet facility available in Lab 20 Mbps Broadband

Connectivity with WiFi accessibility

c) Class rooms with ICT facility: NA

d) Laboratories : Full equipped Lab

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university: Nil

b) from other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university.

2013 admission

	M. Tech
SC	4
OEC	3
ST	2
FC	0
SEBC	0

2014 admission

	M. Tech
SC	3
OEC	2
ST	1
FC	0
SEBC	0

2015 admission

	M. Tech
SC	2
OEC	1



ST	0
FC	0
SEBC	0

2016 admission

	M. Tech
SC	0
OEC	0
ST	0
FC	0
SEBC	0

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Nil

- 42. Does the department obtain feedback from
 - a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The curriculum is framed by an expert committee and Board of studies. The members are all HODs and Eminent professors from nationally reputed Institutions. The University approves the curriculum and is conveyed to teachers and students.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Student feedback system- The HOD collect the feedback from students about teachers in the prescribed format.

- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?
 - After the completion of the B.Tech. Degree, the students get employment or pursue higher studies. Therefore the college takes continuous feedback from the companies / institutions where our students are employed / pursuing higher studies. Their performance at other institutions will be an indicator of whether we have achieved the objectives of the curriculum.



• The College accept the opinions and suggestions from the well placed Alumni of this college to revise the curriculum. For example, in the 3rd semester B. Tech. Polymer Engineering, we have included a paper on Computer Aided Design and Manufacturing. In this connection, we sought the suggestion from Mr. Manu T. who is our alumnus. He did M. Des. in IIT, Delhi in Product Design.

43. List the distinguished alumni of the department (maximum 10): Nil

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Department	Lectures/ Workshops/ Seminars	Name of the expert	Date & year
ECE	1. Workshop on LABVIEW	Mr. Deepak (NI Bangalore)	2010
	2. Workshop on HFSS	Mr. Kaviarasu (Entuple, Bangalore)	21/03/2016 to 22/03/2016

45. List the teaching methods adopted by the faculty for different programmes.

The learning process is framed in such a way that the emphasis is on acquiring in-depth and conceptual knowledge. Adequate use of LCD projectors is employed by faculty. Equal importance is given to classroom and laboratory learning. Apart from the conventional teaching methodology, the faculty members use audio and video presentations with the help of LCD projector. Students are advised to visit the free study materials available online. Also, the students visit industries/ R&D institutes frequently.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Curriculum

- The curriculum is updated periodically keeping track of the changing needs of the industry and the rapid advancements on the technological front. The curriculum is designed to be student friendly with proper emphasis on both theoretical and practical knowledge. It envisages seminar presentations and a full-fledged project work in collaboration with industrial/ R & D organization/ Academic institutions during the final year.
- Revised the curriculum for B.Tech and M. Tech degree programme is followed from 2015 batch admission onwards. The Scheme and syllabus of all programs are framed by an expert committee consisting of internal and external experts in order to meet the standards of employability and knowledge of upgradation. The University approves the curriculum and is conveyed to teachers and students.



- A wide range of elective subjects is also offered in the final year to keep students abreast with the cutting edge of technology. Various curricular activities are being conducted by the 5 departments of the college.
- As mentioned in Sl. No.42 c, we take feedback from the companies / institutions where our students are employed / pursuing higher studies. We also consider the opinion of our alumni.

Implementation

- Academic calendar is prepared Semester wise.
- Teaching plan A subject wise teaching plan is prepared by teachers under the supervision of HOD.
- Student assessment is done through internal tests, seminars, assignments etc.
- Student feedback system- The HOD collect the feedback from students about teachers in the prescribed format.

47. Highlight the participation of students and faculty in extension activities.

1. Environmental Education

The college has conducted an Awareness Seminar on "Waste Management: Begin at Our Home" at our college. It was organized in connection with the World Environment Day. It was supported by the Kerala State Council for Science Technology and Environment and DST, Govt. of India. This was an *awareness* seminar targeted at a general audience including the people from the localities of our college, in addition to students and staff in various disciplines. So the entire programme was conducted in *Malayalam*. We realize that we need to manage the waste generated in our campus before advising others. So in connection with this seminar, we have launched the *Clean Campus Programme*, a mission to ensure cleanliness in our campus.

2. Human Rights

Every new student admitted at the college has the right to study here without any hazzles/intimidation/harassment/ teasing from senior students. With this perspective, we give the necessary guidelines and awareness for the senior students regarding "Antiragging" every year. The class is taken by the District Legal Authority Cell. The speakers are Judges, Advocates and Police Officers.

3. PST Blood Donation Camp

Blood donation camp conducted on 10th April 2014 in our campus jointly by Blood Cell, UCE and Indian Medical Association, Thodupuzha. Students donated blood during the camp.



Another blood donation camp conducted on 18th August 2015 jointly by Blood Cell, UCE and Indian Medical Association, Thodupuzha at our College. More than 40 students participated in the camp and donated blood.

4. Medical Camp

In connection with the World Health Day (7th April), an awareness class and blood analytical testing camp, was conducted in UCET on 7.4.2016. This was to increase awareness about the rise in diabetics and its staggering burden and consequences, in particular in low and middle income groups. Along with the students, teachers and office staff also participated in the programme.

5. Outreach Programme for school students

Recently the IEEE chapter of this college conducted an outreach programme for school students. They visited the nearby schools and described the importance and specialities of various engineering programmes conducted at our college. Another programme was also conducted by inviting the school students to our college and permitted them to visit our labs.

48. Give details of "beyond syllabus scholarly activities" of the department.

The college has produced a couple of short video clippings on certain topics in the curriculum. This was done by the students and the teachers. We have realized that this teaching methodology created enormous enthusiasm among the students. A few students are doing the experiment and others are watching it. So every student in the class becomes a part of the demonstration. The students become enthusiastic to learn further about the topic.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The publications made by the faculty members in several international journals stand testimony to the new knowledge generated by the college.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

S-STRENGTH

- Teaching Department of a State University
- Good visionary management to take the institution to highest levels of quality
- Transparent Governance and Administration
- Good relation among Management, Principal and Staff



W-Weakness

- Industrial consultancy & applied research
- Formal networking with other institutions
- Hostel accommodation
- e-library facility

O-Opportunities

- Possible to change the curriculum based on industrial needs
- Alumni Networking for Academic and placement activities
- Enhance research activities through sponsored R&D projects
- Catering to all sections of the society

C- Challenges

- Compete with the e-governance system of A P J Abdul Kalam Technological University
- Competition from other institutions
- Declining quality of students admitted because of the extremely large number of institutions

Methods adopted to enhance student learning:

- Additional skill development programmes
- Remedial classes for weak students
- Invited lectures by industrial experts
- Collaborative learning
- Industrial visits / industrial trainings

52. Future plans of the department.

- To start new programmes and to become a centre of excellence on engineering studies.
- To improve quality of academics and to have a cosmopolitan group of students representing good student diversity.
- Improved laboratory facilities.
- Construction of hostels, staff quarters etc.



SCHOOL OF TECHNOLOGY & APPLIED SCIENCES

1.	Name of the Department	:	School of T	Tachnalagy	& Annl	lied Sciences	
1.	Traine of the Department	•	School of Technology & Applied Sciences				
2.	Year of establishment	:	1993				
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty of of Technology & Applied Sciences				
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	MCA, M.Sc Applied Electronics, B.Tech in Polymer Engg., B.Sc Computer Science, B.Sc Cyber Forensic, MSc Computer Science, M.Sc Space Science & Technology, B.Sc Electronics, Ph.D				
5.	Interdisciplinary programmes and departments involved	:	PhD				
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	-				
7.	Details of programmes discontinued, if any, with reasons	:	Nil				
8.	Examination System	:	Semester, Choice Based Credit System.				
9.	Participation of the department in the courses offered by other departments	:	Nil				
	Number of teaching posts, sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)			Sanctioned	Filled	Actual(including CAS & MPS)	
			Professor	3	Nil	Nil	
10			Associate Professors	6	6	6	
			Asst. Professors	-	1	1	
			Others		34		



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance School of Technology & Applied Sciences, Kottayam

Kottayani					
Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 6 years
	M.Sc, Mphil, M.Tech, Ph.D	Regional Director	Electronics	26	7
Dr. Bindu M.S	M.E , MCA Ph.D	Reader	Computer Science	28	1
Rajendran R.	M.Tech	Reader	Computer Science	30	
Dr. Bindu K	MCA, Ph.D, SLET	Reader	Computer Science	26	
Sanu Thomas	M.Tech	Sl.Grade Lecturer	Computer Science	18	
Dr. Anilkumar P.V	M.Sc, Ph.D	Lecturer	Polymer Technology	20	
Dr.Bijamma Thomas	M.Sc (OR& CA), Ph.D	Lecturer	Operations Research	20	
II Jr Bengzir K K	MCA, M.Phil, Ph.D	Lecturer	Computer Science	16	
Saritha K.	MCA, M.Phil	Lecturer	Computer Science	15	
Bijini K.Hariharan	M.Sc. Maths	Lecturer	Mathematics	11	
Jisha Mary George	M.Sc Elec	Lecturer	Electronics	12	
Manju G.R	MCA	Lecturer	Computer Science	7	
Geetha Muraledhar	B.Tech, MBA	Lecturer	Polymer Technology	10	
Priyanka C.D	B.Tech	Lecturer	Polymer Technology	6	
Sreeja K.S	MCA	Lecturer	Computer Science	7	
Asha Chandran	MCA	Lecturer	Computer Science	6	
Aryadevi K	MCA	Lecturer	Computer Science	8	

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Dr. S. Krishnakumar	M.Sc, MCA, M.Tech, Ph.D	Regional Director	Electronics	22	10
Dr. Valyomana A.G	M.Sc, M.Phil, Ph.D, CSIR	Reader	Electronics	18	
Dr. Thomaskutty Mathew	M.Sc, Ph.D, UGC-NET	Reader	Electronics	17	10
Dr. N.V Eldhose	M.Sc, M.Tech, Ph.D	Sr. Lecturer	Electronics	22	8
Suma Paulose	B.E	Lecturer	Electronics	18	
Sheena Joseph	M.Sc, M.Phil	Lecturer	Mathematics	20	
Swapna M	M.C.A	Lecturer	Computer Science	19	
Biny Varghese P	M.Sc, M.Phil	Lecturer	Mathematics	20	
Rasia A Khader	M.Sc	Lecturer	Computer Sciences	10	
Thirumeni K.R	M.C.A	Lecturer	Computer Application	13	
Anitha Lal KK	MCA, UGC- NET	Lecturer	Computer Application	11	
Jinimole C.G	B.Tech	Lecturer	Electronics	12	
Nissa S.S	MCA, M.Tech	Lecturer	Computer Application	10	
Ambily V.T	M.Sc, U.G.C NET	Lecturer	Computer Technology	13	
Sooraj N.S	M.Sc U.G.C NET - JRF	Lecturer	Applied Electronics	10	
Sumi Mary Abraham	M.Sc	Lecturer	Electronics	10	
Remya V.R	M.Sc, UGC NET	Lecturer	Electronics	9	
Divya S	M.C.A	Lecturer	Computer Application	5	
Bindu Rani T.V	B.Tech	Lecturer	Instrumentation	14	
Redhya V.V	M.Sc	Lecturer	Electronics	8	



School of Technology & Applied Sciences, Pathanathitta

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 6 years
Dr. Joji J Anchanattu	M.Sc, PhD	Regional Director	Electronics	22	
Anuja K	M.Sc OR & CA	Lecturer	OR & CA	17	
Rema K	МСА	Lecturer	Computer Application	10	
Abdul Muhammed Rasheed	M.Sc CS, M.Phil	Lecturer	Computer Science	9	
Rajasree G	МСА	Lecturer	Computer Application	6	
Ann V Easow	МСА	Lecturer	Computer Application	6	
Siny Sasi	M.Sc Electronics	Lecturer	Electronics	6	
Jisha G	МСА	Lecturer	Computer Application	5	

- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
- 13. Percentage of classes taken by temporary faculty programme-wise information MCA 20%, B.Sc. 20%, B.Tech. 40%.
- 14. Programme-wise Student Teacher Ratio :

MCA – 40:1, B.Sc. 40:1, B.Tech. 30:1

- 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:
 - Librarian- 1
 - Technical-6
 - Administrative-11

16. Research thrust areas as recognized by major funding agencies

Glass Science & Technology, Thin Film Technology, Solid Electrolytes, Ion Implantation Studies, Plasma Technology

- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
- 18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration b) International collaboration: Nil
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil
- 20. Research facility / centre with

state recognition - Yes National recognition - No International recognition - No

21. Special research laboratories sponsored by / created by industry or corporate bodies- Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	39
2.	Monographs	Nil
3.	Conference Proceedings	34
4.	Chapters in Books	Nil
5.	Edited Books	Nil
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
	Total	73

- Number of papers published in peer reviewed journals (national / international): 39
- Monographs
- Chapters in Books *
- Edited Books:1
- Books with ISBN with details of publishers
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database -International Social Sciences Directory+, EBSCO host, etc.)
- Citation Index range / average * SNIP



- SJR
- Impact Factor range / average * h-index
- 23. Details of patents and income generated: Nil
- 24. Areas of consultancy and income generated : Nil
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil
- 26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other
 - b) (please specify): 5
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty members participated in Refresher / orientation programs, workshops, training programs etc during the assessment period.

- 28. Student projects
 - Percentage of students who have done in-house projects including interdepartmental projects:
 30% of MCA & B.Sc. students
 - Percentage of students doing projects in collaboration with other universities industry / institute: 70%
- 29. Awards / recognitions received at the national and international level by
 - Faculty -2
 - **Doctoral / post-doctoral fellows** Yes
 - Students No
- **30.** Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
 - 1. RAPT 2015 National Seminar on Recent Advances in Polymer Technology,
 - 2. Advances in Polymeric Materials 'APM 2K15', CYSEC 2015 Two day seminar
 - 3. 2 days workshop on Cyber Security issues and Kali Linux.
- 31. Code of ethics for research followed by the departments : NA
- 32. Student profile programme-wise:



School of Technology & Applied Sciences, Edappally

Name of the	Applications		Enrolled		Pass	
Course/programme (refer question no. 4)	Applications received			*F	percentage	
B.SC Electronics		40	28	12	35	
B.Sc Computer Science	Centralised allotment	41	15	26	90	
M.Sc Applied Electronics		21	10	11	96	
M.Sc Computer Science		9	4	5	98	
M.C.A		28	17	11	95	
B.Sc Cyber Forensic		18	10	8		

School of Technology & Applied Sciences, Pathanamthitta

Name of the			S	elected	Pass percentage	
Programme (refer to question no. 4)	Year	Applications Received	Male	Female	Male	Female
	2011-12	300	4	22	0	82
	2012-13		11	21	27	67
MCA	2013-14		11	28		
	2014-15		6	31	Result a	waiting
	2015-16		7	11	_ 	
	2011-12	PG CAP	3	3	100	100
M.S.a. Computar	2012-13		4	19		
M.Sc Computer Sciences	2013-14		4	6		
Sciences	2014-15		1	14		
	2015-16		6	3		
	2011-12	UG CAP	20	27	67	
B.Sc Computer	2012-13		23	24	67	
Sciences	2013-14		20	28	67	
	2014-15		15	14		
	2015-16		18	17		
B.Sc Cyber Forensic	2014-15	UG CAP	11	17		
	2015-16		11	17		



33. Diversity of students 2012-2015

School of Technology & Applied Sciences, Kottayam

Name of the Programme (refer to question no. 4)	% of students from the same university	students from other from the universities universities out		% of students from other countries
MCA	89.6	10.34	Nil	Nil
.M.Sc. AE	93.3	6.67	Nil	Nil
M.Sc. CE&NT	95.4	Nil	4.55	Nil
B.Sc. Comp.Sci	HSE			1 student

School of Technology & Applied Sciences, Edappaly

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.SC Electronics	100	0	0
B.Sc Computer Science	100	0	0
M.Sc Applied Electronics	100	0	0
M.Sc Computer Science	100	0	0
M.C.A	100	0	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.:

B.Tech - GATE Scores: 1. Sandhya Alice Varghese

2. Deepak S.

3. Harikrishnan P.

4. Abson Varghese

5. Bijina V.

6. Smitha Venugopal

MCA- NET qualified 1. Beena Lawrance



35. Student progression

Student progression	Percentage against enrolled
UG to PG PG to M.Phil.	90% 5%
PG to Ph.D. Ph.D. to Post-Doctoral	10%
Employed	
Campus selection	15%
Other than campus recruitment Entrepreneurs	50% 10%

36. Diversity of staff

Percentage of faculty who are graduates				
of the same university	35%			
from other universities within the State	45%			
from universities from other States	20%			
from universities outside the country	Nil			

- **37.** Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: **2**
- 38. Present details of departmental infrastructural facilities with regard to

a) Library: 16534 books

b) Internet facilities for staff and students : provided internet lab with 50 PC

c) Total number of class rooms: 35d) Class rooms with ICT facility: 1

e) Students' laboratories : 10+1 workshop

f) Research laboratories: 2

39. List of doctoral, post-doctoral students and Research Associates:

a) from the host institution/university: 35 (3 centres)

b) from other institutions/universities:



- **40.** Number of post graduate students getting financial assistance from the university. : 85
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, B.Sc. Cyber Forensic

M.Sc Space Science & Technology

- 42. Does the department obtain feedback from
 - a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : Yes, improving the teaching methods. Includes the suggestions in syllabus modification.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : Improvement of teaching methods. Alumni meetings are conducted.
 - c. Alumni and employers on the programmes offered and how does the department utilize the feedback? Yes, Improvement of teaching methods, conduction of conferences, refresher courses, Development programmes for students.

43. List the distinguished alumni of the department (maximum 10):

Sl No.	Name	Current position			
1	Dittin Andrews	Senior Scientist, CDAC, Bangalore.			
2	Mahesh Balakrishnan	Project Manager, UST Global, California.			
3	Prasad P.	Team Leader, Infosys, Bangalore.			
4	Sankaran Bhatathiripad	Lead Software engineer, Thomson Reuturs, New York.			
5	Parameswaran Namboothiri	Scientist C, CDAC, Trivandrum.			
6	Mahesh Mahadevan	Cyber Security Consultant, Sulthanate of Oman			
7	Jyothi Mavila	Senior Project Manager, Microsoft Corporation, Vancour, British Colombia			
8	John Varghese	Manager (International Purchase), Renault Nissan Ltd., Chennai.			
9	Dr. Abhilash Kumar K.R	Rubber Technologist, Dunlop Airecraft Tyres, UK			
10	Dr. Sreethara Sharma	Scientist (R&D), Tata chemicals Ltd., UK			



- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. :
 - 1. RAPT 2K15 National Seminar on Recent Advances in Polymer Technology,
 - 2. Advances in Polymeric Materials 'APM 2K15', CYSEC 2015 Two day seminar
 - 3. 2 days workshop on Cyber Security issues and Kali Linux.
 - 4. 3 days Nature awareness Camps have been conducted in Thekkady, Munnar & Kumarakom.
- **45.** List the teaching methods adopted by the faculty for different programmes. : Conducting practical, Tutorials, Projects, seminars, group discussions, Symposiums.
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Discussion and meeting with students and staff, collecting information from students.
- **47. Highlight the participation of students and faculty in extension activities. :** Social Service, Nature Club activities.
- **48.** Give details of "beyond syllabus scholarly activities" of the department. : Seminars, workshops, National Service Scheme, Nature Club, Women's forum.
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. Yes-AICTE
- **50.** Briefly highlight the contributions of the department in generating new knowledge, basic or applied.: The publications made by the faculty members in several international journals and the successful industry interaction stand testimony to the new knowledge generated by the School.
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.:

STRENGTH

- Highly qualified faculty.
- Teaching Department of a State University
- Transparent Governance and Administration
- Significant number of students are being placed on completion of the course.
- Goodwill and reputation



WEAKNESS:

- Limitation of infrastructure
- Self-Financing department and the fees is high.
- Not getting UGC/AICTE funds.
- Formal networking with other institutions

Opportunities

- New programmes in technology and applied sciences
- Alumni Networking for Academic and placement activities
- Enhance research activities through sponsored R&D projects
- Catering all sections of the society

Challenges:

- Lack of permanent faculty.
- Power failure and interrupted supply.
- Upkeep of instruments in full working condition.

52. Future plans of the department.

- Convening conferences in joint collaboration with national and international institutions.
- Commencing new courses in the field of technology and applied sciences.
- To enhance institution / industry interaction and curriculum development.
- Improving the activities of the Placement Cell and Alumni.

SCHOOL OF APPLIED LIFE SCIENCES, CHUTTIPPARA

1.	Name of the Department	:	School of App	School of Applied Life Sciences					
2.	Year of establishment	:	1995						
3.	Is the Department part of a School/Faculty of the University?	:	School coming	School coming under the Faculty of Science					
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	P.G., M. Phil	P.G., M. Phil					
5.	Interdisciplinary programmes and departments involved	:	No participation with other departments						
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	No.						
7.	Details of programmes discontinued, if any, with reasons	:	No.						
8.	Examination System	:	Semester (Ch System)	oice Based C	Credit ar	nd Semester			
9.	Participation of the department in the courses offered by other departments	:	No participation with other departments						
	Number of teaching posts, sanctioned, filled and actual (Professors/Associate		Sanctioned Filled Actual (including CAS & MPS)						
	Professors/Asst.		Professor	Nil.	Nil]			
10.	Professors/others)	:	Associate Professors	Nil.	Nil				
			Asst. Professors	1	1				
			Others	-	-				



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.A.Chandran	M.Sc.,Ph.D.	Director i/c (Asst.Prof.on Contract)	Aquatic Biology and Fisheries	30 years
Prof. Koshy Thomas (Rtd.Professor)	M.Sc.,M.Phil.	Lecturer(On Contract)	Aquatic Biology and Fisheries	30 Years
Prof.Rosy Issac Nallengara (Rtd.Prof.)	M.Sc., M.Phil.	Guest Lecturer	Aquatic Biology and Fisheries	30 Years
Ms.Reshma Prabhakar	M.Sc., M.Phil.	Lecturer (on Contract)	Fishery Biology and Aquaculture	4 Years
Ms. Remya R.Raj	M.Sc.,M.Phil	Guest Lecturer	Fishery Biology and Aquaculture	4 Years

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- No visiting faculty

13. Percentage of classes taken by temporary faculty – programme-wise information

-All theory and practical classes are handled by contract and guest faculty

14. Programme-wise Student Teacher Ratio

Academic	Course	Student: teacher
year		
2011-12	M.Sc	8:1
	M.Phil	6:1
2012-13	M.Sc	5:1
	M.Phil	6:1
2013-14	M.Sc	8:1
	M.Phil	4:1
2014-15	M.Sc	10:1
	M.Phil	6:1
2015-16	M.Sc	10:1
	M.Phil	6:1



15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Academic	Academic		Administrative	
year	Sanctioned	Filled	Sanctioned	filled
2011-12	2	2	4	4
2012-13	2	2	4	4
2013-14	0	0	4	3
2014-15	0	0	4	3
2015-16	0	0	4	2

- 16. Research thrust areas as recognized by major funding agencies: Nil
- 17. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received.:

 No projects funded by national or International agencies.
- 18. Inter-institutional collaborative projects and associated grants received : Nil
- 19. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received. Not applicable.
- 20. Research Centre /facility recognized by: Nil
- 21. Special research laboratories sponsored by/created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	07
2.	Monographs	Nil
3.	Conference Proceedings	Nil
4.	Chapters in Books	Nil
5.	Edited Books	Nil
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
	Total	07



- 23. Details of patents and income generated: Nil
- **24. Areas of consultancy and income generated:** So far no income generating consultancy services have been undertaken by the department
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad: Nil
- 26. Faculty as members in a) National committees b) International Committees c) Editorial Boards- Nil
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): Nil

28. Student projects

- i. Percentage of students who have done in-house projects including interdepartmental projects: 95%
- ii. Percentage of students doing projects in collaboration with other universities / industry / institute: 5%
- 29. Awards / Recognitions received by faculty and students: Nil.
- 30. Seminars/ Conferences/Workshops organized & the source of funding a) National b) International: Nil
- 31. Code of ethics for research followed by the departments:
 Plagiarism software is being used to monitor the research articles and thesis.

32. Student profile programme/course wise:

Academic	Course	Applications Soloated		Enre	olled	Pass
year	Course	received	Selected	*M	*F	percentage
2011-12	M.Sc	25	25	02	18	100
	M.Phil	06	06	0	06	100
2012-13	M.Sc	27	25	1	13	100
	M.Phil	07	06	0	6	100

^{*}M=Male: *F=Female



33. Diversity of Students.

Academic year	Course	% of students from the same state	% of students from other states	% of students from abroad
2011-12	M.Sc	100	0	0
2011-12	M.Phil	100	0	0
2012-13	M.Sc	100	0	0
	M.Phil	100	0	0
2013-14	M.Sc	100	0	0
2013-14	M.Phil	100	0	0
2014-15	M.Sc	100	0	0
2014-13	M.Phil	100	0	0
2015-16	M.Sc	100	0	0
2013-10	M.Phil	100	0	0

34. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NET/SET: 10

35. Student progression:

Student Progression	Against % enrolled
PG to M.Phil.	5-10%
PG to Ph.D.	5%
Ph.D. to Post -Doctoral	2%
Employed	
1.Campus Selection	Nil.
2.Other than Campus	
Recruitment	20-30%
Entrepreneurship/Self	10%
Employment	10%

36. Diversity of staff:

Percentage of faculty who are graduates				
of the same university	40%			
from other universities within the State	60%			
from universities from other States	Nil			
from universities outside the country	Nil			

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil



38. Details of Infrastructural facilities

a) Library:

Adequate library facilities are available for both staff and students of the department

a) Internet facilities for staff and students.

Basic internet facility is available within the department. Both the staff and students have free access to this facility provided in the computer room of the department

b) Class rooms with ICT facility.

None of the class rooms in the department have ICT facility

c) Laboratories.

Two functional laboratories, one for biological and physiological works, and the other for microbiological studies, are available in the department

39. List of doctoral, post-doctoral students and Research Associates: Nil

40. Number of post graduate students getting financial assistance from the university

Academic year	Course	No. of students getting Financial assistance
2011-12	M.Sc	22
2011-12	M.Phil	05
2012-13	M.Sc	14
2012-13	M.Phil	05
2013-14	M.Sc	18
2013-14	M.Phil	03
2014-15	M.Sc	28
2014-13	M.Phil	02
2015-16	M.Sc	31
2013-10	M.Phil	02

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.:

After discussing with experts and stakeholders in the area

42. Does the department obtain feedback from

- i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? The Faculty Council analyses the feedback and makes necessary changes and additions.
- ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? collect the feedback from students and discussed in the faculty council and take measures to resolve
- iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?

We collect the suggestions from the Alumni of this college to revise the curriculum.



43. List the distinguished alumni of the department:

Sl No.	Name	Current Position
1.	Dr.T.G.Manojkumar,	Asst. Director, Marine Products
1.	Di.i.G.Manojkumai,	Export Development Authority, Kochi
2.	Dr. P.S.Sivaprasad,	Society for Assistance to fisher women
۷.	Dr. F.S.Sivapiasau,	Dept. of Fisheries, Govt. of Kerala
3.	Dr.K.Jayalekshmi	Asst.Professor, Kerala University of
3.	DI.K.Jayaieksiiiii	Fisheries and Oceans, Kochi
4.	Dr.J.Jean Jose	Asst.Professor,Dept.Zoology,
4.	Dr.J.Jean Jose	S.G.College, Kottarakkara, Kerala
5.	Dr Fanan Jacob	Asst.Professor, Dept.Zoology, Women's
3.	Dr.Eapen Jacob	College ,Trivandrum
6.	Dr.B.O.Prasad	Asst.Professor, Dept. of Zoology.
0.	Dr.B.O.Prasad	,Kannur University
7.	Dr Chilly Elizabeth David	Asst.Professor, Dept of Zoology, Mar
7.	.Dr.Shilly Elizabeth David	Thoma College, Tiruvalla

44. Give details on student enrichment programmes (special lectures / workshops /

Seminar) with external experts

A series of talks and lectures by experts in the field of fisheries and aquaculture are organized to make the students aware of the latest developments in fisheries in general and Aquaculture, in particular.

45. List the teaching methods adopted by the faculty for different programmes:

- Lectures and lab works
- Power-point Presentations
- Demonstrations through models and experiments.
- Homework Assignments
- Seminars and Projects.
- Case-studies on related topics

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

A committee consisting of the teaching faculty of the Institution meet regularly to monitor the progress of the Institution based on the outcome of learning and teaching processes, as well as the infrastructure developments of the Institution.

47. Highlight the participation of students and faculty in extension activities:

- a) Active participation in various environmental issues
- b) Involvement in blood donation programmes
- c) Participation in the transfer of aquaculture technology to the rural public



48. Give details of "beyond syllabus scholarly activities" of the department:

The students and the faculty of the actively participate in all the exhibitions conducted by the Dept. of Fisheries ,Govt. of Kerala, on aquaculture ,through which the students transfer to the common people the much needed information relating to fish keeping, Aquacuture, and Aquaponics. Apart from the above, the institution also involves in

- Scholarly lectures by experts.
- Workshops, seminars and discussion meetings.
- Quiz competitions.
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: No
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
 - One of the faculty members has described one new species of fish *Olyra* from Kerala.
 - Contributed much information about the osteological features of cyprinid fishes from the Western Ghats, Kerala.
 - Much knowledge generated on study of fish systematic using the modern taxonomic tool Geometric morphometry.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

STRENGTHS

- All courses are offered with full strength of students.
- All faculty with Teaching and Research experience.
- Highly interactive Alumni.
- Recognition of the course from PSC, Govt. of Kerala
- Observation of auspicious days with full co-operation and participation of students guided by the faculty

WEAKNESS

- Insufficient infrastructure.
- No full-fledged aquaculture wet lab, live feed culture lab and bio-chemistry (Fish Technology) lab.
- No hostel facility for girl students.
- Less number of research journals in the library.
- No smart class rooms.

OPPORTUNITIES

- Institute provides ample opportunities for the study of Inland fishery resources of the Western Ghats, Kerala
- Major projects on reservoir fishes, hill stream fishes etc. of the Western Ghats can be undertaken.

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- Development of the inland fishery sector in Kerala through the outcome of research projects, and would create much employment opportunities for students.
- Excellent opportunity to study of culture and management of indigenous fresh water ornamental fishes of Kerala
- Excellent opportunity to learn about other branches of life science.

CHALLENGES

- Lack of permanent faculty.
- There are no funded research projects.
- No approved research guide nor Ph.D. programme.
- Keeping students focused in the face of increasing competition in every field.
- Providing useful career guidance to students.

52. Future plans of the department.

- Conduct of short-term manpower training and transfer of technology programmes.
- Establishment of a repository of fresh water fishes of the Western Ghats (a reference centre for Fish Taxonomy).
- Domestication of indigenous ornamental fishes of Kerala.
- To undertake specific research programmes in collaboration with National Fisheries Research Institutes.
- To bring SALS the status of a recognized Fisheries Research Institute under Mahatma Gandhi University.

SCHOOL OF MEDICAL EDUCATION, GANDHINAGAR

1.	Name of the Department	:	School of Medical Education, Mahatma Gandhi University, Gandhinagar
2.	Year of establishment	:	1983
3.	Is the Department part of a School/Faculty of the University?	:	Yes
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	 BSc Nursing, BSc MLT BPT BMRT BSc Medical Microbiology B Pharm Master of Hospital Administration Master of Public Health MSc Medical Anatomy MSc Medical Documentation MSc Biomedical Instrumentation MSc Medical Biochemistry MSc Medical Microbiology M Pharm MPT.
5.	Interdisciplinary programmes and departments involved	:	Nil
6.	Courses in collaboration with other universities, industries, foreign institutions, etc.	:	Nil
7.	Details of programmes discontinued, if any, with reasons	:	MSc Nursing. Withdrawal of sanction of the regulatory body
8.	Examination System	:	Annual and semester wise
9.	Participation of the department in the courses offered by other departments	:	Nil



	Number of teaching posts, sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)	Principals	Sanctioned 6	Filled 7
10		Professors	8	0
10.		Associate Professors	8	7
		Assistant Professors	20	11
		Lecturers	54	84

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

INSTITUTE OF NURSING EDUCATION, GANDHINAGAR.

Sl.No	Name	Qualification	Designation	Specialty
1	Prof. Celine Thomas	M Sc Nursing	Professor cum Principal	Obstetrical and Gynaecological Nursing
2	Mrs. Sherlymol Antomy	M Sc Nursing	Associate Professor	Obstetrical and Gynaecological Nursing
3	Mrs.Mariamma P Varghese	M Sc Nursing	Assistant Professor	Mental Health Nursing
4	Mrs. Pushkala N.R	M Sc Nursing	Assistant Professor	Mental Health Nursing
5	Mrs Treesamma Peter	M Sc Nursing	Lecturer	Medical Surgical Nursing
6	Mrs. Simmy M Varkey	M Sc Nursing	Lecturer	Medical Surgical Nursing
7	Mr. Biju.S	M Sc Nursing	Lecturer	Medical Surgical Nursing
8	Mrs. Lekshmipriya P.S	M Sc Nursing	Lecturer	Obstetrical and Gynaecological Nursing
9	Mrs. Sapthami R.S	M Sc Nursing	Lecturer	Community Health Nursing



10	Mrs. Sreeja Mohan	M Sc Nursing	Lecturer	Child Health Nursing
11	Mrs. Renjini V Thampy	M Sc Nursing	Lecturer	Obstetrical and Gynaecological Nursing
12	Mrs.Siji George	M Sc Nursing	Lecturer	Child Health Nursing
13	Mrs.Andrea Brodin	M Sc Nursing	Lecturer	Medical Surgical Nursing
14	Mrs.Hajira Beevi	M Sc Nursing	Lecturer	Community Health Nursing
15	Mrs.Alinta P Thomas	M Sc Nursing	Lecturer	Child Health Nursing
16	Mrs.Rosemol M A	M Sc Nursing	Lecturer	Obstetrical and Gynaecological Nursing
17	Haritha Krishnan	M Sc Nursing	Lecturer	Child Health Nursing
18	Mrs. Lucy Abraham	B Sc Nursing	Full Time Guest Lecturer	-
19	Mrs. Kavitha.K	B Sc Nursing	Full Time Guest Lecturer	-
20	Mrs. Neethu Joslin	B Sc Nursing	Full Time Guest Lecturer	-
21	Mrs. Jossy John	B Sc Nursing	Full Time Guest Lecturer	-

INSTITUTE OF NURSING EDUCATION, MANIMALAKUNNU.

Sl.No	Name	Qualification	Designation	Specialty
1	Ms. Reny Thomas	Professor cum Principal	M.Sc Nursing	Medical Surgical Nursing
2	Ms. Anu N Baby	Asso. Professor	M.Sc Nursing	Child Health Nursing
3	Ms. Sheena P.V	Assistant Professor	M.Sc Nursing	Child Health Nursing
4	Ms. Sumi Zacharias	Lecturer	M.Sc Nursing	Medical Surgical Nursing



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5	Mr. Saji Joseph	Lecturer	M.Sc Nursing	Mental Health Nursing
6	Ms. Raji Paulose	Lecturer	M.Sc Nursing	Community Health Nursing
7	Ms. Daliyamo.M.A	Lecturer	M.Sc Nursing	Medical Surgical Nursing
8	Ms. Nirmala V	Lecturer	M.Sc Nursing	Community Health Nursing
9	Ms. Sheeba C	Lecturer	M.Sc Nursing	Child Health Nursing
10	Ms. Abhitha Karun	Lecturer	M.Sc Nursing	Child Health Nursing
11	Ms. Remya Romina Alexander	Lecturer	M.Sc Nursing	Child Health Nursing
12	Ms. Sini James	Lecturer	M.Sc Nursing	Obstetrics and Gynaecological Nursing
13	Ms. Elsa Johnson	Lecturer	M.Sc Nursing	Obstetrics and Gynaecological Nursing
14	Ms. Soumya Krishnan	Lecturer	M.Sc Nursing	Child Health Nursing
15	Ms. Jinis Jose	Lecturer	M.Sc Nursing	Medical Surgical Nursing
16	Ms. Anitha N.V	Full time internal guest lecturer	B.Sc Nursing	
17	Ms. Shimy James	Full time internal guest lecturer	B.Sc Nursing	



Sl.No	Name	Qualification	Designation	Specialty
1	Mr. Abdul Salam .N	Professor cum Principal	M.Sc Nursing	Community Health Nursing
2	Mrs. Jomy john	Asso. Professor	M.Sc Nursing	Child Health Nursing
3	Mrs. Maya P.K	Asst. Professor	M.Sc Nursing	Mental Health Nursing
4	Mrs. Thushra .G	Lecturer	M.Sc Nursing	Community Health Nursing
5	Mrs. Ashitha Chandran	Lecturer	M.Sc Nursing	Medical Surgical Nursing
6	Mrs. Siyana .M	Lecturer	M.Sc Nursing	OBG
7	Ms. Rani Meeran	Lecturer	M.Sc Nursing	OBG
8	Ms. Preethy Mary Mathew	Lecturer	M.Sc Nursing	Medical Surgical Nursing
9	Ms.Mini Mathew	Lecturer	M.Sc Nursing	Medical Surgical Nursing
10	Ms. Lera Ravi	Lecturer	M.Sc Nursing	OBG
11	Ms. Renjini Chandran	Lecturer	M.Sc Nursing	OBG
12	Ms.Nimmy Thadathil	Lecturer	M.Sc Nursing	Child Health Nursing
13	Ms.Elizabeth George	Full Time Intenral Guest faculty	B.sc Nursing	
14	Ms.Vishnu Priya	٠.	B.sc Nursing	
15	Ms. Anju .A	"	B.sc Nursing	



INSTITUTE OF NURSING EDUCATION NEDUMKANDAM

Sl.No	Name	Qualification	Designation	Specialty
1	Mr. Raja.A	M.Sc Nursing	Professor cum Principal	Mental Health Nursing
2	Mrs. Sampath	M.Sc Nursing	Asso. Professor	Child Health Nursing
3	Mrs. Ragina .J	M.Sc Nursing	Lecturer	OBG
4	Mrs. Sajini Joy	M.Sc Nursing	Lecturer	Child Health Nursing
5	Mrs. Dhanya M Nair	PhD (Nursing)	Lecturer	Child Health Nursing
6	Mrs. Sudha .R	M.Sc Nursing	Lecturer	Medical Surgical Nursing
7	Mr. Jinto Joy	M.Sc Nursing	Lecturer	Mental Health Nursing
8	Ms. Ritty Thankachan	M.Sc Nursing	Lecturer	Medical Surgical Nursing
9	Mr. Jony Thomas	M.Sc Nursing	Lecturer	Community Health Nursing
10	Mrs. Shaiby Augustin	M.Sc Nursing	Lecturer	Community Health Nursing
11	Ms. Jyoyhilekshmi .S	M.Sc Nursing	Lecturer	Medical Surgical Nursing
12	Ms. Liya Sarah George	M.Sc Nursing	Lecturer	Child Health Nursing
13	Ms. Sreekutty Divakaran	M.Sc Nursing	Lecturer	Community Health Nursing
14	Mr. Saneesh A Thomas	M.Sc Nursing	Lecturer	Mental Health Nursing
15	Ms. Priyanka P	M.Sc Nursing	Lecturer	OBG
16	Mrs. Remyamol P S	M.Sc Nursing	Lecturer	Medical Surgical Nursing
17	Ms. Jilu	B.Sc Nursing	Full Time Internal Guest	



	Maria Jose		Faculty	
18	Ms. Roshni Varghese	B.Sc Nursing		
19	Mrs. Mary George	Post Basic B.Sc		
20	Mrs. Asha Gopal	B.Sc Nursing		
21	Mrs. Shreelaya Thomas	B.Sc Nursing		
22	Ms. Vidya .M	B.Sc Nursing	"	

INSTITUTE OF NURSING EDUCATION, PUTHUPPALLY

Sl. No.	Name	Designation	Qualification & Subject
01	Prof. Pushpa R.	Professor Cum Principal	M.Sc Nursing (Community Health Nursing)
02	Yamuna Jose	Asso. Prof. cum Vice- Principal	M.Sc. Nursing Community Health Nursing
03	Mrs. Reethamma N.T.	Asst. Professor	M.Sc Nursing (Mental Health Nursing)
04	Mrs.Sindhu Mathew	Assistant Professor	M.Sc Nursing (Child Health Nsg.)
05	Mrs.Latha P.S.	Sr. Lecturer	M.Sc. Nursing Medical
06	Mrs. Sonsy Mathew	Lecturer	M.Sc Nursing (Medical Surgical Nursing)
07	Mrs.Shiby Mathew	Sr. Lecturer	M.Sc. Nursing (Community Health Nsg.)
08	Mrs. Suma C	Sr. Lecturer	M.Sc Nursing (Mental Health Nursing
09	Mrs. Nisha Surendran	Lecturer	M.Sc (Nsg.)

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			OBG Nursing
10	Mrs.Shazia Noorin Bin Syed Mustafa	Lecturer	M.Sc Nursing (Medical Surgical Nursing)
11	Mrs.Rajeswari G	Lecturer	M.Sc. Nursing (Community Health Nsg.)
12	Ms. Remyamol P.S.	Lecturer	M.Sc Nursing (Medical Surgical Nursing)
13	Mrs. Jincy Abraham	Lecturer	M.Sc Nsg. (OBG)
14	Mrs. Mariya Jose	Lecturer	M.Sc Nsg. (OBG)
15	Mrs.Mittu Mathew	Lecturer	
16	Mrs. Nisha Jose	Lecturer	M.Sc Nsg. (Medical Surgical Nursing)
17	Mrs.Jyothi Susan Vargheese	Full time Internal Guest lecturer with PG	M.Sc Nursing (Child Health Nsg.)
18	Mrs. Moby Sara Mathew	Full time Internal Guest Lecturer	B.Sc Nursing
19	Mrs. Rejani . M.C.	Full time Internal Guest lecturer	B.Sc Nursing
20	Mrs. Remya Raj	Full time Internal Guest Lecturer	B.Sc Nursing
21	Mrs. Lini Viswam	Full time Internal Guest lecturer	B.Sc Nursing

INSTITUTE OF NURSING EDUCATION, PALA

SI No	Name,	Designation	Qualification & Specialty
1.	Mrs. Regi Thomas	Professor Principal	M.Sc Nursing Child Health Nursing
2.	Mrs. Ambili A	Associate Professor	M.Sc Nursing (Medical Surgical Nursing)



	Mrs. Manju P. Joseph,		M.Sc Nursing
3.	wirs. Wanju T. Joseph, ,	Asst. Professor	(Medical Surgical Nursing)
4.	Mrs. Neenu Jose,	Sr. Lecturer	(OBG Nursing)M.Sc Nursing
5.	Mrs. Somy Cyriac,	Sr. Lecturer	M.Sc Nursing (OBG Nursing)
6	Ms. Dija Mathew	Lecturer on contract	M.Sc Nursing Child Health Nursing
7	Ms. Anugraha Babu	Lecturer on contract	M.Sc Nursing OBG Nursing
8	Ms. Honey Zacharias	Lecturer on contract	M.Sc Nursing Community Health Nursing
9	Ms. Pinku Alphons Joseph	Lecturer on contract	M.Sc Nursing Child Health Nursing
10	Ms. Riya John	Lecturer on contract	M.Sc Nursing OBG Nursing
11	Ms. Joicy Joseph	Lecturer on contract	M.Sc Nursing (Medical Surgical Nursing)
12	Ms. Annamma John	Full time Internal Guest Faculty	B. Sc Nursing
13	Ms.Alphonsa Jacob	Full time Internal Guest Faculty	B. Sc Nursing
14	Ms. Lissamma Sebastian	Full time Internal Guest Faculty	B. Sc Nursing
15	Ms. Ambujam M. B.	Full time Internal Guest Faculty	B. Sc Nursing
16	Ms. Divya S.	Full time Internal Guest Faculty	B. Sc Nursing
17	Ms. Bindu R.	Full time Internal	B. Sc Nursing

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		Guest Faculty	
18	Ms. Harsha Pradeep	Full time Internal Guest Faculty	B. Sc Nursing
19	Ms. Hima Soman	Full time Internal Guest Faculty	B. Sc Nursing
20	Ms. Regin Joseph	Full time Internal Guest Faculty	B. Sc Nursing
21	Ms. Simi K.K.	Full time Internal Guest Faculty	B. Sc Nursing

DIVISION OF HEALTH MANAGEMENT, GANDHINAGAR

Sl. No.	Name	Designation	Qualification & Subject
01	Mr, Regi Ram S	Assistant Professor and HOD	МНМ
02	Dr. Ann Kavitha Mathew	Lecturer	MPH, PhD
03	Mr. Shibu Puthenparambil	Lecturer	МРН
04	Mr. Ranjithkumar K	Lecturer	MHA
05	Ms. Jinu Jose	Lecturer	МРН
06	Mr. Siby Thomas	Lecturer	MHA
07	Ms.Greeshma S	Lecturer	MHA

DEPARTMENT OF BIOMEDICAL INSTRUMENTATION, GANDHINAGAR

Sl. No.	Name	Designation	Qualification & Subject
01	Mr. Nandakumar P.S	Assistant Professor and HOD	MCA
02	Ms. Sangeetha K. Chinnan	Lecturer	MSc. App. Sc. Biomedical Instrumentation

DEPARTMENT OF MEDICAL DOCUMENTATION, GANDHINAGAR

Sl. No.	Name	Designation	Qualification & Subject
01	Ms. Suma V. Madhavan	Assistant Professor and HOD I/c	M. App. Sc. Medical Documentation
02	Ms. Swapna p. Kumaran	Lecturer	M. App. Sc. Medical Documentation

DEPARTMENT OF MEDICAL MICROBIOLOGY, GANDHINAGAR

Sl. No.	Name	Designation	Qualification & Subject
1	Dr.K. M Joseph	Prof. and H.O.D	MBBS,MD (Microbiology)
2	Ms.Annamma Cherian	Asst. Professor	MSc. Med.Microbiology
3	Dr. Shini Zacharia	Asst. Professor	MSc. Med.Microbiology M Phil Microbiology PhD Microbiology
4	Ms. Binu N	Lecturer	MSc. Med.Microbiology
5	Dr Asha Peter	Lecturer	MSc. Med.Microbiology PhD Microbiology
6	Ms Georgeena Mariam George	Lecturer	MSc. Med.Microbiology
7	Mr Shinu Krishnan	Lecturer	MSc. Med.Microbiology
8	Asalatha R	Lecturer	MSc. Med.Microbiology
9	Ms Sajmi Sathar	Lecturer	MSc. Med.Microbiology
10	Ms Anila Gopal	Lecturer	MSc. Med.Microbiology
11	Ms Radhika Murali	Lecturer	MSc. Med.Microbiology



DEPARTMENT OF MEDICAL BIOCHEMISTRY, GANDHINAGAR

Sl. No.	Name	Designation	Qualification & Subject
01	Ms. Sharlet George	Assistant Professor and HOD I/c	MSc Medical Biochemistry
02	Dr. Sunitha T. K	Lecturer	M. App. Medical Biochemistry, PhD
03	Shiny Manuel	Lecturer	MSc Medical Biochemistry
04	Raji K. V	Lecturer	MSc Medical Biochemistry
05	Aswathy Narayanan	Lecturer	MSc Medical Biochemistry
06	Athira Prasannan	Lecturer	MSc Medical Biochemistry
07	Anupama Baby C	Lecturer	M. App. Medical Biochemistry
08	Sunimol V	Lecturer	MSc Medical Biochemistry

DEPARTMENT OF MEDICAL ANATOMY, GANDHINAGAR

Sl. No.	Name	Designation	Qualification & Subject
01	Dr. Sivaprakash R	Assistant Professor and HOD I/c	BHMS, MHSc CCD
02	Ms. Ragisha Rajendran	Lecturer	MSc. Anatomy
03	Ms. Asha K. Appukkuttan	Lecturer	MSc. Anatomy
04	Ms. Jubeena C. S	Lecturer	MSc. Medical Anatomy

DEPARTMENT OF MEDICAL RADIOLOGICAL TECHNOLOGY, GANDHINAGAR

Sl. No.	Name	Designation	Qualification & Subject
01	Dr Jugan J	HOD	PhD Physics, DRP (BARC Mumbai)
02	Narayanan N	Lecturer	MSc Mathematics, SLET
03	Sreeja J	Lecturer	MSc Physics, B.Ed, SET
04	Rakhi J Babu	Lecturer	BMRT, MA (Sociology)
05	Premjith K R	Lecturer	BMRT, MHRM
06	Shabina Shamsudheen	Lecturer	BMRT
07	Sreejith S V	Lecturer	BMRT

DEPARTMENT OF PHYSIOTHERAPY, GANDHINAGAR

Sl. No.	Name	Designation	Qualification & Subject
01	Ms. Priya Accal Thomas	Assistant Professor and HOD I/c	MPT – Cardio
02	Ms. Resna S	Asst. Professor	BPT
03	Mr. Jince Augustine	Asst. professor	MPT –Musculoskeletal disorders and sports physiotherapy
04	Ms. Shyni M	Lecturer	MPT – Community Rehabilitation
05	Mr. Albeni I.S	Lecturer	MPT – Orthopaedics
06	Ms. Manjula Sukumari Noonae	Lecturer	MPT – Neuro
07	Mr. Deepu C. B	Lecturer	MPT – Ortho, M.Phil – Disability
08	Ms. Ansu Riya George	Lecturer	MPT – Community Rehabilitation
09	Ms. Prathibha I. Janardhanan	Lecturer	MPT – Neuro



DEPARTMENT OF PHYSIOTHERAPY, ANGAMALY

Sl. No.	Name	Designation	Qualification & Subject
01	Mr. Sanil Raj P.R	Assistant Professor and HOD I/c	MPT-Neuro
02	Ms. Kochu Rani Jacob	Assistant Professor	MPT-Orthopaedics
03	Ms. Ancy Paul	Assistant Professor	MPT-Paediatrics
04	Ms. Bini Sebastian	Lecturer	BPT
05	Ms. Binitta Cherian	Lecturer	BPT
06	Mr. Sudheep K	Lecturer	MPT-Advanced Orthopaedics
07	Mr. Sujith S	Lecturer	MPT - Orthopaedics

DEPARTMENT OF MLT, GANDHINAGAR

Sl. No.	Name	Designation	Qualification & Subject
01	Ms. Sagi TM	Assistant Professor and HOD I/c	MSc MLT
02	Ms. Anu George	Assistant Professor	BSc MLT
03	Ms. Soumya P.V	Lecturer	BSc MLT
04	Ms. Seena MP	Lecturer	BSc MLT
05	Ms. Jyothishna Dasan	Lecturer	BSc MLT
06	Ms. Reenu Suja Kuriakose	Lecturer	BSc MLT

DEPARTMENT OF MLT, PUTHUPPALLY

Sl. No.	Name	Designation	Qualification & Subject
01	Suja Mathews	Assistant Professor and	MSc MLT
01		HOD I/c	Clinical Biochemistry
00	D., 17	A ' A D C	MSc MLT (Distance)
02	Biju K	Assistant Professor	BSc MLT
02	Sureshkumar K S	A D . C	MSc MLT
03		Assistant Professor	Clinical Biochemistry
04	Raji Lal	Lecturer	BSc MLT
05	Rajani U	Lecturer	BSc MLT

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06	Maneesha Susan Mathew	Lecturer	BSc MLT
07	Sabitha S	Lecturer	MSc MLT Biochemistry
08	Sheeba Jasmine K	Lecturer	MSc MLT Microbiology

DEPARTMENT OF MLT, ANGAMALY

Sl. No.	Name	Designation	Qualification & Subject
01	Ms. Rani Sreedharan	Assistant Professor and HOD	MSc Medical Microbiology
02	Ms. Maya K. Mathew	Assistant Professor	MSc MLT
03	Ms. Shyleja S	Lecturer	BSc MLT
04	Ms. Soumya Mol ND	Lecturer	BSc MLT
05	Ms. Vrinda K.P	Lecturer	BSc MLT
06	Ms. Smitha Sasidharan V	Lecturer	BSc MLT

DEPARTMENT OF MLT, MANIMALAKUNNU

Sl. No.	Name	Designation	Qualification & Subject
01	Mr. Prince Thomas	Assistant Professor and HOD I/c	MSc MLT
02	Ms. Ajitha Mathew	Lecturer	BSc MLT
03	Ms. Swapna Lukose	Lecturer	BSc MLT
04	Ms. Soniya Mohandas	Lecturer	MSc MLT



DEPARTMENT OF PHYSIOLOGY AND NUTRITION, GANDHINAGAR

Sl. No.	Name	Designation	Qualification & Subject
01	Ms. Saina Thomas	Lecturer and Course coordinator	MSc Home Science, M Phil
02	Dr. Manjusha G	Lecturer	BHMS
03	Dr. Anju Antony	Lecturer	BHMS
04	Dr. R. Rakesh	Lecturer	BHMS
05	Ms. Chitra Prasad	Lecturer	MSc. Medical Physiology
06	MS. Vineetha Merin Varghese	Lecturer	MSc. Medical Physiology

DEPARTMENT OF PHARMACEUTICAL SCIENCE, PUTHUPPALLY

Sl. No	Name	Designation	Educational Qualification	Specialization
1	Mr. P. Sri Ganesan	Asst. Professor, Principal i/c	M. Pharm	Pharmaceutics
2.	Dr. Krishna Kumar K R	Associate Professor	M. Pharm, PhD	Pharmaceutical Chemistry
3	Mr. A. J. Chacko	Asst. Professor	M. Pharm	Pharmaceutics
4	Dr. Sibi. P. I	Asst. Professor	M. Pharm, PhD	Pharmacology
5	Mr. Sudhir M R	Senior Lecturer	M. Pharm	Pharmaceutics
6	Mr. Jayaprakash A P	Senior Lecturer	M. Pharm	Pharmaceutical Chemistry
7	Mr. Pramod C	Senior Lecturer	M. Pharm	Pharmacy Practice
8	Mr. Jessy Jacob	Senior Lecturer	M. Pharm	Pharmaceutical Chemistry
9	Mrs.Bindu.K	Senior Lecturer	M. Pharm	Pharmaceutics
10	Mr. Beena Thomas	Senior Lecturer	M. Pharm	Pharmaceutical Chemistry
11	Mr. Paul Jacob	Senior Lecturer	M. Pharm	Pharmaceutical Analysis



12	Mr. Sujesh. M	Senior Lecturer	M. Pharm	Pharmacology
13	Mrs. Elizabeth Abraham. P	Lecturer	M. Pharm	Pharmacology
14	Mr. Shan. P. Mohammed	Full time Internal Guest Lecturer	M. Pharm	Pharmacology
15	Mr. Neema George	Full time Internal Guest Lecturer	M. Pharm	Pharmaceutics
16	Mr. Vijayalakhsmi N. J	Full time Internal Guest Lecturer	M. Pharm	Pharmacognosy
17	Mr. Arun Raj	Full time Internal Guest Lecturer	M. Pharm	Pharmaceutics
18	Mrs. Anjana T. S	Full time Internal Guest Lecturer	M. Pharm	Pharmaceutical Chemistry

DEPARTMENT OF PHARMACEUTICAL SCIENCE, CHERUVANDOOR

SL. No	Name	Designation	Educational Qualification	Specialization
1	Dr. Jyoti Harindran	Principal and Professor	M. Pharm MS(UK) PGDBM, PhD	Pharmacology, plant medicine, Pharmaceutical Sciences
2	Dr, Anil Kumar N	Asst professor	M. Pharm, PhD	Pharmaceutics
3	Mrs.Bobby S. prasasd	Senior Lecturer	M. Pharm, (PhD(Thesis Submitted M.G.University)	Pharmaceutical Chemistry
4	Mr.Sajan Jose	Senior Lecturer	M. Pharm, PhD (submitted), M.G.University	Pharmaceutics
5	Mrs. Shakeela Yusuf	Senior Lecturer	M. Pharm,	Pharmaceutical Chemistry
6	Dr. Cinu Thomas A	Senior Lecturer	M. Pharm,PhD	Pharmaceutical Chemistry
7	Mrs.Bindu A.R	Senior Lecturer	M.Pharm	Pharmacognosy
8	Mrs. Litty Joseph	Senior Lecturer	M. Pharm	Pharmacology
9.	Mr. Jayachandran T	Senior Lecturer	M.Pharm	Pharmacology



Mahatma Gandhi University

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	P			
10	Dr.Veena R	Senior Lecturer	M. Pharm PhD	Pharmacy Practice
11.	Dr.Abdul Vahab A	Senior Lecturer	M Pharm PhD	Pharmacology
12.	Mrs.Ashwathi K.S	Full time Internal Guest Lecturer	M.Pharm-	Pharmaceutics
13	Dr. Beena Bridget Kuriakose	Full time Internal Guest Lecturer	M.Pharm PhD	Pharmacognosy
14	Mrs. Anjana Abraham	Full time Internal Guest Lecturer	M.Pharm	Pharmacy Practice
15	Mrs. Mary Sheeja T.L.	Full time Internal Guest Lecturer	M.Pharm	pharmaceutical Chemistry
16	Mrs.Sereena Ismail	Full time Internal Guest Lecturer	M.Pharm	Pharmaceutics
17	Mrs. Smitha John	Full time Internal Guest Lecturer	M.Pharm Pharmaceutics	Pharmaceutics
18	Mr. SharathSasikumar	Full time Internal Guest Lecturer	M.Pharm	pharmaceutical Chemistry

- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: 60
- 13. Percentage of classes taken by temporary faculty programme-wise information:
 All are temporary faculties
- 14. Programme-wise Student Teacher Ratio: 10:1
- 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : 40
- 16. Research thrust areas as recognized by major funding agencies: Nil



- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received:1
- 18. Inter-institutional collaborative projects and associated grants received
- a) National collaboration b) International collaboration : Nil
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil
- 20. Research facility / centre with

State recognition

National recognition

International recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	15
2.	Monographs	Nil
3.	Conference Proceedings	Nil
4.	Chapters in Books	Nil
5.	Edited Books	Nil
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
	Total	15

- 23. Details of patents and income generated : Nil
- 24. Areas of consultancy and income generated: NA



- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil
- 26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other
 - b) (please specify): Nil
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

 NA
- 28. Student projects

Percentage of students who have done in-house projects including interdepartmental/programme

- Nil

Percentage of students doing projects in collaboration with other universities / industry / institute

- Nil

29. Awards / recognitions received at the national and international level by

Faculty

Doctoral / post-doctoral fellows

Students

- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
 - a) National: 2
 - b).International:
- 31. Code of ethics for research followed by the departments : NA



32. Student profile programme-wise:

Name of the	Applications		En	rolled	Pass
Course/programme (refer question no. 4)	received	Selected	*M	*F	percentage
BSc Nursing		300	15	285	Above 90%
BSc MLT		160	24	136	Above 90%
BPT	3000	80	20	60	Above 80%
B Pharm	. 5000 .	120	30	90	Above 90%
BMRT		20	4	16	Above 90%
BSc Medical Microbiology		45	9	36	Above 90%
MHA		25	4	21	Above 90%
MPH		20	4	16	Above 90%
MSc BMI		20	5	15	Above 90%
MSc Medical Documentation	980	25	3	22	Above 90%
MSc Medical Anatomy		10	2	8	Above 90%
MSc Medical Microbiology		10	1	9	Above 90%
M Pharm		30	6	24	Above 90%



33. Diversity of students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BSc Nursing	100	0	0
BSc MLT	100	0	0
BPT	100	0	0
BSc MRT	100	0	0
BSc Medical Microbiology	100	0	0
B Pharm	100	0	0
MPharm	100	0	0
MHA	100	0	0
MPH	100	0	0
Msc BMI	100	0	0
MSc Medical Documentation	100	0	0
MSc Medical Microbiology	100	0	. 0
MSc Medical Biochemistry	100	0	0
MSc Medical Anatomy	100	0	0

34. How many students have cleared Civil Services and Defence Services examinations, NET,

SET, GATE and other competitive examinations? Give details category-wise. Students attend these on their own and details are not available.

35. Student progression

Student progression	Against % enrolled
UG to PG	30%
PG to M. Phil.	2%
PG to Ph.D.	2%
Ph.D. to Post-Doctoral	Nil 40%
Employed	
 Campus selection 	30%
 Other than campus recruitment 	70%
Entrepreneurship/Self-employment	



36. Diversity of staff: NA

Student Progression	% against enrolled
UG to PG	
PG to M.Phil	
PG to Ph.D	
Ph.D to Post Doctoral	
Employed by Campus Selection	
Other than Campus recruitment	
 Entrepreneurs 	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library	Available,
b) Internet facilities for staff and students	Available
c) Total number of class rooms	
d) Class rooms with ICT facility	Yes
e) Students' laboratories	
f) Research laboratories	

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university:NA

b) from other institutions/universities: NA

40. Number of post graduate students getting financial assistance from the university.

During the current year, 241 students from SC/ST/OEC Category are receiving financial assistance from Government under this institution

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.:

The university has pioneered in self-financing education in the health sector way back after lot of studies which resulted in remarkable gains to students and society.



42. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	Yes. The centre makes strenuous efforts to improve the quality of teaching by using the latest electronic gadgets.
b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	Regular feedbacks obtained from students helped fine turning of the programmes.
c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?	Alumni extend support for the running activities of the School.

43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position
1.	Sudhish Manilal	Medical Record Officer, KIMS Alshifa
		Hospital
2.	Mahesh Madhavan	Head of Biomedical Engineering
		(Health Technology Management),
		Aster MIMS Hospital, Calicut
3.	Arunkumar	Quality and Process improvement
		Associate, Access Health International,
		Vijayawada
4.	Lincy Margaret	Quality Assurance Officer, National
		Health Mission, Kerala
5.	Shilpa Raju	Medical Record Technician, Muthoot
		Medical Centre, Kozhencherry
6.	Mobin Mathew	Medical Records Executive at Rajagiri
		Hospital Kochi
7.	Solaman Joseph	Lecturer in Anatomy at Crescent
		College of nursing, Alathur
8.	Shamna Shajahan	Microbiologist at KIMS hospital
		Trivandrum
9.	Jinu Anna John	Medical Record Librarian at Taluk
		Hospital, Tripunithura
10.	Rinu Susan Varghese	Physiotherapist at St Thomas Hospital
		,Chethipuzha



44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Student enrichment programmes such as special lectures, workshops and
- Seminars with external experts are conducted in various subjects
- 45. List the teaching methods adopted by the faculty for different programmes.

Computer assisted instruction, audio-visual aids, seminars, conferences, project study, epidemiological research etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The institution periodically assess the

- a) Progress and output its academic programmes
- b) Percentage of students going for higher education as well as employment
- c) Evaluate the success of the training and practical's undertaken by students.

47. Highlight the participation of students and faculty in extension activities.

School health programme, medical camps, health education classes, medical assistance for Sabarimala pilgrims, etc

48. Give details of "beyond syllabus scholarly activities" of the department.

Organising of medical camps, attending of expert lectures, participation in workshops and seminars etc.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Nursing Council, Pharmacy Council, Medical Council of India.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The publications made by the faculty members in several international journals stand testimony to the new knowledge generated by the college.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTH

- Almost all students are being placed on completion of the course.
- Goodwill and reputation.
- Qualified and experienced teachers.
- Tie up with reputed institutions.
- Quality student intake.



WEAKNESS:

- Limitation of infrastructure.
- Lack of own hospital for training.
- Lack of Faculty Improvement Programme.
- Lack of permanent staff in various departments.
- Lack of hostel facility.
- Lack of cooperation from Govt. accreditation bodies.

OPPORTUNITIES:

- High demand of qualified staff in health sector within the country and abroad.
- Mushroom growth of hospitals and public health projects

CHALLENGES:

- Competition from private sector.
- Lack of own hospital for training.
- Lesser number of permanent teachers.
- Lack of international students and twinning programmes.

52. Future plans of the department.

- To start MSc MLT and MSc MRT courses
- To start Pharm-D course
- To start Executive MHA and Executive MPH courses.
- To introduce Diploma/certificate courses for working class people in subjects to health care, biomedical instrumentation, Medical Documentation, etc.
- To start PG programmes in Speech and Hearing and Food and Nutrition
- To set up consultancy services in health care sectors.



MAHATMA GANDHI UNIVERSITY COLLEGES OF TEACHER EDUCATION

1.	Name of the Department	:	Mahatma Gandhi University Colleges of Teacher Education-Main Centre			
2.	Year of establishment	:	1992	1992		
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty	Yes, Faculty of Education		
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	Two Year B.Ed Degree Course			
5.	Interdisciplinary programmes and departments involved	:	Nil			
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Nil			
7.	Details of programmes discontinued, if any, with reasons	:	Nil			
8.	Examination System	:	Choice based credit system-Semester			
9.	Participation of the department in the courses offered by other departments	:	Nil			
				Sanctioned	Filled	
	Number of teaching posts, sanctioned, filled and actual		Principals	12	12	
10.	(Professors/Associate Professors/Asst. Professors/others)		Lecturers	92	91	
	2 2 O 2 O 3 O 4 O 4 O 5 O 5 O 5 O 5 O 5 O 5 O 5 O 5		Instructors	12	8	



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sl. No.	Name	Name Qualification I.UNIVERSITY COLLEGE O		Specialization	No. of Years of experi ence	No. of P.hD students guided for the last 6 years
	I.UNIVERSI	TY COLLEGE O	F TEACHER	EDUCATION, F	ELANTH	OOR
1.	Dr .Meera Raj	M.Sc, M, Ed UGC NET PhD in Education	Principal	Mathematics Education	21	0
2.	Dr. Lalamoni P.	M.Sc, M, Ed UGC NET M. Phil PhD in Education	Lecturer in Physical Science	Physical Science Education	21	0
3.	Smt. Annamma Philippose	M.A, (Eng) M.A (Soc) M, Ed UGC NET	Lecturer in English	English Education	23	0
4.	Sulochana R	M.Sc, M, Ed	Lecturer in Natural Science	Natural Science Education	20	0
5.	Dr. Saramma Joy T	M.A, M, Ed PhD	Lecturer in Hindi	Hindi Education	16	0
6.	Dr. Sreeraj K.G	M.Sc, M, Ed UGC NET	Lecturer in Mathematics	Mathematics Education	14	0
7.	Rajeevnath K.R	M.A M, Ed UGC NET , M. Phil	Lecturer in Malayalam	Malayalam Education	15	0
8.	Dr. Manju A	M.Sc, M, Ed, M. Phil PhD in Education	Lecturer in General Education	Physical Science Education	10	0
9.	Sulochana K	M.A, M, Ed UGC NET	Lecturer in Social Science	Social Science Education	6	0
10.	Renjith Rajappan	M.A, M, Ed UGC NET SET, CTET	Lecturer in General Education	Social Science Education	3	0



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11.	Santhi M.S	M.Sc, M.Ed	Lecturer in Nat. Science	Natural Science Education	5	0
12.	Jobie K. John	M. P. Ed	Lecturer in Physical Education	Physical Education	1	0
13.	Betty Benjamin	M.Com, M.Ed, NET	Lecturer in Commerce	Commerce Education		

II UNIVERSITY COLLEGE OF TEACHER EDUCATION, ERATTUPETTA

14	Smt. Jancy Lukose	M.Sc, M, Ed	Principal	Natural Science Education	23	0
15	Smt. Sameera K	M.A, M, Ed	Lecturer in General Education	Social Science Education	2	0
16	Smt Rajani Alex	M.A, M, Ed	Lecturer in General Education	Social Science Education	13	0
17	Smt Pausy V.A	M.A, M, Ed	Lecturer in Social Science	Social Science	2	0
18	Sri Siby Joseph	M. P. Ed	Lecturer in Physical Education	Physical Education	14	0
19	Smt Bhasura K.S	Tailoring Diploma in Craftsmanship	Instructor in SUPW	SUPW	10	0
20	Sheeja S	M.A, M, Ed	Lecturer in Malayalam	Malayalam Education	7	0
21	Dr. Rosilet Michale	M.Com ,M.Ed M. Phil P. hD	Lecturer in Commerce	Commerce Education	12	0
22	Sali A.P	M.A, M, Ed	Lecturer in Arabic	Arabic Education	2	0
23.	Sri Gopakumar A.P	M.Sc ,M.Ed UGC NET	Lecturer in Physical Science	Physical Science Education	11	0



	III UNIVERSITY O	COLLEGE OF TI	EACHER EDU	CATION, KAN	JIRAPPA	ALLY
24	Dr. Rajeena .A	M.Sc ,M.Ed P. hD	Principal	Science Education	14	0
25	Smt. Preeja K. Gopal	M.Sc ,M.Ed	Lecturer in Physical Science	Physical Science Education	10	0
26	Smt Fousy K.A/M	M.Sc ,M.Ed UGC NET	Lecturer in Mathematics	Mathematics Education	10	0
27	Smt. Deepa Kurian	M.A, M, Ed UGC NET	Lecturer in General Education	Social Science Education	7	0
28	Smt. Sindhu Sebastian	M.A, M, Ed	Lecturer in Social Science	Social Science Education	8	0
29	Sri Philip C.M	M.A, M, Ed	Lecturer in English	English Education	23	0
30	Prasanth Kumar	M. P. Ed UGC NET	Lecturer in Physical Education	Physical Education	2	0
	IV UNIVERSI	TY COLLEGE O	F TEACHER	EDUCATION, I	KUDAMA	ALOOR
31	Suja. P.Abraham	M.A, M, Ed M. Phil	Principal	Sanskrit Education	25	0
32	Dr. Sreekala. K.K	M.A, M, Ed PhD	Lecturer in Social Science	Social Science Education	18	0
33	Smt. Lilly George	M.A, M, Ed	Lecturer in Hindi	Hindi Education	16	0
34	Smt. Sindhu Sebastian	M.A, M, Ed M. Phil	Lecturer in Malayalam	Malayalam Education	2	0
35	Smt. Sheela Mathai	M.Sc, M, Ed UGC NET	Lecturer in Physical	Physical Science Education	15	0
			Science	Education		
36	Sri Rajesh P.P.	M.Sc, M, Ed. M, Phil	Lecturer in Natural Science	Natural Science Education	11	0



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38	Smt. Blossom R. Nair	M.A, M, Ed M. Phil UGC NET	Lecturer in General Education	General Education	21	0
39	Sri Arunlal R	M.P.Ed	Lecturer in Physical Education	Physical Education	1	0
40	Smt. Bindhu P.C	Diploma in Agriculture B. Sc Botany	Instructor in SUPW	SUPW	15	0
41.	Dr. Anila Anna Mani	M.Sc, M, Ed UGC NET PhD	Lecturer in Mathematics	Mathematics Education	15	0
	V UNIVER	RSITY COLLEGI	E OF TEACHI	ER EDUCATIO	N, KUMI	LY
42	Dr. Sosamma Varughese	M.Sc, M, Ed UGC NET PhD	Principal	Natural Science Education	21	0
43	Sri Shaji R.K	M.Sc, M, Ed UGC NET	Lecturer in Mathematics	Mathematics Education	21	0
44	Sri Sreekumar S	M.A M, Ed	Lecturer in Social Science	Social Science Education	9	0
45	Sri Jayan M.S	M.P.Ed, UGC NET M. Phil	Lecturer in Physical Education	Education	4	0
46.	Smt. Lincymol P	M.Sc, M, Ed	Lecturer in Physical Science	Physical Science Education	3	0
47.	Smt Preetha P.K	M.Sc, M, Ed UGC NET	Lecturer in Natural Science	Natural Science Education	3	0
48.	Bindhu V.K	M.Sc, M, Ed UGC NET	Lecturer in General Education	Science Education	1	0
	V I UNIVERSI	TY COLLEGE O	F TEACHER	EDUCATION,	THODUF	PUZHA
49	Dr. Omana T.P	M.A, M, Ed UGC NET PhD	Principal	Social Science Education	24	0
50	Smt. Shakkeela K	M.A, M, Ed	Lecturer in General Education	General Education	15	0
51	Bindu C.R	M.A, M, Ed UGC NET	Lecturer in Malayalam	Malayalam Education	9	0
52	Ravikumar K.V	M.Sc, M, Ed UGC NET	Lecturer in General	Natural Science	13	0
	I	/			l	<u> </u>



			Education	Education		
53	Sreejith K. Nair	M.Sc, M, Ed	Lecturer in Mathematics	Mathematics Education	13	0
54	Smt. Praseela P	M.Sc, M, Ed UGC NET	Lecturer in Physical Science	Physical Science Education	7	0
55.	Smt Shiji A.C	M.Sc, M, Ed UGC NET	Lecturer in Natural Science	Natural Science Education	10	0
56.	Thomas. N. Issac	M.P.Ed, M.Phil M.A	Lecturer in Physical Education	Physical Education	14	0
57	Aneesha Ismail	M.Sc, M, Ed UGC NET	Lecturer in General Education	Mathematics Education	4	0
	V II UNIVERSIT	Y COLLEGE OF	TEACHER E	DUCATION, M	IUVATTU	UPUZHA
58	Dr, Jayasree P.G	M.Sc, M, Ed UGC NET PhD	Principal	Mathematics Education	16	0
59	Smt Rosily M.P	M.Sc, M, Ed UGC NET	Lecturer in Natural Science	Natural Science Education	17	0
60	Girija M.S	M.A, M.Ed M.Phil	Lecturer in Malayalam	Malayalam Education	21	0
61	Smt. Minimol Sreedharan	M.Sc, M,Ed, M.A UGC NET	Lecturer in General Education	Mathematics Education	18	0
62	Smt. Minimol K	M.A, M.Ed UGC NET	Lecturer in General Education	English Education	20	0
63	Haseena Beegum	M.A, M.Ed	Lecturer in English	English Education	3	0
64	Mahin. K. Aliyar	M.A, M.Ed UGC NET	Lecturer in Social Science	Social Science Education	9	0
65	Smt Rajitha P.R	M.A, M.Ed	Lecturer in Hindi	Hindi Education	10	0
66	Dr Mohandas M.K	M.A, M.Ed P.hD	Lecturer in Sanskrit	Sanskrit Education	3	0
67.	Dr .Pramod K.G	M.P.Ed, M.Phil, PhD, UGC NET	Lecturer in Physical Education	Physical Education	1	0



	V III UNIVERSITY	Y COLLEGE OF	TEACHER E	DUCATION, PA	AIPPAD	
68.	Smt. Sheena Karim	M.A, M.Ed	Principal	Social Science Education	16	0
69.	Dr. Lali S	M.Sc, M. Ed PhD	Lecturer in General Education	General Education	17	0
70.	Smt Thara K.S	M.Sc, M. Ed UGC NET	Lecturer in Mathematics	Mathematics Education		
71.	Sri Sunny raj	M.A, M.Ed	Lecturer in Social Science	Social Science Education	12	0
72.	Smt Ajitha Kumary T	M.Sc, M.Ed UGC NET	Lecturer in General Education	General Education	12	0
73.	Smt Resmi K.S	M.Sc, M.Ed UGC NET	Lecturer in General Education	General Education	12	0
74.	Geetha Narayanan V	M.Sc, M.Ed	Lecturer in Natural Science	Natural Science Education	6	0
76.	Smt. Swapna Purushothaman	M.A, M.Ed	Lecturer in English	English Education	7	0
77.	Vijayan P.S	M.P.Ed	Lecturer in Physical Education	Physical Education	12	0
78	Subhash R	Diploma in Music	Instructor in Music	Music	10	0
79	Smt. Soudamol P.I	M.A, M.Ed	Lecturer in General Education	General Education	2	0
	IX UNIVERSITY	Y COLLEGE OF	TEACHER E	DUCATION, NI	EDUMKA	NDAM
80.	Dr. Anvar .K	M.A, M.Ed UGC NET Ph.D	Principal	Social Science Education	15	0
81.	Dr. Solly V.G	M.A, M.Sc, M.Ed, P. hD	Lecturer in General Education	General Education	15	0



82	Sri Roy Mathew	M.P.Ed	Lecturer in Physical Education	Physical Education	14	0
83	Smt. Renimol K.G	M.Sc, M.Ed UGC NET	Lecturer in Natural Science	Natural Science Education	8	0
84	Smt. Liya P	M.A, M.Ed	Lecturer in Social Science	Social Science Education	2	0
85	Smt. Bindhu R	Diploma in Civil Engineering	Instructor in SUPW	SUPW	15	0
86	Smt Geethumol P.K	M.A, M.Ed	Lecturer in Malayalam	Malayalam Education	3	0
87	Sri Suresh Babu G	M.A, M.Ed	Lecturer in General Education	General Education	2	0
88	Smt Sreelekha Menon	M.Sc, M.Ed UGC NET	Lecturer in Natural Science	Natural Science Education	15	0
					7 4 117 6 3 4	
	X UNIVERSIT	TY COLLEGE O	F TEACHER	EDUCATION, V	AIKOM	
89	X UNIVERSIT	M.A, M.Ed	F TEACHER	Social Science Education	15	0
89 90.				Social Science		
	Smt Sudha K.S	M.A, M.Ed M.Sc, M.Ed	Principal Lecturer in General	Social Science Education Science	15	0
90.	Smt Sudha K.S Dr. Sunil Job K.A Dr. Sreenivasan	M.A, M.Ed M.Sc, M.Ed UGC NET M.A, M.Ed	Principal Lecturer in General Education Lecturer in	Social Science Education Science Education Malayalam	15	0
90. 91.	Smt Sudha K.S Dr. Sunil Job K.A Dr. Sreenivasan K.K	M.A, M.Ed M.Sc, M.Ed UGC NET M.A, M.Ed PhD M.Sc, M.Ed UGC NET	Principal Lecturer in General Education Lecturer in Malayalam Lecturer in Natural	Social Science Education Science Education Malayalam Education Natural Science	15 20 2	0 0
90. 91. 92	Smt Sudha K.S Dr. Sunil Job K.A Dr. Sreenivasan K.K Dr, Manoj A.V	M.A, M.Ed M.Sc, M.Ed UGC NET M.A, M.Ed PhD M.Sc, M.Ed UGC NET PhD M.Sc, M.Ed UGC NET	Principal Lecturer in General Education Lecturer in Malayalam Lecturer in Natural Science Lecturer in Social	Social Science Education Science Education Malayalam Education Natural Science Education Social Science	15 20 2 15	0 0 0
90. 91. 92	Smt Sudha K.S Dr. Sunil Job K.A Dr. Sreenivasan K.K Dr, Manoj A.V Asha Mohanan	M.A, M.Ed M.Sc, M.Ed UGC NET M.A, M.Ed PhD M.Sc, M.Ed UGC NET PhD M.Sc, M.Ed UGC NET M.Phil M.Com, M.Ed UGC NET,	Principal Lecturer in General Education Lecturer in Malayalam Lecturer in Natural Science Lecturer in Social Science Lecturer in	Social Science Education Science Education Malayalam Education Natural Science Education Social Science Education Commerce	15 20 2 15	0 0 0 0
90. 91. 92 93	Smt Sudha K.S Dr. Sunil Job K.A Dr. Sreenivasan K.K Dr, Manoj A.V Asha Mohanan Dr. Rangyny K.R	M.A, M.Ed M.Sc, M.Ed UGC NET M.A, M.Ed PhD M.Sc, M.Ed UGC NET PhD M.Sc, M.Ed UGC NET M.Phil M.Com, M.Ed UGC NET, SET, JRF, PhD Diploma in	Principal Lecturer in General Education Lecturer in Malayalam Lecturer in Natural Science Lecturer in Social Science Lecturer in Commerce	Social Science Education Science Education Malayalam Education Natural Science Education Social Science Education Commerce Education	15 20 2 15 7	0 0 0 0



	XI UNIVERSITY (COLLEGE OF TE	EACHER EDU	CATION, TRIP	PUNITH	URA
97.	Smt Suja K.K	M.A, M.Ed	Principal	Social Science Education	18	0
98	Smt Resma P.R	M.A, M.Ed UGC NET	Lecturer in Natural Science	Natural Science Education	12	0
99	Smt.Sreeja S.Kaimal	M.Sc, M.Ed, NET	Lecturer in Physical Science	Physical Science Education	12	0
100	Smt Ganga P.S	M.Sc, M.Ed, NET	Lecturer in General Education	Mathematics Education	8	0
101	Smt Haripriya	M.A, M.Ed	Lecturer in Malayalam	Malayalam Education	2	0
102	Smt Rajani R	M.A, M.Ed, M.Phil	Lecturer in Sanskrit	Sanskrit Education	2	0
103	Sri Jayachandran	M.P.Ed	Lecturer in Physical Education	Physical Education	15	0
104	Rijosh George	M.Sc, M.Ed, NET	Lecturer in Mathematics	Mathematics Education		
	XII. UNIVERSITY	COLLEGE OF	ΓEACHER EI	DUCATION, TH	OTTAKI	KAD
105	Dr. Sreelatha Amma R	M.A, M.Ed, PhD	Principal	English Education	29	0
106	Smt Pearly Jacob	M.A, M.Ed ,UGC NET JRF	Lecturer in English	English Education	21	0
107	Sri Pradeep Kumar S	M.A, M.Ed	Lecturer in General Education	General Education	12	0
108	Sreekala V.M	M.Sc, M.Ed ,UGC NET, M, Phil	Lecturer in Natural Science	Natural Science Education	12	0
109	Babitha Merin John	M.Sc, M.Ed ,UGCNET	Lecturer in Physical Science	Physical Science Education	10	0
110.	Sinu K.R	Diploma in Music	Instructor in Music	Music	16	0



111	Bindhuraj K	M.A, M.Ed, M.Phil	Lecturer in Malayalam	Malayalam Education	12	0
112.	Sajeev C. Nair	M.P.Ed, M.Phil, P.G Diploma in Yoga	Lecturer in Physical Education	Physical Education	5	0

- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
- 13. Percentage of classes taken by temporary faculty programme-wise information: Nil
- 14. Programme-wise Student Teacher Ratio

B.Ed: 12:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

- 103

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

- Nil

- 17. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration b) International collaboration
 -Nil
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

- Nil

20. Research facility / centre with

- Nil

- 21. Special research laboratories sponsored by / created by industry or corporate bodies- Nil
- 22. Publications:
- 23. Details of patents and income generated : Nil
- 24. Areas of consultancy and income generated: NA
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :Nil
- 26. Faculty serving in



a) National committees b) International committees c) Editorial Boards d) any other (please specify) :

Sl. No	Publications	Total
1.	Refereed Journal Publications	05
2.	Monographs	Nil
3.	Conference Proceedings	Nil
4.	Chapters in Books	Nil
5.	Edited Books	Nil
6.	Books authored with ISBN	04
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
	Total	09

a). National committees:

Sl. No.	Name of the faculty	Committee
1	Dr. Anvar K, Principal, University College of Teacher Education, Nedumkandam	 Life Member, Council for Teacher Education (CTE), Joint Secretary in Kerala Chapter Life Member and Member of executive committee in Kerala Chapter, Indian Adult Education Association. (IAEA) Life Member, Member of executive committee in Kerala Chapter Commonwealth Council for Educational Administration and Management (CCEM) Life Member and Member of executive committee in Indian Association of Life Skill Education (IALSE) Life member of All India Association for Educational Research, (AIAER) Life member of Mental Health Action by People (MAP)
2.	Dr. Jayasree P, Principal, University College of Teacher Education, Muvattupuzha	 Life Member, Council for Teacher Education (CTE) Joint Secretary in Kerala Chapter.

b) International committees: Nil

c) Editorial Boards: Nil

d) Any other:

Sl	Name of the faculty	Committee
No.		
1	Dr. Jayasree P, Principal, University College of Teacher Education, Muvattupuzha	, and the second se
2	Dr. Sreelatha Amma R, Principal, University College of Teacher Education, Thottakkad	 Chairman of the Board of studies in Education, Mahatma Gandhi University



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Workshops:

 Workshop on Curriculum revision Organised by Board of Studies in Education, M.G University, May 4th -8th, 2015

Orientation programmes: Nil

28. Student projects:

- i. Percentage of students who have done in-house projects including inter- departmental projects: Nil
- ii. Percentage of students doing projects in collaboration with other universities / industry / institute: 100%
- 29. Awards / recognitions received at the national and international level by: Nil
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.: Nil
- 31. Code of ethics for research followed by the departments NA
- 32. Student profile programme-wise:

Name of the Course/	Applications		En	rolled	n
(refer question no. 4)	received	Selected	*M	*F	Pass percentage
2 year B.Ed Degree Course	8882	600	120	480	100

33. Diversity of students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2 year B.Ed Degree Course	98	2	0

34. How many students have cleared Civil Services and Defence Services examinations, NET,

SET, GATE and other competitive examinations? Give details category-wise.

NET: 22

SLET: 23



35. Student progression

Student progression	Against % enrolled
UG to PG	35%
PG to M. Phil.	Not applicable
PG to Ph.D.	Not applicable
Ph.D. to Post-Doctoral	Not applicable 40%
Employed	25%
 Campus selection 	40%
 Other than campus recruitment 	70 /0
Entrepreneurship/Self-employment	

36. Diversity of staff

Percentage of faculty w	ho are graduates
Of the same university	85%
From other universities within the state	12%
From universities from other State	03%
From Universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: 20

38. Present details of departmental infrastructural facilities with regard to

a)	Library	Yes, 61767
b)	Internet facilities for staff and	Provided
	students	
c)	Total number of class rooms	
d)	Class rooms with ICT facility	12 (One Smart Classroom in each college)
e)	Students' laboratories	36 (3 Laboratories in each college)
f)	Research laboratories	



39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university: Nil

b) from other institutions/universities: Nil

40. Number of students receiving financial assistance from college, university, government or other agencies.

During the current year, altogether in the 12 institutions 208 students from SC/ST/OEC Category are receiving financial assistance from Kerala Government.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

Yes, The potential of the programme is assessed through discussions with experts, members of the alumni, corporate executives etc.

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes .The expert advice and the suggestion of the faculty is always accepted. Frequent workshops and discussions are convened for the enrichment of the curriculum as well as teaching-learning-evaluation. Some of the faculty are members of the Board of Studies of Education .Most of the faculty participated in the new 2 year B.Ed curriculum revision. The colleges have an active feedback system. The action points identified are acted upon promptly. Feedback from teachers is elicited largely at staff council meetings.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. The feedback and suggestions on the curriculum and teaching-learning-evaluation can be communicated through university website.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes. The feedback is duly considered at the time of curriculum revision



43. List the distinguished alumni of the department (maximum 10):

Sl No.	Name	Current Position
1.	Sundaran Konadan	Assistant Manager, Life Insurance
		Corporation of India, Kalpetta
2.	Saju Varghese	Circle Inspector of Police, Pampady
3.	Shine	Deputy Director of Education, Govt of Kerala
4.	Arshad A	Circle Inspector of Police, Mullapperiyar
5.	Arun Zachariah	Ssst Director, IT department, Govt. of Kerala

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Student enrichment programmes such as special lectures, workshops and Seminars with external experts are conducted in various subjects

45. List the teaching methods adopted by the faculty for different programmes.

Computer assisted instruction, ICT Enabled teaching learning process project method heuristic method etc. Adopted to improve student learning

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Recurring monitoring, presentations of papers, written examination, participation in discussions, interventions during seminars

47. Highlight the participation of students and faculty in extension activities.

Expertise of faculty is benefitted by schools in the neighbourhood. Counselling and awareness classes are conducted to the benefit of PTA of neighbouring Schools. Study materials, uniforms and umbrella are given to the poor students of the locality. One day community living camp is organized and several awareness programmes on lifestyle diseases, communicable diseases, fire and safety, legal literacy first aid etc. are organized Social surveys on relevant issues are conducted in Tribal Colonies. Street plays, flash mobs etc. are also conducted.

48. Give details of "beyond syllabus scholarly activities" of the department.

- Nil

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

-Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The Publications of the faculty, faculty and student projects etc stands testimony to the academic contribution of UCTE.



51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTH

Experienced fully qualified faculty is the strength of the institution .Since the admission process is done following the community reservation norms of Government, under privileged students of the downtrodden society get chance for higher education .As social institutions, University Colleges of Teacher Education are receiving full support from local bodies for their infra structural developments.

Weakness

Lack of hostel facility and lack of institutional conveyance facility are the weakness which the institutions face.

Opportunities

The students who have completed B.Ed Course are well placed in India as well as abroad.

Challenges

Students have reluctance to join for B.Ed Programme due to the enhancement of the duration of the course from one year to two year. As school students are well equipped with computer skills, teacher trainees are to be more trained in the use of computer and other advanced technology.

52. Future plans of the department.

- To start M.Ed programme in its different centres.
- To enhance the infrastructural facilities in the institution.



SCHOOL OF COMMUNICATION AND JOURNALISM

1.	Name of the Department	:	School of Communication and Journalism
2.	Year of establishment	:	1995
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty of Social Science
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	:	MCJ programme, recently renamed as MAJMC (Master of Arts in Journalism and Mass Communication) as per UGC norms.
5.	Interdisciplinary programmes and departments involved	:	Involved in the major activities of other Departments
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	:	Nil
7.	Details of programmes discontinued, if any, with reasons	:	Nil
8.	Examination System	:	Semester, Choice Based Credit System Started from 2016 academic year onwards
9.	Participation of the department in the courses offered by other departments		Students are given ample opportunity to attend courses offered by other schools and centres as open courses
10.	Number of teaching posts, sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)		The Director and Teachers are working on contract basis as it is a self-financing programme. But appointments are on the basis of UGC norms. Director – Male (Contract) Lecturer – 1 female(Contract) Lecturer – 1 male (Contract) Lecturer – 1 male (Guest)



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

caperience and	Tescaren under gu	luance			No. of
Name	Qualification	Designation	-	No. of Years of Experience	Ph.D./ M.Phil. students guided for the last 6 years
Prof.Madavana Balakrishna Pillai	Appointed directly Proffessor and Director as an outstanding Scholar as per UGC norms. 23 years of Journalistic Experience LLM.	Director	Media Activities	21 years	
Dr. Ligimol P. Jacob	MCJ, PhD.	Lecturer	Cinema	17	
Gilbert A.R	MCJ,PGDPR	Lecturer	Public Relations	5	
Abhilash G	MCJ,NET	Lecturer	New Media	1	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Sl.No	Name	Visiting Fellows/Adjunct faculty/ Emeritus professors	Specialization
1.	K.JayaKumar, Vice-Chancellor, Malayalam University	Adjunct faculty	Literature and Film
2.	Dr. J.V Vilanilam, Former Vice- Chancellor, Kerala University	Adjunct faculty	Journalism- Communication
3.	Dr. K.V Nagaraj Pro-Vice Chancellor Assam Central Universities	Adjunct faculty	Media Theories
4.	Dr. Sucheta Nair, PVC, Sanskrit University, Kalady	Adjunct faculty	Media Theories
5.	Thomas Jacob, Editorial Director, Malayala Manoram	Adjunct faculty	Print Media



6.	C.P Rajasekaran, Former Director, Doordarshan.	Adjunct faculty	Television
7.	C. Siva Prasad, Film Director	Adjunct faculty	Film Making
8.	P.Raveendran, Former Director, All India Radio	Adjunct faculty	Radio

13. Percentage of classes taken by temporary faculty – programme-wise information:

Programme	Percentage
MCJ /MAJMC	20%

14. Programme-wise Student Teacher Ratio

MCJ 15:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled and actual
Technical		1
Administrative Staff		1

- 16. Research thrust areas as recognized by major funding agencies
 - Literature and Film
 - Journalism- Communication
 - Media Theories Print Media
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil
- 18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration b) International collaboration

Nil



19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

State recognition: Yes

National recognition: Yes

International recognition:No

21. Special research laboratories sponsored by / created by industry or corporate bodies- Nil

22. Publications:

Sl. No	Publications	Total
1.	Refereed Journal Publications	4
2.	Monographs	
3.	Conference Proceedings	2
4.	Chapters in Books	Nil
5.	Edited Books	10
		By Director
6.	Books authored with ISBN	8
		By Director
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	More than 10,000
		articles by Director

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Director is associated with Universities and Media Houses National level

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Sl. No.	Name of the faculty	Name of institution	
1.	Prof.Madavana Balakrishna Pillai	UGC NET, Various Universities, Colleges and Media Organisations	
2.	Dr. Ligimol P Jacob	2. Examinations of other Universities	
3.	Gilbert A.R	3. Examinations of other Universities	



26. Faculty serving in

a) National committees

Sl. No.	Name of the	Name of institution	
	faculty		
1.	Prof. Madavana	Associated with UGC-NET, CBSE, JEE, State-Central	
	Balakrishna Pillai	Universities all over India	

b) International committees

Sl. No.	Name of the	Name of institution	
	faculty		
1.	Prof. Madavana	Visited many Universities outside India including	
	Balakrishna Pillai	MIIT, Oxford, Cambridge	

c) Editorial Boards

Sl. No.	Name of the faculty	Name of institution
1.	Prof. Madavana Balakrishna Pillai	Deepika Daily, Mangalam Daily, Prathichaya Weekly, Vartha etc.

a) d) any other (please specify) Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Orientation programs, workshops and Training programs.

28. Student projects

Percentage of students who have done in-house projects including interdepartmental projects:

100% of MCJ Students are doing projects.

Percentage of students doing projects in collaboration with other universities / industry / institute:

Nil

29. Awards / recognitions received at the national and international level by

Faculty

Sl. No.	Name of the faculty	Details	
1.	Prof. Madavana	 Lions International Award for Journalism and 	
	Balakrishna Pillai	Public Services	
		 Bharat Gaurav National Award for Journalism 	
		and Social Work which was recently received in	
		NewDelhi	
		 Swadeshabhimani award 	
		 Annie Besant award 	
		Siva Ram award	
		Benjamin Bailey award	
		Bishop Vayalill award	
		G Smaraka award	
		 Pothen Joseph award, etc. 	

Doctoral / post doctoral fellows : Nil

Students

Sl. No.	Name of the students	Details
1	Ms. Cicy Jacob	Mathrubhumi- State Government Fellowship
2	Pinky Baby	Malayala Manorama- Consumer Award
3	Manu C Kumar	Manorama TV - Birla Media Award
4	Sameer Mohammed	Malayala Manorama- Sports award
5	P.J Jose	Mathrubhumi- Sports Award
6	Fousiya Mustafa	Mathrubhumi TV- State Media Award

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

SL.No	Seminars/ Conferences/Workshops	Source of funding	outstanding
			participants
1	Media Seminars	M.G University	Excellent
2	Ediotrs Meet	M.G University	Well attended
3	Reporters Meet	M.G University	Well attended
4.	Video Workshop cum Production	M.G University	Well attended
5.	Editing Workshop cum Vartha Publication	M.G University	Well attended
	Production		

State level Seminar and Workshop are conducting periodically with the assistance of the University.

31. Code of ethics for research followed by the departments:

As per UGC and other recognized norms, our students are trained in research methodology and thereafter they are assigned to prepare Dissertation Projects.

32. Student profile programme-wise: (2012-2015)

Name of the	Applications		Enrolled		
Course/programme (refer question no. 4)	received	Selected	*M	*F	Pass percentage
MCJ –(2012-2013)	153	35	13	22	100%
MCJ –(2013-2014)	130	35	12	23	100%
MCJ-(2014-2015)	118	35	11	24	100%
MCJ- (2015-2016)	163	30	4	26	



Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MCJ	45%	63%	2%	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET,

SET, GATE and other competitive examinations? Give details category-wise.

Period2010-15

Sl.No	NET/ JRF Qualified	GATE	SET	Others
1.	average 5 candidates every		about 10 students per year	

35. Student progression

Student progression	Percentage against enrolled
PG to M.Phil.	5%
PG to Ph.D.	15%
Ph.D. to Post-Doctoral	Nill
Employed	
Campus selection	30%
Other than campus recruitment	70%
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates of the same university	50%
from other universities within the State	50%
from universities from other States	Nil
from universities outside the country	Nil

Mahatma Gandhi University

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: One

Sl. No.	Name of the faculty	Details
1	Dr. Ligimol P Jacob	PhD from University of Mysore.

38. Present details of departmental infrastructural facilities with regard to

a) Library	1113 Books
b) Internet facilities for staff and students	Yes
c) Total number of class rooms	2
d) Class rooms with ICT facility	Yes
e) Students' laboratories	1
f) Research laboratories	Nil

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university: Nil

b) from other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university:

SC/ST, Single girl child Scheme financial assistance from the Governments

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, The potential of the programme is assessed through discussions with experts, members of the alumni, corporate executives etc.



42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	Yes, Making the Teaching methodology up to date.
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	Feedback from the students.
c) Alumni and employers on the programmes offered and how does the department utilize the feedback?	Feedback from the Alumni and employers (Media houses).

43. List the distinguished alumni of the department (maximum 10)

Sl No.	Name	Current Position
1.	Dr. Priyamol	IIS
2.	T G Biju	Times of India
3.	Biju Govind	The Hindu
4.	Soyesh H	The Hindu
5.	Prasanth Menon	Times of India
6.	Shailesh Viswanath Menon	Times of India
7.	Anto T	Times of India
8.	Nishad VH	India Today
9.	Shameer KK	Malayala Manorama
10.	Jose PJ	Mathrubhumi

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Regularly we are engaging the students with Experts from Newspapers, Radio, Television, Public Relations and other branches of knowledge.
- Students regularly attended special lectures invited by different schools and centres.

45. List the teaching methods adopted by the faculty for different programmes:

By using Camera, Video Camera, Power Point Slide shows, Newspapers, Photographs, Films etc.

.



46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The students of the School are the most sought after budding journalists for the media. Our students are enrolled in Indian Information Service (IIS), Public Relation activities of various organizations, Content writers of MNCs, Faculty members of Universities, Colleges and Higher Secondary Schools etc.

47. Highlight the participation of students and faculty in extension activities.

By participating in media seminars, involving in media and social service activities etc.

48. Give details of "beyond syllabus scholarly activities" of the department:

Writing Articles, Participating Programmes in Television and Radio, Producing Magazines and Documentary Films.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Yes, Other Universities and media organisations both in private and public sectors.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

As mentioned students of our school dominate in media activities inside and outside India. Almost all newspapers and channels are dominated by our students.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strengths:

- 1. The curriculum is designed as practical oriented.
- 2. Very good employment prospects to the students in most of the media and allied organisations.
- 3. Almost all faculty members of Journalism of various universities, colleges, higher secondary schools are dominated by students of the School.
- 4. Excellent results in competitive examinations like UGC-NET, SET, IIS etc.

Weaknesses

- 1. Frequent changes in the nomenclature of the department as –SCIS, SCJ, DCJ, and again SCJ.
- 2. The name of the programme also changed several times as- MJC, MCJ, and now MAJMC.
- 3. As in the self-financing stream, faculty members are given less remuneration.
- 4. Lack of sufficient space is not available for student's activities, retiring room, studio etc.



Opportunities

1. The School can be converted into one of the best in the country if more physical infrastructure and reasonable remuneration are provided.

Challenges

1. To equip the students with the most modern needs of the news mongering society.

52. Future plans of the department.

• The construction of the Academia Convergence Complex at the campus where the school will be given 6000 sq.ft space is progressing. After shifting to the new premises, the school can start new UG programmes and install new technological tools for making the department more active.

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

1.	Name of the Department	:	Department of	Library and I	nformation	Science
2.	Year of establishment	:	1995	1995		
3.	Is the Department part of a School/Faculty of the University?	:	Yes, Faculty	Yes, Faculty of Social Science		
4.	Names of Programmes offered (UG, PG, M Phil, Ph.D., Integrated Masters; Integrated Ph.D., DSc., D.Litt., etc)	••	UG (BLISc), PG (MLISc)			
5.	Interdisciplinary programmes and departments involved	:	Nil			
6.	Courses in collaboration with other universities, industries, foreign institutions, etc	••	Nil			
7.	Details of programmes discontinued, if any, with reasons	••	Nil			
8.	Examination System	:	Semester (Choice based Credit System)			
9.	Participation of the department in the courses offered by other departments	:	Nil			
				Sanctioned	Filled	Actual(including CAS & MPS)
	Number of teaching posts,		Professor	1	1	5
10.	sanctioned, filled and actual (Professors/Associate		Associate Professors	3	3	2
10.	Professors/Asst. Professors/others)		Asst. Professors	9	9	6
			Others Lecturer	Contract Faculty-5	Contract Faculty-	NA



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 6 years
Ms. Kavitha Chandran	MLISc., JRF/NET, BLISc, BSc	HOD in charge and Lecturer	Library Classification	5 Years	-
Mrs. Vidya T	MLISc, BLISc, MCom.,	Lecturer	Library Cataloguing	5 years	-
Mr. Anish I	MLISc, PGDLAN, B.Ed.,	II ecturer	Library Management	5 Years	-
Mrs. Ushakumari M C	MLISc, PGDLAN, BLISc, MSc, B.Ed.	Lecturer	Information Knowledge and Communication	2 Years	-

- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : Nil
- 13. Percentage of classes taken by temporary faculty programme-wise information: Contract basis-100%
- 14. Programme-wise Student Teacher Ratio

BLIScMLISc: 12: 1: 7: 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled and actual
Technical	Nil	Nil
Administrative Staff	Nil	2

16. Research thrust areas as recognized by major funding agencies:

Nil

- 17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.
- 18. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration b) International collaboration: Nil



19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with: Nil

State recognition

National recognition

International recognition

- 20. Special research laboratories sponsored by / created by industry or corporate bodies- Nil
- 21. Special research laboratories sponsored by / created by industry or corporate bodies- Nil

22. Publication:

Sl. No	Publications	Total
1.	Refereed Journal Publications	4
2.	Monographs	Nil
3.	Conference Proceedings	4
4.	Chapters in Books	Nil
5.	Edited Books	Nil
6.	Books authored with ISBN	Nil
7.	Books authored without ISBN	Nil
8.	Articles in popular publications	Nil
	Total	8

- 23. Details of patents and income generated : Nil
- 24. Areas of consultancy and income generated: NA
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil
- 26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other: Nil



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- Provided opportunities for those who wish to attend orientation/refresher courses on basic and advanced pedagogy.
- Arranged programmes in the department on e-learning.
- Organized research colloquium for the faculty thus enhancing the process of peer learning.
- Purchase new books, journals and e-resources for the department library to ensure a climate conducive to advanced learning.
- Created more avenues for faculty members to visit universities abroad by entering into faculty exchange programmes with such universities.
- Motivate teachers to acquire higher/additional qualifications such as PhD, diploma and certificate programs for empowering them with knowledge and wisdom.
- Provides infrastructural and secretarial assistance to teachers taking up research projects of various agencies.
- Accelerate the IRG (Institutional Revenue Generation) for supporting the mini research projects of the faculty.
- Support the faculty to publish their research reports and articles.
- Further, with a view to motivating the faculty for better performance, the department recognizes meritorious faculty as per the following criteria: 1) Teaching-Learning & Evaluation, 2) Research, Consultancy & Extension, 3) Student Support & Progression.

28. Student projects

Percentage of students who have done in-house projects including inter-departmental projects-100%

Percentage of students doing projects in collaboration with other universities / industry / institute

Nil

29. Awards / recognitions received at the national and international level by

Faculty: Nil

Doctoral / post-doctoral fellows: Nil

Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. : Nil

31. Code of ethics for research followed by the departments: Nil



32. Student profile programme-wise:

Name of the	Applications	Selected	Enr	olled	Pass
Course/Programm	Received		M	F	Percentage
e					
BLISc 2010-11	44	42	10	32	73%
2011- 12	73	46	10	36	80%
2012-13	50	47	17	30	63%
2013-14	46	46	11	35	62%
2014-15	50	32	11	21	55%
MLISc 2010-11	26	24	7	17	100%
2011-12	30	26	6	20	90%
2012-13	28	23	8	15	100%
2013-14	15	15	3	15	100%
2014-15	31	22	7	15	100%

33. Diversity of students:

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BLISc				
2012	41	6	Nil	Nil
2013	47	1	1	Nil
. 2014	29	3	Nil .	nil
. 2015	40	6	1 .	Nil
. 2016 .	48 .	1 .	Nil .	Nil

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MLISc				
2012	23	Nil	Nil	Nil
2013	15	Nil	Nil	Nil
2014	28	Nil	1	Nil
2015	14	Nil	Nil	Nil
2016	18	Nil	1	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET,

SET, GATE and other competitive examinations? Give details category-wise.

• Civil services/defense: Nil

• NET-

• GATE- Nil

• SET- Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	50%
PG to M.Phil.	5%
PG to Ph.D.	30%
Ph.D. to Post-Doctoral	
Employed	
Campus selection	Nil
Other than campus recruitment Entrepreneurs	95

36. Diversity of staff

Percentage of faculty who are graduates			
Of the same university	100		
From other universities within the State	Nil		
From universities from other States	Nil		
From universities outside the country	Nil		



37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library Books purchased during the period : 3406

b) Internet facilities for staff and students : Nil

c) Total number of class rooms : 2

d) Class rooms with ICT facility : Nil

e) Students' laboratories : 1 Computer Lab

f) Research laboratories : Nil

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university
- b) from other institutions/universities Nil
- 40. Number of post graduate students getting financial assistance from the university. Nil
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. : Nil
- 42. Does the department obtain feedback from
 - a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, the Department takes feedback from the faculty and utilizes it as the following ways

- (a) Monitoring the advanced learners and give guidance to perform better in their academic activities
- (b) Motivate extracurricular activities
- (c) Motivate to participate in Quiz programmes, Debates etc.
- (d) Giving guidance to prepare for National Eligibility Test and other competitive exams.
- (e) Find out slow learners and counseling them

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. On completion of every course a course feedback is taken and the same is analyzed and any points to be considered are taken for immediate implementation

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

The feedback given by alumni and stake holders is the basic matrix for identifying short fails in curricular content and reinforcements needed therein. Feedback from alumni are regularly collected and due importance is given to their suggestions.

43. List the distinguished alumni of the department (maximum 10)

Sl No. Name		Current Position	
1.	Santhosh K N	Assistant Professor, St. Peters College,	
		Kolencherry	
2.	Ajesh E S	Assistant Librarian, Marian International	
		Institute of Management	
3.	Gayathri Mohan	Library Assistant VSSC, Thiruvanathapuram	
4.	Pooja Lakshmi K K	Pushpagiri Institute of Medical Sciences &	
		Research Centre, Thiruvalla	

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Talk on Skill Set for LIS Professionals by K.P Vijayakumar, Former Associate Professor and Head, DLIS and Hon. Director, Centre for Information Literacy Studies, University of Kerala.

45. List the teaching methods adopted by the faculty for different programmes.

Lecturers

Project Work

Study Tour

Computer labs

Seminars

Assignments

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Through effective monitoring:

Timely conduct of internal evaluation also ensures assessment of learning outcome.

- 47. Highlight the participation of students and faculty in extension activities. : Nil
- 48. Give details of "beyond syllabus scholarly activities" of the department. : Nil
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. Nil



50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The specific contributions included generation of new knowledge in the area of Library Science and information

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTH

- Competent and committed faculty.
- Strong contingent of highly placed alumni in various fields at the regional, national and international levels.
- Attention to slow and advanced learners.
- Buddy system for mentoring and peer learning.
- Integration of differently- abled students with the mainstream students.
- Close teacher-student relationship.

WEAKNESS

- Lack of adequate infrastructure facilities.
- Lack of adequate number of computers.
- Many students have poor command over English language.

OPPORTUNITIES

- With the introduction of new syllabus, greater scope for collaborative engagements with community, industry, and organizations of empowerment and good governance.
- New research trends in Library and Information Science.
- Formation of Community Library.
- Information Communication Technology Applications in Libraries.
- To carry out advanced student research projects (UG /PG) in Library and Information Science.
- To familiarize with recent trends and developments in the field of Library and Information science.
- To interact with reputed Information scientists.
- To establish student/faculty exchange programmes.

52. Future plans of the department.

- The Department is planning the introduction of the following programmes during the next five years:
 - ✓ M Phil (Regular Course)
 - ✓ Post Graduate Diploma in Library Automation and Networking (Regular Course).
 - ✓ B.L.I.Sc. Evening Course
- Refresher Courses for LIS Professionals.
- To conduct national and inter-national seminars, workshops etc.,



MAHATMA GANDHI UNIVERSITY

Annexure II

QUESTIONNAIRETRACK ID: KAUNGN 10096

Submitted to National Assessment and Accreditation Councilfor Re-accreditation



QUESTIONNAIRE

TRACK ID: KAUNGN 10096





Questionnaire

1.	Percentage of courses where major syllabus restructuring was carried out during last 3 years	100% in the Schools and Centres of the University
2.	Temporal Plan in more than 50% of programmes (CBCS/Semester/Annual)	CBCS in all Schools/Centres Semester System – 95% Annual System – 5%
3.	 (i) Percentage of teachers with Ph.D. qualification for General Courses (ii) Percentage of teachers with PG qualification for Professional courses (For ex. MD/DM for medicine and ME/MS for engineering) 	87.64% 100%
4.	Student Computer ratio	1: 0.55
5.	The number of departments with UGC / SAP / CAS/ DST/ FIST etc, in University	16
6.	No. of Post Doctoral Fellows/ Research associates working (i) Locals (ii) Outsiders	36 29 7
7.	No. of ongoing research projects per teacher	0.65 per teacher
8.	No. of completed research projects per teacher (Funded by National/International Agencies)	1.08 per teacher
9.	Coordinated/Collaborative projects (National and International)	National – 25 International - 14
10.	National recognitions for faculty for Teaching / Research / Consultancy/ Extension (by reputed / recognised bodies)	 16 awards/recognitions for teachers 97 research awards/ recognition 10 recognitions for extension 12 consultancy programmes
11.	No .of Patents (last 5 Years)	Patents filed – 7 Patents granted - 7
12.	Output of M. Phil & Ph.D Per faculty	3 Ph.Ds per faculty 3 M.Phils per faculty
13.	Revenue generated from consultancy per year	Rs. 8.60 lakhs per year
14.	Number of MoUs with international recognized bodies	46



15.	- Publications per faculty	18.24 per faculty
	- Total number of publications of the University	1624
	- Percentage of papers published in Journals listed in well known	700/
	international databases	70%
16.	Average impact factor of publications	1.77
17.	Number of papers with more than 10 citations	754
18.	Number of book titles per student	• 40.89 books per student (Central
	(in the central library) excluding book	Library)
	bank	• 108 books per student (including libraries in Schools/ Centres)
19.	Percentage of annual allocation for library	23.05 %
	spent on purchase of journals (national &international) and other	
	Library resources (CDs, Cassettes, etc.)	
20	No. of national/international conferences /	Total no. of national/international
	workshops organised per department per	conferences -148 (0.77 per dept.
	year and names	per year)
	of experts participated	• Total no. of workshops – 207 (1.08
		per dept. per year) (Details attached as Appendix I)
21.	Student performance in national/	• UGC /CSIR/ NET – 249
	international level exams	• GATE – 38
	(eg: ET/SLET/GATE/GMAT/CAT,GRE/	• SLET/SET-55
	TOFEL, Civil Services)	
22.	Student Teacher Ratio (average across all disciplines)	15.68:1
23.	University has the following:	
	• IQAC	Yes
	Accreditation by national body	Yes
	International accreditation/ISO Contification	No
	CertificationAcademic Administrative Audit (AAA)	Yes
24.	Outstanding Achievements/	Achievements by Faculty- 222
r.	Recognition by faculty/alumni both at	Achievements by Faculty- 222 Achievements by Students- 89
	national and international level	(Details attached – Appendix II)
	Outstanding performance of students in	Arjuna Awardees-2
25.	sports/cultural activities at national level	Olympians-4
		Asian Games Athletes-3
		International Sports Persons-16 Participation at World University
		Championship-7
		Renji Trophy Players-4
		Achievements in Interuniversity



		Championships-37 Best NSS Volunteer Award at National Level-2 (Details attached) Appendix III
26.	Feedback received from different	
	stakeholders on syllabi etc.	
	• Students	Yes
	Alumni	Yes
	 Parents 	Yes
	 Employers 	Yes
	• Peers	Yes
27.	Percentages of recommendations of the stakeholders implemented	70%
28.	Number of interdisciplinary course combinations introduced during last five years as percentage of total programmes	16 Programmes (9%)
29.	Percentage of Departments conducting tutorial classes	60%
30.	Number of courses, where continuous assessment of student performances is structured into the system	All courses (182)
31.	Percentage of faculty availing international fellowship for advance studies	30%
32.	Percentage of courses/programmes that formally integrate e-learning resources from National Programmed Teaching Enhanced Learning (NPTEL)Digital library retrieval	NPTEL site has been linked with the website of the University and the resources are used by the academia.
33.	Percentage of annual budget allocated for augmentation of infrastructure facilities (average of last 3 years)	26%
34.	Total number of class rooms, seminar halls with LCD/OHP etc.	68
35.	Declaration of results within 15 days 1 month 2months	2 months
36.	Average pass percentage of students	PG & M.Phil – 97 % Ph.D – 99%
37.	Average Student Placement Percentage per year	60%
38.	Percentage of student progression to higher education	UG to PG – 20% PG to M.Phil – 25% PG to Ph.D – 55% Ph.D to Post Doctoral – 7%



39.	Average drop-out percentage of students	1-2%
40.	Unit cost of Education (excluding salary)	Rs.1792.94
41.	Aggregate percentage of seats filled against seats reserved for various categories as per applicable reservation policy	82.72%
42.	No. of differently abled persons on roll: Teaching/NonTeaching/ Students	Teaching – 3 Non Teaching – 29 Students – 10 Mentally Challenged persons in vocational rehabilitation centre- 30
43.	Percentage representation of staff (Teaching/ Non Teaching) in decision making bodies	90%
44.	Percentage of autonomous colleges to the total number of colleges	3.83 %
45.	Percentage of teachers from other states	3%
46.	Donations received for institution of Chairs, endowments, seminars, and lecture series in crores of INR in last 5 years.	Funds received for Erudite Lecture series – Rs.1.35 Crores
47.	Contribution of Alumni /parents (average of last 5 years) for development of university in Lakhs	Rs 1.65 Lakhs per year
48.	Percentage of Female Students	72.15%
49.	Number of programmes attended/ Organised for professional development of staff per year	190 per year
50.	Projection of successful innovative practices	(Details attached – Appendix IV



Priyadarshini Hills P.O., Kottayam, Kerala, India - 686 560. Tel: 91-481-2731001. Fax: 91-481-2731002. E-mail: vc@mgu.ac.in www.mgu.ac.in

Statement of Compliance

(Central and State Universities)

This is to certify that Mahatma Gandhi University, Priyadarsini Hills P.O., Kottayam, Kerala has complied with all the provisions of the following Regulations governing it:

- UGC Regulations on Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2010 and further amendments, if any, notified by the UGC.
- UGC Regulation on Minimum Standards and Procedure for the Award of M.Phil /Ph.D Degree, Regulations 2009 and further amendments, if any, notified by the UGC.
- UGC (Affiliation of Colleges by Universities) Regulations, 2012 and further amendments, if any notified by the UGC.

Any false or misleading information provided by the institution, will be viewed seriously by NAAC and the accreditation given is liable to be withdrawn.

Name and Signature with seal

of the Vice- Chancellor

DR. BABU SEBASTIAN
VICE-CHANCELLOR
MAHATMA GANDHI UNIVERSITY
KOTTAYAM-686 560

Date: 08.05.2017

APPENDICES



Appendix I (Question-20)

	Number of national/international conferences organized per department per year Total-148			
Sl. No	Seminar/Conferences	Funding agency	Outstanding Participants	
Scho	ol of Behavioural Sciences			
1.	International Conference on Research Methodology and Scientific Writing. 20-22, December, 2013. (Convenor – Mr. Rajesh)	Confederation of Epidemiological Associations	Dr. Indrajith Banerjee Dr. Padam Simkada Dr. Brijesh Sathian Dr Gamini Premadasa Dr Nishida Chandrasekharan	
2.	National Conference on Models of Best Practice in Empowerment of Persons with Disabilities. 16-17, October 2015. (Convenor – Dr. P. T. Baburaj)	National Institute for the Empowerment of Persons with Multiple Disabilities, Chennai.	Dr. Himanshu Das Dr. Rajesh Ramachandran Dr. Jayaraj N. Dr. Neeraja Dr. Dr. K. Balabhaskar	
3.	National Seminar on Management of Learning Disabilities. 22.03.2011. (Convenor – Mr. Rajesh E.)	M G University	Dr. Sany Varghese Dr. V. V. Joseph	
4.	Seminar on National Trust Act, 1999 and Legal Guardian ship for the parents of individuals with Autism Cerebral palsy mental retardation and multiple disabilities, 15.12.2014(Convener Dr. P. S. Sukumaran)	M G University	Sri.Ajithkumar,IAS Sri.Sureshkumar Sri.PB.George Sri.Mohandas	
5.	National Conference on Models of Best Practice in Empowerment of Persons with Disabilities. !6-17, October 2015. (Convenor – Dr. P. T. Baburaj)	National Institute for the Empowerment of Persons with Multiple Disabilities, Chennai.	Dr. Himanshu Das Dr. Rajesh Ramachandran Dr. Jayaraj N. Dr. Neeraja Dr. Dr. K. Balabhaskar	
6.	One day Seminar on "Inclusion Matters: Access and Empowerment of People with all Disabilities". 03.12.2015 (IUCDS). (Convenor – Dr. P. T. Baburaj)	M G University	Mr. Anish Mohan Mr. Mathew Kanamala	



		School of Bio Sciences	
7.	Two day seminar on "Prevention & management of lifestyle diseases" jointly organized with School of Biosciences & Department of student services (DSS) of M.G.University on 17 th & 18 th March, 2016	DSS –M.G University	Dr Thomas Varghese Oncology Surgeon, Lakeshore Hospital Dr Vidhyadharan DMO, Kottayam Medical College
8.	One day seminar "Cyber Space & Social Responsibility" jointly organized with School of Biosciences & PTA School of Biosciences on 28th December 2015	PTA School of Biosciences	Sri Ajith. DYSP, Kottayam Dr Sunil Cyber Forensic Lab Thiruvananthapuram
9.	Seminar on "Social Responsibility in Animal Birth Control" jointly organized with School of Biosciences &Indian Veterinary Association-Kerala in connection with World Spay Day on18th February 2016	M.G.University	Dr K J Kishore Kumar Vet. Surgeon, Animal Birth Control Division Vet. Public Health Centre, Cochin
10.	Seminar on recent trends in medical molecular biology 03/07/2015.	M.G University	Dr.Uma Shankar and Dr.Keith Davis. Department of Anatomy and cell biology. Indiana University School of medicine
11.	Seminar on Recent Trends in Medical Molecular Biology 03/07/2015 Delivered Talk By Uma Shankar and Dr.Keith	M.G University	
12.	State level seminar on "Stem Cell Therapy and Cancer" jointly organized by Post Graduate Department of Biotechnology SASSNDP YOGAM College Konni and School of Biosciences M.G University on 14th February 2014.CO- CONVENOR Dr.Keerthi.T.R	M.G University	
13.	Institutional level two day seminar on "Prevention & management of lifestyle diseases" jointly organized with School of Biosciences & Department of student services (DSS) of M.G.University on 17 th & 18 th March, 2016.Convenor-Dr.M.S.Latha	M.G University	
14.	Seminar on "Cyber Space & Social Responsibility" jointly organized with School of Biosciences & PTA School of Biosciences on 28 th December 2015	M.G University	



15.	Seminar on "Social responsibility in animal birth control" jointly organized with School of Biosciences &Indian Veterinary Association-Kerala in connection with World Spay Day on18th February 2016	M.G University	
	Sch	nool of Computer Sciences	
16.	National Conference on "Computing and Communication" (NCCC 2011) May 26-27, 2011	M.G.University	Prof. (Dr.) S.K. Sinha, CEDT, Indian Institute of Science, Bangalore Prof. (Dr.) Paulose Jacob, , Cochin university of Science and Technology, Kerala
17.	Computing Paradigms and Bio- informatics (CPBI 2012) January, 2012	M.G.University	Mr. Mahesh C., FISAT, Angamaly. Prof. (Dr.) Achuth Sankar S. Nair, University of Kerala
18.	National E-conference organized by Amal Jyothi College of Engineering and Technology from 28.01.2016to 30.01.2016.	KSCSTE in association with ISTE Kerala Section	Dr.Mukta Atrey, IIT Mumbai
19.	National Seminar on Computing and Communication at School of Computer Sciences, December 2013	M.G.University	Dr. K.P. Soman, Amrita Vishwa Vidyapeetham, Coimbatore Sri. Krishnan Chittoor, S/W Developer, Microsoft India
20.	Seminar on "Systems Programming" on 21.07.2014.	M.G.University	Dr Manjaiah, Professor, Dept. Of Studies and Research in Computer Science, Mangalore University
21.	"Steps 2 Research" at School of Computer Sciences during 19 th - 20 th Sept 2014.	M.G.University	Prof Dr.Sabu Thomas, Director, IIUCNN, M.G. University
22.	International Seminar on "Talking Like Humans" on 6 th December, 2014.	M.G.University	Christy Alias, Ph.D Scholar, Trinity College, Dublin, Ireland
23.	Seminar on "Image Processing Technologies for Defence Applications" by on 4.12.2015.	M.G.University	Dr. Lekshmi S, Scientist , National Physical and Oceanographic Laboratory (NPOL)
24.	Seminar on "Cyber Crimes", Mr. E.S. Bijumon, DYSP, Cyber Cell, Trivandrum, December 17, 2010.		
25.	The national level seminar by Ms. Easwari PV, Senior consultant, Siemens Information Systems Limited, Bangalore, Dr. Achuth Sankar S Nair, Hon. Director, Centre for Bio-Informatics, Dr. K S M Panicker, Dean, FISAT in December 2011.		

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26.	Seminar on "Best Programming Practices", January 20, 2011.	M.G.University	Dr. Ashish Mahabal, California Institute of Technology (Caltech) USA
27.	National Conference on "Computing and Communication (NCCC 2011)", School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, May 26-27, 2011.	M.G.University	Prof. (Dr.) S.K. Sinha, CEDT, Indian Institute of Science, Bangalore. Prof. (Dr.) Achuth Sankar S. Nair, University of Kerala.
28.	The national level seminar - December 2011.	M.G.University	Ms. Easwari PV, Information Systems Limited, Bangalore, D. Achuth Sankar S Nair, FISAT
29.	Conference on "Computing Paradigms and Bio-informatics" (CPBI 2012), January, 2012.	M.G.University	Prof. (Dr.) Achuth Sankar S. Nair, University of Kerala. Mahesh C., FISAT, Angamaly. Dr. Radhakrishnan E K, Mahatma Gandhi University.
30.	Seminar on "Computational Intelligence, Robotics and Autonomous Systems", January 3rd, 2012.	M.G.University	Dr. Prahlad Vadakkeppat, National University of Singapore
31.	Seminar on "Research Topics for M Tech Dissertation" at School of Computer Sciences by Dr Madhu S Nair, Asst.Professor, Dept. of Computer Science, University of Kerala on 18.09.2014.	M.G.University	
32.	National level technical talk on "NP Complete Problems and High Performance Computing" as part of Interface2012 in Dec, 2012.	M.G.University	Mr. Mahesh, FISAT, Cochin.
33.	The National E-seminar "Steps2Research" at School of Computer Sciences (nodal centre) during 19-20 Sept 2014.	M.G.University	Prof.Dr.D.B. Phatak,IIT Bombay Prof.Dr. Kannan Moudgalya,IIT Bombay Mr.Vijayaraghavan(Former CEO Techno Park ,Member- State Planning Board Kerala Dr.Sahana Murthy, IIT Bombay
34.	International Seminar on "Talking Like Humans" 6 th December 2014.	M.G.University	Christy Alias, Ph.D Scholar, Trinity College, Dublin, Ireland.
35.	Seminar on "Image Processing Technologies for Defence Applications" on 4.12.2015.	M.G.University	Dr. Lekshmi S, Scientist , NPOL



36.	Seminar on "Research Topics for M Tech Dissertation" at School of Computer Sciences by Dr Madhu S Nair, Asst.Professor, Dept. of Computer Science, University of Kerala on 18.09.2014.	M.G.University	
37.	National Conference on Research in Emerging Areas (NACORE 2016), a National e-conference during 28.01.2016to 30.01.2016.	M.G.University	
38.	Seminar on "Remoteness Function on Median Graphs", 2nd Dec 2016, by Dr. Ajitha R. S., Post Doctoral Fellow, University of Kerala.	M.G.University	
Schoo	l of Environmental Sciences		
39.	LAKE-2012, National Conference on Conservation and Management of Wetland Ecosystems conducted at School of Environmental Sciences, MG University, Kottayam during November 6-8, 2012.	DST, KSCSTE, MG University, Kerala state Biodiversity Board	Dr.T.V.Ramachandra, Indian Institute of Science, Bangalore; Dr. Subash Chandran, Indian Institute of Science, Bangalore; Dr Ligi Philip, Indian Institute of Technology,Madras, Dr.V.N.Rajasekaran Pillai, Executive Vice-President, KSCSTE, Thiruvananthapuram
40.	International conference on Advanced Oxidation Processes (AOP2012) Oct.5-8, 2012, Kottayam	BRNS, KSCSTE, DRDO, ISRO	Adriana Zaleska, Gdansk University of Technology, Poland Bahneman Detlef, Gottfried Wilhelm Leibniz Universitaet Hannover, GERMANYChantal Houee Levin, LCP, Orsay Cedex Choi Wonyong, Pohang University of Science and Technology (POSTECH), South Korea Christophe Colbeau-Justin, Université Paris-Sud, France
41.	National Seminar on Sustainable Development, conducted at School of Environmental Sciences, MG University, Kottayam 2012.	MG University	Dr.T.V.Ramachandra, Indian Institute of Science, Bangalore Dr. Shibu K. Mani , Tata Institute of Social Science , Mumbai Dr. Sulthan AhmedIsmail , EcoScience, Chennai
42.	National Conference on Heavy Metals in the Environment' November 28-29, 2013, School of Environmental Sciences, MGU.	DoECC, MG University	Dr. MNV Prasad, Hyderabad University Dr. Nandita Singh, NBGRI, Lucknow Dr. Dinesh Mohan, JNU Dr.V.Subramaniyan, JNU



43.	International Conference on Frontiers of Mass Spectrometry- ICMS 2013 September 6-9, 2013	BRNS, ISRO, DRDO, DST	R. Srinivas, National Centre for Mass Spectrometry, Hyderabad, India Olivier Laprevote, Paris Descartes University, France S. K. Raza, Institute of Pesticide Formulation Technology, India Gopal Vaidyanathan, Waters India Pvt. Ltd., India Venkateswarlu Panchagnula, National Chemical Laboratory (CSIR – NCL), Pune
44.	National Conference heavy Metals in the Environment' during November 28-29, 2013, School of Environmental Sciences, MGU	DoECC, MG University	Dr. MNV Prasad, Hyderabad University Dr. Nandita Singh, NBGRI, Lucknow Dr. Dinesh Mohan, JNU Dr.V.Subramaniyan, JNU
45.	International Conference on Advanced Oxidation Processes (AOP 2014), September 25-28, 2014 Munnar	DST, BRNS,DRDO, ISRO	Michael R. Hoffmann, California Institute of Technology, USA L. Gomathi Devi, Bangalore University, India Mehmet A. Oturan, Universite Paris-Est, Marne-la-Vallee, France Collin G. Joseph, Universiti Malaysia Sabah, Malaysia Anju Chadha, IIT, Madras, India
46.	International Conference on Frontiers of Mass spectrometry, December 11-14, 2015. Kottayam	DST	Marc J-F Suter, Eawag, Switzerland Michael W. Linscheid, Humboldt- Universitaet zu Berlin, Germany Athula Attygalle, Stevens Institute of Technology, USA Evgeny Nikolaev, Physics Russian Academy of Sciences, Russia Achille Cappiello, Università di Urbino, Italia Olivier Laprevote, Paris Descartes University, France
Schoo	of Gandhian Thought and Develop	omental Studies	
47.	National Seminar on "Ageing Gracefully: A multi – Disciplinary Perspective" (2014)	ICSSR, New Delhi	Dr.Anand P Ambali, Professor of Medicine (Specialised in BLDE University, Vijayapur, Karnataka. Rev.Fr.Romance Antony, Executive Director, Society for Empowering Action, Kerala. Prof.John Kattakayam, Prof.Emeritus, Department of Sociology, University of Kerala.



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48.	Two Day's National Seminar on "Understanding the Tribal Life in India: Issues, Challenges and Alternate Approaches" on 10 th and 11 th of October 2013	ICHR	Dr.B.Eqbal, Former V.C, Kerala University.
49.	One Day National Conference on Yoga in association with the inauguration of the Centre for Yoga and Naturopathy on 12.01.2016.	MG university	Shri.Subodh Tiwary, Kaivalyadhama Institute of Yoga, Mumbai. Dr.Vinod Kool, New York University of Polytechnic Institute.
50.	Two days national seminar on relevance of Yoga in Modern life on 18.03.2016 & 19.03.2016.	MG university	Sri. Hira Ratan Manek, Dr. T.V.Padmanabhan,
School	of Indian Legal Thought		
51.	National Seminar on Rights of Children " held on 23 rd , 24 th and 25 th Feb 2012.	M.G.University	Prof.N.K.Jayakumar Vice Chancellor, National Law University, Kochi.
52.	National Seminar on Family as an Institution: Modern Realities and Trends in Law from 28 th to 2 nd March 2013.	M.G.University	Prof.Dr.Y.C.RamaSubbayah, Pro. Vice Chancellor,Shro Acharaya Nagarjuna University,Gundur
53.	Two Day National Seminar on the topic of Farmers Right in the Liberalised Economy: Perspectives and Trends was conducted during 27 th and 28 th March 2015.	M.G.University	Justice C.N.Ramachandran Nair Retd. Judge High Court Kerala & Chairman Dam Safety Authority, India.
School	of International Relations and Pol	itics	
54.	International conference on The Rise of China: Policy Parameter and Prospects, 1-3 November 2012	M.G.University Institute of Chinese Studies, New Delhi.	His Excellency Sri. Niu Qingbao, ConsulGeneral, Consulate of China, Mumbai Prof. Alka Acharya, Director, Institute of Chinese Studies, New Delhi Prof. Madhu Bhalla, Delhi University
55.	International conference on The Arab World; March Towards Democracy, 4-5 February 2013	M.G.University Minstry of Exernal Affairs, GOI. Indian Council of World Affairs KSHEC, Trhiruvanathapuram.	Sri. Ranjan Mathai, Foreign Secretary of India, Consul General of Turkey in Mumbai. Mrs. Ceylan Ozen Erisen, Prof. Tim Niblock, University of Exeter, UK, Prof. Siddharth Mallavarapu, South Asian University, Dr. El Sayed Mekkawi, Minufyia University, Egypt, Sri. Kim Jinwoog, Korea Research Institute for Military Affairs, Sri. John Cherian, Frontline.
56.	South Asian regional conference on Engaging South Asia: Challenges and Opportunities of New Diplomacy, 27-28 th March 2014	M.G.University KSHEC, Trhiruvanathapuram.	Ambassador K. P. Fabian Prof. V. Suryanarayan, former National Security Advisory Board Member



57.	Colloquium on Travails of Political Transition in Iraq and Egypt, 27 th June 2014	M.G.University	Prof Ninan Koshy, Prof AK Ramakrishnan, JNU
58.	National seminar on Understanding China, 27-28 February 2015	M.G.University	Mr. Venu R. senior diplomat in the Ministry of External Affairs and currently Press Secretary to the President of India, Prof. Madhu Bhalla (Delhi University), Sri. Murali Nair (former Consul of India, China)
59.	Conference on Engaging Diaspora: Challenges and Opportunities, 23-24 March 2015	M.G.University KSHEC, Trhiruvanathapuram.	Ambassador Ishrat Aziz, Ambassador R. Dayakar, Dr. Mao Yue, Director, South Asia Research Centre for China, Mr. Velupillai Kuhanendran, Director, Global Tamil Forum
60.	International seminar on Understanding Contemporary India, 14-15 January, 2016-08-12	M.G.University	Dr. T.V. Paul, Professor of International Relations, McGill University, Canada, Dr. Imtiaz Ahmed, Executive Director, Regional Centre for Strategic Studies, Sri Lanka, Dr. Shibashis Chatterjee, Professor of IR, Jadavpur University
61.	National conference on Public Policy and Governance in India and China, 21-22 March 2016	M.G.University Chennai Center for China Studies.	D. S. Rajan, Distinguished Fellow of Chennai Centre for China Studies Prof. V. Suryanarayan, former Member, National Security Advisory Board, Govt of India
Schoo	ol of Letters		
62.	One day seminar on "Vision and Experience" 29 March 2012	M.G.University	Shri Kumar Sahini National Award Winner for Direction
63.	Seminar on Computational Practices in association with Akshara, December, 2012	M.G.University	Prof. B.Iqbal Former Vice Chancellor, Kerala University
64.	Translator's Orientation Programme from 13 to 16 February 2013	MG University, CIIL Mysore	
65.	National Seminar on Indian Cinema: A Century in Perspective, 21-23 March 2013	M.G.University	Dr. Hariharan, eminent film maker and critic in Tamil Nadu
66.	National Seminar on Comparative Literature" from 2527 March 2014	M.G.University	Prof.N.V.Narayanan, Calicut University.
67.	Seminar on Publishing 12 January 2015	MG University, National Book Trust, New Delhi	
68.	National Seminar on "Re-Reading Padmarajan" in January 2016	M.G.University	Shri.Joshy Mathew,Former Kerala Sahithya Academy Vice President
69.	National Seminar on <i>Thirukkural</i> in March 2016	M.G.University	Prof Nachimuthu Internationaly Relevant Linguistics



Mahatma Gandhi University

70.	National Conference on The Hebrew Question in the Italian Renaissancein April 2016	M.G.University	Prof.Daniel Stein Kokin Jewish Literature and Culture ,University Greifswald,Germany
Schoo	ol of Management and Business Stud	lies	
71.	National Conference on Business Models (NCBM), February 2016	M.G.University	Dr. Javed Hassan,Nest Group Dr.K.C.Chandrashekaran Nair Consultant KIDCO Dr T.Ashokan P.V.C Kannur University Shri P.Vinod Manger RBI
Schoo	ol of Pure and Applied Physics		
72.	National seminar on 100 years of crystallography, 2013, SPAP Mahatma Gandhi University, Kottayam.	M.G.University	Dr.S.Karthikeyan, IMTECH,Chandigarh
73.	International year of Crystallograpghy 2014	KSCSTE	Dr.M.R.N Murthy,IISC Banglore
74.	National seminar on Photonics,MGU June 26 th (2014)	M.G.University	Dr Reji Philip,Raman Research Institute ,Bangalore
75.	National Seminar on Advanced Materials, SPAP, M.G. University, January 19-20 th , 2012. Number of Participants – 75	M.G.University	Dr Santhosh Kumar,IIT Chennai
76.	International Conference on Plasma & Nanotechnology and 29th National Symposium on Plasma Science & Technology 8- 11 th Dec 2014 (PLASMA-2014)	M.G.University	Ashish Vyas, IIT Delhi
77.	Seminar on "The Hunt for the Blue LED"-SPAP, 14, October, 2015	M.G.University	Dr Reji Philip,Raman Research Institute ,Bangalore
78.	Seminar on Piezoelectric Thin Films – Influence of film texture for MEMS. SPAP, 18 June 2015.	M.G.University	Dr B.Premlal,U.K
Schoo	ol of Tourism Studies		
79.	Two day National Level Seminar on Research Methodology and SPSS software in May 2016	M.G.University	Dr. B. George and Dr. S. Pushparaj, Associate Professors, Madurai Kamaraj University and Dr. Cecil Dalston, Associate Professor, Presidency College Chennai
80.	One day Seminar on 'Literary Tourism' with Darsana Academy and DTPC – Kottayam	M.G.University	Mr. U.V.Jose, Director, Dept of Tourism
Depa	rtment of Life Long Learning and E	xtension	
81.	Four day Seminar on Organic Farming31 Jan to 3 Feb, 2013.	M.G.university	K.V.Dayal,Famous Organic farming expert
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82.	One Day Seminar on Organic Farming-16-10-2014	M.G.University	K.V.Dayal,Famous Organic farming expert
83.	The International Seminar, Theme-"EXTENSION: THE THIRD DIMENSION OF EDUCATION" February 26-28, 2016 Venue:-Marian College, Kuttikkanam	M.G.University	
84.	Two Day National Seminar on Relevance of Yoga in Modern Life 18 th and 19 th March 2016	M.G.University	Hira rattan Manek,famous sun gazing expert
85.	National Seminar on the Trends and Developments in the Education of Children with Learning Disabilities	M.G.University	Himanshu Tripati
86.	National Seminar on Blood and Organ Donation-Scientific and Motivational Aspects -5 th to 7 th October 2016.	M.G.University	
Inter	national and Inter University Centro	e for Nanoscience and Nanote	chnology-IIUCNN
87.	International Conference on Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Application (ICM 2016): 13-15, May 2016	University,DST New Delhi,KSCSTE Thiruvanthapuram	Dr. Galder Kortaberria Basque Country University, Donostia, Spain. Dr. Sunilkumar PN University of Regensburg, Germany Prof. Jana Rieger University of Alberta, Canada Prof. Erhan Piskin Hacettepe University
88.	Fourth International Conference on Nanomedicine and Tissue Engineering (ICNT 2016) 12-14 August 2016	ICMR,KSCSTE Thiruvanthapuram	Abdeen Mustafa Omer, UK Devika Chithrani, Canada Jagat Kanwar, AUSTRALIA Xiaohong Yang , China Madhavan Nair, USA
89.	First International Conference on Advanced Materials for Power Engineering (ICAMPE 2015): 11-13 December, 2015	DRDO, New Delhi DST, New Delhi	Dr. Cemal Basaran, State University of New York at Buffalo, New York, USA Dr. Matej JERGEL Slovak Academy of Sciences Bratislava, Slovak Republic Prof. Douglas B. Chrisey Tulane University New Orleans, USA
90.	International Conference on Nanostructured Polymeric Materials (ICNPM 2015): 13-15 November, 2015	ICMR, New Delhi KSCSTE, Trivandrum	Prof. Samy Remita (Mr.) Université Paris-Sud, Orsay, France Dr. Naved I. Malek Universidade De Sao Paulo Brazil Prof. Emmanuel Rotimi



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91.	World Congress on Microscopy (WCM 2015): 9-11 October,2015	INSA, New Delhi University, DST New Delhi, KSCSTE Thiruvanthapuram	Prof. Ludek Frank, Ústav přístrojové techniky Czech Republic Dr. Orsolya Kantor Semmelweis University, Hungary
92.	Fourth International Conference on Natural Polymers (ICNP 2015) : 10-12 April 2015	University,DRDO ,KSCSTE Thiruvanthapuram	Dr. Chantara Thevy Ratnam, Malaysian Nuclear agency Selangor DE, Malaysia Prof. Marcos Lopes Dias Universidade Federal do Rio de Janeiro-Brasil Dr. Jonathan Lao Laboratoire de Physique Corpusculaire, CNRS/IN2P3, France
93.	Second International Conference on Nanostructured Materials and Nanocomposites (ICNM 2014) : 19 – 21 December 2014	DST, New Delhi	Dr. Adel Najar Nippon Telegraph and Telephone Corporation (NTT) Kanagawa Japan Prof. Jose Rajan, Ph.D. Univ Malaysia Pahang, Malaysia Ogun State, Nigeria
94.	Third International Conference on Polymer Processing and Characterization (ICPPC 2014): 11-13 October 2014	University, DST New Delhi, KSCSTE Thiruvanthapuram	Dr. Greg Griffin RMIT University Melbourne, Australia Prof. Dr. Gerhard Eder Johannes Kepler University
95.	First World Conference on Fracture and Damage Mechanics (FRACTURE 2014): 9-11 August 2014	University, INSA New Delhi, KSCSTE Thiruvanthapuram	Arun Raje LaVision GmbH, Goettingen, Germany Ramdane Boukellif Universität Kassel Kassel, Germany Ryuichiro Ebara, Fukuoka University, Japan Prof. Masahiro Endo,
96.	Third International Conference on Recycling and Reuse of Materials (ICRM 2014): 11-13 April 2014	CSIR, New Delhi DST, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Prof. Vinicius Guilherme Celante Instituto Federal do Espírito Santo - IFES - Campus Aracruz, Brazil. Dr. Eng. Maria Concetta Tomei Monterotondo Stazione,Italy Tomoko Akai
97.	Seminar on Polymers and Environment, 4 th September 2013	M.G.University USIEF	Pro Vice Chancellor M.G University Cordinator USIEF,Chennai



98.	International Conference on Advanced Polymeric Materials (ICAPM 2013): 11-13 October 2013	CSIR, New Delhi DST, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Dr Ashu Bansal University of St Andrews, UK Prof. Juozas Vidas Gražulevičius Kaunas University of Technology,Lithuania Prof. Dr. Baki Hazer Bulent Ecevit University, Zonguldak, Turkey Prof. Dr. Gerhard Wenz Campus Saarbrücken,
99.	Third Euro-India International Conference on Nanomedicine and Tissue Engineering (ICNT 2013): 9-11 August 2013	CSIR, New Delhi DRDO, New Delhi DST, New Delhi ICMR, New Delhi INSA, New Delhi	Jie Weng Jiaotong University, PR China Charlotte A. E. Hauser Institute of Bioengineering and Nanotechnology, Singapore Lindy Fitzgerald The Univ. of Western Australia Dr. Samarendra Maji Ghent, Belgium
100.	First International Conference on Advanced Nanocomposites for Construction Materials (ICNC 2013) 12-14 March 2013	CSIR, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Mahmoud Reda Taha, Mexico Firat University, Turkey A Jindrich M., Czech Republic Dimitris Karamanis, Greece Federica Bondioli, Italy MirhoseiniSarejam, Iran Akira Otsuki, Australia
101.	The India-Israel Meeting On Material Science And Nanoscience, (IIMMN-2013), Mahatma Gandhi University, Kottayam, Kerala, India 31 st January to 1 st February 2013	CSIR, New Delhi DRDO New Delhi KSCSTE, Trivandrum	Gary Hodes,Israel David Cahen,Israel Leeor Kronik,Israel Rafal Klajn,Israel Yehiam Prior,Israel Ernesto Joselevich,Israel Gitti Frey,Israel
102.	Second International Conference on Nanomaterials - Synthesis, Characterization and Applications (ICN – 2012) 13-15 January 2012	DST, New Delhi ICMR, KSCSTE, Trivandrum	Dr. Baidakova Marina Vladimirovna ,Russia Dr Guryanova Natalia Ivanovna Russia Dr Yury S. Nechaev RUSSIA Dr Prof. Petr A. Purtov Russia
103.	Third International Conference on Natural Polymers (ICNP2012): 26-28 October 2012.	CSIR, New Delhi DBT, New Delhi DRDO, New Delhi DST, New Delhi INSA, New Delhi	Dr. Elliot Paul Gilbert Project Leader, Food Science Australia Mohan Trada University of Southern Queensland, Australia Anand Gadre University of California, Merced Prof.Chengbo Shandong University



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104.	First Indo- US International Conference on Polymers for Packaging Applications (ICPPA 2012) 31st March – 2nd April 2012, Kottayam, Kerala, INDIA	CSIR, New Delhi DRDO, New Delhi ICMR, New Delhi KSCSTE, Trivandrum	Dr. LIU ZhiGang School of Mechanical Engineering, Jiangnan University CHINA Prof. Dr. LU-Li Xin School of Mechanical Engineering, Jiangsu Province, CHINA
105.	Third International Multicomponent Polymer Conference (IMPC-2012) 23-25 March-2012, Conducted by Centre for Nanoscience, M. G. University, Kerala, INDIA	DST, New Delhi ICMR,KSCSTE,M.G.Unive rsity	Prof Patrick Sharrock University Paul Sabatier Castres Cedex, France Dr. Leandro Ludueña National University of Mar del Plata, Argentina
106.	(PPOMP 2011) First International Conference on Plasma Processing of Organic Materials and Polymers 25-27 November 2011, Kottayam, Kerala, India	BRNS, Mumbai CSIR, New Delhi DST, New Delhi ISRO, Bangalore	Dr. Frederic Thevenet Dpt. Chimie & Environnement Ecole des Mines, Douai Poncin-Epaillard Fabienne Université de Rouen, Mont Saint Aignan Cedex, France Miran Mozetic Jozef Stefan Institute, Slovenia Miguel Manso Silván
107.	ICNC-2011- International Conference on Composites and Nanocomposites-2011 Conducted by Centre for Nanoscience, M. G. University, Kerala, INDIA	CSIR, New Delhi DST, New Delhi KSCSTE, Trivandrum	Dr. Andrés E. Sotelo Mieg EUITIZ, Zaragoza (Spain) Xiangdong Yao Griffith Unversity, Australia Prof.Bernard Riedl, Université Laval, Canada Suresh Narine Trent University, Canada
108.	Second International Conference on Recycling and Reuse of Materials (ICRM 2011) 5-7 August 2011, Kottayam, Kerala, India	CSIR, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Prof. Dr. Verónica Calderón Spain Prof. Neil Izatt USA Prof. Nagesh N. Murthy USA Prof. Marko Likon Slovenia Prof. Raimundo Kennedy Vieira Brazil,
109.	First International Conference on Nanomaterials (ICN 2010) April 27-29, 2010.	CSIR, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Dr. Rongming Wang, China Prof. Dr. HG. Boyen, Belgium Dr. M.A.G. Soler Invoice, Brazil Dr. Mathieu Etienne, FRANCE Dr. Rolf Heumann Germany
110.	Second International Conference on Polymer Processing and Characterization (ICPPC – 2010) January 15, 16 and 17, 2010	CSIR, New Delhi INSA, New Delhi KSCSTE, Trivandrum	Dr. Verónica Patricia Martino France Prof. Alexey Iordanskii. Moscow Dr. Moyad N. Khalaf Iraq Prof. Oleg Kulikov Russia Prof. Wang li China Prof. Lu Lin China



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111.	International Conference on Advanced Oxidation Process in collaboration with Centre for Environment Education and Technology (CEET), (AOP- 2010)-September 18-21, 2010, Kottayam.	DST, CSIR, DRDO	Prof. Dr. Detlef W. Bahnemann (Germany), Prof. Dr. Hoffmann(caltech,USA), Prof. Dr. Jacqueline Belloni (France), Padmasree Jai P. Mittal (BARC, India), Dr. Tulsi Mukherjee (BARC, India), Prof. Dr. B.S. M. Rao (Pune, India)	
National Conference on Native Livestock breeds and their sustainable uses in collaboration with Vechoor Conservation Trust and National Biodiversity Authority, September 27- 28, 2010, Kottayam)		DST, CSIR, DRDO	Prof. Dr. Deniz Roizard (France), Dr. Asok M Raichur (IISC, India), Prof. Dr. V.V. Tepliakov(Russia), Prof. Dr. G. Golemme(Italy), Dr Jayasree ramkumar(BARC, India), Prof. Dr. Quang Trong Nyugen (France), Dr. Hiromitsu Takaba (Japan), Prof. Dr. Alok Kumar Ghosal (IIT, Guwahati,India), Dr. Anupam Sukla (IIT, Delhi,India), Thomas Luxbacher(Austria), Dr. S. K. thampi (CSMCRI, India), Prof. Dr. R. Mercier(France), Prof. Dr. Nagy E(Hungary)	
113.	International Conference on Membranes: Environmental and biological applications-(ICM- 2011) September 16-19, 2011, Kottayam.	DST, CSIR, DRDO	Prof. Dr. Hynd Remita (France), Prof. Dr. Mehmet Oturan(France), Dr. Sarkar (BARC, India), Dr. Abijith Saha (Kolkata,India)	
114.	National conference on Disaster risk and vulnerability, School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, 2011	DST, CSIR, DRDO MEF,	Prof. D. Fatta Kassinos (Cyprus), Prof. Minjoong Yoon (South Korea), Prof. Renato).	
115.	Second International conference on Advanced Oxidation Process, October 5-8, 2012, Kottayam.	M.G. University	Prof. Dipankar Chakraborty (Kolkata, India), Prof. Anne M. Hassen (Mexico), Dr. Anurag Garg(IIT,Bombay),	
116.	National Conference on Conservation and Management Of Wetland Ecosystems, In Association with SES, MGU, Kottayam, November 6-9, 2012	M.G.University MEF,	Prof. Andreas Kaiser (Denmark), Prof. Yoram Oren (Israel), Prof. Balagopal Nair (Japan)	
117.	National seminar on sustainable development – recent trends in meeting the challenges, School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, January 20-21, 2012, Kottayam.	M.G.University	Prof. Anilkumar(Japan), Prof. Sylvie (France)	
118.	International Conference on Membranes (ICM-2013), October 3-6, 2013, Kottayam.	DST, CSIR, BRNS	K. G. K. Warrier (NIIST, India), Prof. Dr. Vinay A. Juvekar (IIT,Bombay)	



119.	Seminar on Conservation of Western Ghats, School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, 16 th December 2013.	DST, CSIR, BRNS	Prof. O. P. Singh (India), Prof. Dayanthi Nugegoda (Australia).		
120.	Third International Conference on Advanced Oxidation Processes (AOP 2014) Sept. 25- 28, 2014, Munnar, Kerala.	ntion Kharul (NCL,India) 14) Sept. 25-			
121.	International Conference on Water: from pollution to purification (ICW - 2015) Jan. 23-26, 2015, Kottayam, Kerala	DST, CSIR, BRNS	Falcao Dantas (Brazil),		
122.	International Conference on Membranes (ICM - 2015) Aug. 21-24, 2013, Kochi, Kerala	DST, CSIR, DRDO	Dr. Pushpito Ghosh(CSMCRI, India)		
123.	International Conference on Mass Spectrometry, December, 11-14, 2015, Kottayam	MEF	Dr. Marc J-F Suter, Eawag, Switzerland Prof. Athula Attygalle, Stevens Institute of Technology, USA Prof. Olivier Laprevote, Paris Descartes University, France		
Inter U	University Centre for Studies in Scie	ence of Music -IUCSSM			
124.	International Seminar on Science of Music was organized "Nadam- 2015" 23-27 Sepetember 2015 at Kottayam	M.G.University	Dr. James B. Kinchen, University of Wisconsin-Parkside Dr. Sanjay Subramanyam Chennai, Eminant Karnatic Vocalist		
Advan	Advanced Molecular Materials Research Centre-AMMRC				
125.	National Seminar on Current Trends in Material Sciences on 15- 11-2013	M.G.University	Dr Vijayamohanan Pillai, CECRI, Karaikudi Dr K.R.Dayas, CMET, Trichur Dr Shaaijumon Cherian, IISER, TVM		
126.	National Seminar on Recent trends in Inorganic-Organic Hybrid Materials on 26 - 27 February, 2015	M.G.University	J. N Behera (NISER, Orissa) T.K.Maji (JNCASR, Bangalore) R. Murugavel, (IIT, Bombay)		
127.	National Seminar on Recent Advances in Materials Sciences on November 18-19, 2016,	M.G University	 Dr. Subi Jacob George, JNCSR Banglore Dr. Vinod Prabhakaran NCL Pune Dr. Reji Varghaes, IISER TVM Dr. Hareesh, NIIST, TVM 		



128.	National Seminar on "Plant Science Technology for Sustainable World" held on 25th	M.G.University	Dr. Krishnaraj P.U., College of Agriculture, UAS Dharwad, Karnataka.
	& 26th February 2016.		Dr. Lekha Sreekantan, KAU, Thiruvananthapuram.
			Binod Parameswaran, CSIR- NIIST, Thiruvananthapuram Dr. K.G. Reghu, CSIR-NIIST, Thiruvananthapuram
Inter	University Instrumentation Centre	-IUIC	<u> </u>
129.	National Workshop on Frontiers of Spectroscopy and Microscopy, Sept 10-12, 2012	DST-PURSE	Prof. K.V.Ramanathan, IISc, Bangalore (NMR Spectroscopy) Dr. Venkat Manohar, IICMS, Chennai (MS- Proteomics) Dr. Unnikrishnan Warrier C. CWRDM, Calicut (Isotopes ratio- MS) Prof. P.M.G. Nambissan, SINP, Kolkata (Positron Annihilation)
130.	National Seminar on "Uptrends in Chemical Sciences and Technology"-2013 March 15-16, 2013	UGC	Dr. T. Pradeep, IIT Chennai Prof. A. Ajayaghosh, CSIR- O Scientist & Dean, Academy of Scientific And Innovative Research, Niist, Trivandrum Prof. Santhanu Bhattacharya, IISc, Bangalore Prof. A.K. Mishra, IIT Chennai
131.	International Conference on Mass	KSCSTE, BRNS, CSIR, M.	Dr. Y.S. Mayya, BARC, Mumbai Dr. Olivier Laprevote, Paris
	Spectrometry, ICMS-2013 Sept. 6-9, 2013	G. University	Descartes University, France Dr.Mahesh J. Kulkarni, National Chemical Laboratory, Pune, India Prof. Kentaro Yamaguchi, Tokushima Bunri University, Japan Dr.Venkateswarlu Panchagnula, National Chemical Laboratory, Pune Dr.R. Srinivas, National Centre fo Mass Spectrometry, India
132.	National Colloquium on Mass Spectrometry, Chemical, Biological and Environmental applications Aug. 29-31, 2014	KSCSTE	Dr. K. P. Madhusudanan, Visiting Scientist, IUIC, MGU Dr S.K. Raza, Institute of Pesticide Formulation Technology Gurgaon Dr. M.V. Jagannadham, CSIR- CCMB, Hyderabad Dr. Abdul Jaleel K. A., RGCB,



133.	International Conference on Advanced Oxidation Processes, AOP- 2014 Sept. 25-28, 2014	DST, KSCSTE, BRNS, ISRO	Dr. Michael R. Hoffmann, California Institute of Technology, USA Prof. Mehmet A. Oturan, Universite Paris-Est, Marne-la- Vallee, France Dr. Collin G. Joseph, Universiti Malaysia Sabah, MALAYSIA Prof. D. Fatta-Kassinos, School of Engineering, University of Cyprus, Cyprus Prof. Minjoong Yoon, Chungnam National University, Daejeon, South Korea
134.	International Conference on Water, ICW-2015 Jan. 23-26, 2015	DST	Prof. Mark R. Weisner, Duke University, USA. Prof. Yoram Oren, Zukerberg Institute for Water Research, Israel. Dr. Anne M. Hansen, Mexican Institute of Water Technology, Mexico. Dr. Martina Zelenakova, Technical University of Kosice, Slovakia.
135.	Third International Conference on Membranes, ICM-2015 Aug. 21-24, 2015	DRDO	Prof. Y. Oren, Zuckerberg Institute for Water Research, Israel Prof. Vladimir Teplyakov, Russian Academy of Sciences, Russia Prof. Andreas Kaiser, Technical University of Denmark, Denmark Dr. Thomas Luxbacher, Anton Paar GmbH, Austria
136.	National Workshop on Mass Spectrometry (NWMS-2015), Dec. 10-11, 2015	M. G. University	Dr. M. Vairamani, SRM University, Chennai Dr. K. Madhusudanan, IUIC, M. G. University Dr. R. Srinivas, National Centre for Mass Spectrometry, CSIR- IICT, Hyderabad Prof. Athula Attygalle, Stevens Institute of Technology, USA.
137.	International Conference on Mass Spectrometry, ICMS-2015 Dec. 11-14, 2015	DST, KSCSTE, DRDO	Dr. Marc J-F Suter, Eawag, Switzerland Prof. Athula Attygalle, Stevens Institute of Technology, USA Dr. R. Srinivas, National Centre for Mass Spectrometry, India



Institu	Institute for Contemporary Chinese Studies - ICCS			
138.	Symposium on the theme China and the Emerging World Order: Is Peaceful Rise Possible? on 23 December 2011 jointly with the KPS Menon Chair, School of International Relations and Politics, MGU	ICSR, ICWA	Prof. Jia Haitao, Director, Institute for Chindian Studies, Jinan National University, Guangdong, Guangzhou, China Li Mingquan, Professor& Vice – President, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China	
139.	International Conference on China (CoC 2012) during 1-3 November 2012 on the theme The Rise of China: Policy Parameters and Prospects jointly with the Indian Council of World Affairs (ICWA), New Delhi, Association of Asian Scholars (AAS), New Delhi and the Institute of Chinese Studies (ICS), New Delhi	ICSR, ICWA, MG University	Huan Yinghong, Associate Professor at the School of International Relations, Sun Yatsen University, P.R.China Yue Zhaomin, Associate Professor, Sichuan Academy of Social Sciences, China. Faculty and Secretary General of the "Centre for India Studies", China Ji Mengxue, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China	
140.	International Symposium on the theme Political Transition in China and the United States – Implications for India on 28 February 2013 jointly with the KPS Menon Chair	MG University	Li Jingfeng, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China Chen Jixiang, Sichuan Academy of Social Sciences (SASS), No. 155, West Section One, Ring One Road Chengdu, Sichuan Province, China Nie Wenjuan, Associate Professor, Institute of International Relations, China Foreign Affairs University.	
141.	National Seminar on the theme "Understanding China: Indian Perspectives" jointly with the Nelson Mandela Chair for Afro-Asian Studies, SIRP and the Chennai Centre for Chinese Studies during February 2015. It was attended by around 20 invited scholars.	MG University CCCS, Chennai	Prof. Srikanth Kondapalli, Jawaharlal Nehru University, New Delhi Amb. Vinod C. Khanna from New Delhi, Sri. Venu Rajamony, IFS from the Ministry of External Affairs; Sri. T.P. Sreenivasan, IFS, Former Indian Ambassador, Sri. Muraleedharan Nair formerly Consul General at Indian Mission at Guangzhou, China,	



142.	Conference on the theme "Engaging Diaspora" jointly with the Nelson Mandela Chair for Afro-Asian Studies, SIRP during March 2015.	MG University KSHEC, Thiruvanathapuram.	Prof. Srikanth Kondapalli, Prof. of Chinese Studies at Jawaharlal Nehru University (JNU), New Delhi, Prof. Madhu Bhalla, Prof. of Chinese Studies at Delhi University, Prof. V. Suryanarayan, President, Chennai Centre for China Studies, Chennai, Dr. D.S. Rajan, Director, Chennai Centre for China Studies,
143.	Associated with an International Conference on 'Understanding Contemporary India' organized by the Rajiv Gandhi Chair for Public Policy Studies, School of International Relations and Politic s& University Centre for International Co-operation, Mahatma Gandhi University during 14-15 January 2016.	MG University	Dr.T.G. Suresh, Associate Professor, Centre for Political Studies, JNU, Sri. R. Hariharan, Former Chief of Military Intelligence, Government of India, Sri.K. Subrahmaniam, Former Joint Secretary (Retd.) Dept. of Economic Affairs, Government of India, Prof. R.S. Vasan, Director, Chennai Centre for China Studies
KN Ra	aj Centre for Planning and Centre -	- State Financial Relations	
144.	Seminar "Emerging Kerala and the Budget 2013-14" - Seminar and Symposium on 22 March 2013.	MG University	Prof. M.A. Oommen, Dr. K.K. George, Prof. K.J. Joseph, Prof. K.N. Harilal, Sri. C.P. John, Prof. Martin Patrick et al. and Sri. K. M. Mani
145.	Colloquium on "Contours of Centre-State Financial Relations and the Budget 2014-15	MG university	Prof. K.N. Harilal (CDS), C.P. John (Planning Board), Prof. Rajan Varughese (former PVC), R. Mohan (Ministry of Finance, Govt of India), Shyjan D (CDS), Prof. Thomas Isaac, former finance minister and Sri. K.M. Mani
146.	Colloquium on the "Union Budget: Challenges and Opportunities" 11 July 2014	MG university	Dr. Jayan Jose Thomas, Associate Professor, Indian Institute of Technology, New Delhi. Dr. Alexander Eapen, Director of Research, Australian National University, Sri. K.T. Chacko former Director, Indian Institute of Foreign Trade, New Delhi, Dr. Jose Naduthotty, KNRC and Dr. B. Ekbal



147.	Collaborative Seminar with UC College	UC college	Dr. Anuradha Balaram (Advisor to the State Planning Board), Dr. Praveen Jha (Jawaharlal Nehru University), Dr. K. K George, Dr. M.A. Oommen, Dr.D.Narayana (former Director, GIFT), Dr CA Antony, CUSAT, Mr. Mohan, Ministry of Finance, Dr. Rajan Varughese et al. Dr. Amit S Ray, Director, Centre for Development Studies
148.	Kerala Development Oxymora: External Source Goods and Service Tax	ICSSR Institute of Parliamentary Studies (IPS)	Prof C P Chandrashekhar, Professor of Economics, J.N.U New Delhi
	(GST): Implications for Kerala Economy		Prof. M A Ommen, Indian Social Institute, Delhi

Name of School/ Department	Details of workshops/training programmes conducted (Total 207)
School of Behavioural	1. International Workshop on Building up Research, 11-13, August, 2013. Convenor -Ms.Rincymol Mathew)
Sciences	2. Symposium on Enhancing Quality of Research. 25.6.2015 (Convenor – Dr. P. S.Sukumaran)
	3. Workshop on Research Methodology and Statistics. 16-18, September 2016 (Convenor - Dr. P. T. Baburaj). Organized through IUCDS.
	4. Two Weeks Orientation Workshop on Braille (English & Malayalam) for General School Teachers in Collaboration with Regional Centre of National Institute for the Visually handicapped, Chennai. 25.09.2015 to 10.10.2015 (Convenor – Dr. K. M. Mustaffa)
	5. Workshop on Rorschack- Psychological testing. 28-29, September 2015 (Convenor – Dr. Rajeevkumar N.)
	6. Workshop on Learning Disability. 15.02.2016 (IUCDS) (Convenor – Dr. P. T. Baburaj)
	7. Workshop on Cognitive Behaviour Therapy. 22-24, March 2013. (Convenor – Dr. Rajeevkumar N.)
	8. Empowering Teachers in Mentoring and Student Counselling. 29-31, March 2016. (Dr. rajeevkumar N).
	9. National Seminar on Management of Learning Disabilities. 22.03.2011. (Convenor – Mr. Rajesh E.)
	10. Workshop on Learning Disability. 28-29, June2016 (Convenor – Dr. P. T. Baburaj)

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	11. Workshop on Curriculum Revision. 28-29 April 2016. (Convenor – Dr. P. S. Sukumaran)
	12. Workshop on BEd Special education Curriculum Revision 0n 23.04.2015 (Convener Dr. P. S. Sukumaran)
	13. Workshop on M.Ed Special education Curriculum Revision 0n 24.06.2015 (Convener Dr. P. S. Sukumaran)
	14. Seminar on National Trust Act, 1999 and Legal Guardian ship for the parents of individuals with Autism Cerebral palsy mental retardation and multiple disabilities, 15.12.2014(Convener Dr. P. S. Sukumaran)
	15. Orientation Course in Indian Sign Language, 11 th – 13 th November 2015(Convener Dr. Muhammad Mustaffa)
	16. Refresher Course on Braille 26.8.2015 – 10.09.2015(Convener Dr. Muhammad Mustaffa)
School of Biosciences	Hands on workshop on DNA Barcoding of microbes.on 30.3.2014. Convener, Dr.Jisha.M.S
	2. Workshop on "Molecular Phylogenetics in Microbiology"26.9.2012-28.9.2012Convener Dr.Jisha.M.S
	3. One day Workshop for Teachers of affiliated Colleges in connection with PG Biotechnology Syllabus Revision -2015.
	4. National Training cum workshop on molecular docking and drug designing 23-25 March 2015 organized by School of Biosciences, Mahatma Gandhi University and BioDiscovery Group Life Sciences,, conducted on 23-25 March 2015. Convenor Dr.Prakashkumar B
School of Chemical Sciences	National work shop on "Fundamentals and applications Material science" organized in association with SRIBS(KSCSTE) on march 4-6 held at Kottayam
	2. National Workshop on "NMR Spectroscopy", 10 th - 13 th September 2014
	3. Workshop on High Performance Liquid Chromatography (HPLC), 4 th & 5 th November 2013.
	4. Workshop on "Computational Chemistry", May 28 th - 31 st , 2012
	5. Workshop on "Basic Principles and applications of Computational Chemistry", May 23 rd - 27 th , 2011 at IIRBS
	6. DST-PURSE sponsored Workshop on Frontiers of Spectroscopy and Microscopy, Kottayam, September 10-12, 2012 (participation)
	7. National Workshop on Advances in Instrumental Techniques for Nanomaterial characterization on 7-8 March, 2014 at Kottayam (Participation)



- 8. The School has hosted the interactive session on **Indian Space Mission** with Dr. K. Radhakrishnan, former Chairman, ISRO
- 9. Invited lecture **Journey to Mars** by Dr. K. N. Ninan, Former Deputy Director, VSSC, Thruvananthapuram
- 10. National Colloquium on Recent Trends in Organic and Bioorganic Chemistry on 24th October, 2013 at Calicut University, Calicut, India –KSCSTE –G. Anil Kumar and Prof. E. Purushothaman (Course Coordinators)
- 11. National Colloquium on Recent Trends in Organic and Bioorganic Chemistry on 18-20 July, 2014 at Kottayam, India-- KSCSTE -G. Anil Kumar (Course Coordinator)
- 12. Workshop on Quantum Mechanics for M Sc Chemistry students and faculty on 20-21 June 2015 at Kottayam-- KSCSTE –G. Anil Kumar (Course Coordinator)
- 13. Workshop on Group Theory for M Sc Chemistry students and faculty on 30 Oct-1 Nov 2015 at Kottayam -- KSCSTE -G. Anil Kumar (Course Coordinator)
- 14. Workshop on Stereochemistry for M Sc Chemistry students and faculty on 8-10 January 2016 at Kottayam -- KSCSTE -G. Anil Kumar (Course Coordinator)
- 15. National Colloquium in Organic and Bioorganic Chemistry held at Kottayam on 29-31 July 2016 -- KSCSTE -G. Anil Kumar (Course Coordinator)
- 16. National Colloquium on Catalysis: Emerging Trends- held at Kottayam on 30 Sept-2 Oct 2016-- KSCSTE –G. Anil Kumar (Course Coordinator)

School of Computer Sciences

- 1. **Interface –Annual Technical Meet,** a National level IT Fest organized by the School in association with Computer Science Students' Association of the School, Every December.
- 2. Workshop on "**Tour Making**", Mr.Aravind Paranjpye, Officer for Science Popularization, IUCAA, Pune, October 18-19, 2010.
- 3. Workshop on "FOSS and BOSS", Smt. Saleena H, Senior Technical Officer, CDAC, Trivandrum, December 17, 2010.
- 5. Workshop on "e-Astronomy and Statistics", organized by School of Pure and Applied Physics in association with School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, January 17-19, 2011.
- 6. Workshop on "MCA Syllabus Revision", Mahatma Gandhi University, 24-25 March 2011.



- Workshop on "Computer Networking Leading to CCNA Certification", March 16, 2011.
- 8. **Workshop on "Teaching Learning Process",** by Prof. (Dr.) R. Vijayakumar, HOD, School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala, 2011.
- 12. Workshop on "Open source software "was organized by the School during 2012, inaugurated by Dr. Iqbal, former Vice-chancellor of Kerala University.
- 13. National level technical talk on "NP Complete Problems and High Performance Computing" as part of Interface2012 in Dec, 2012.
- 14. A one day ISTE e-Workshop on "Creative Teaching" at School of Computer Sciences, October 2013.
- 15. Spoken Tutorial project(an initiative of NMEICT, MHRD, Govt. of India) in the University, a training session at School of Computer Science and Engineering/Computer Applications/IT institutions under M G University on 27.08.2014, at the seminar hall of School of Computer Sciences. **Mr. Swapnil More**, Training Coordinator, Spoken Tutorial (MHRD, NMEICT) IIT Bombay.
- 16. A workshop on 'Training A-view System' by A-View team of Amrita University under the initiative of NMEICT, Ministry of Human Resource Development, Govt. of India, on 23rd February 2015.
- 17. A workshop on 'Scilab' by the Spoken Tutorial Project, through "Talk To A Teacher" project of IIT Bombay on 25/3/2015, funded by National Mission on Education through ICT, MHRD, Govt. of India.
- 18. One day workshop on i. 'Principles and Practices of a Good Professional and Personal Life' and ii. 'How to face an Interview' on 19/08/2015.
- 19. Two-day National Workshop on "India's First Cloud Computing Championship IFC3 INDIA" in collaboration with Neuromancers, IIT Bhubaneswar and Infero, Scitech Council IIT Hyderabad from 9.02.16 to 10.02.16. Our School served as a zonal centre.
- 20. 3 day workshop on "Network Simulator 2" (19.11.15 to 21.11.15) for faculty members as well as M Sc/M Tech and Research students of the School.
- 21. A workshop on "Cloud Solutions and Implementation" for faculty and technical staff of the School on 28.06.2016 by Mr. Saneesh Kaniyath, Sr. Technical Consultant, Smartsoft, Cochin.



	22. Three day National level workshop on "Data Analytics and
	Machine Learning Using R" June 15-18, 2016 as part of Capacity
	Building and Knowledge Upgradation for faculty members and M
	Sc/M Tech/M Phil and Research students of the School, in
	collaboration with Scientific Computing Solutions, Chennai.
	•
	23. Three day National level workshop on "Data Analytics and
	Machine Learning Using R" June 15-18, 2016
School of	1. OSI workshop on "Membrane technology" in collaboration with Duke
Environmental	University, August 2015.
Sciences	2. Nineteenth National Symposium on Environment (NSE-19),
	December 11-13, 2014 at School of Environmental Sciences, MG
	University.
School of Indian	1. A National Seminar on Access to health Care in Modern Era
Legal Thought	:Changing Dimensions, was organised by the School on 13-15th
	March,20167 th National Moot Court has been successfully organized.
	2. Dr. Ambadkar Memorial Lecture on 29 th & 30 th March 2012 on the
	topic Access to Health Care in India: Implications of Patent Laws
	has been delivered by Dr.N.S. Gopalakrishnan (Prof. HRD Chair on
	IPR and Director, Inter University Centre for IPR Studies, CUSAT.
	3. 8th National Moot Court competition has been successfully organized
	during 14-16th Feb,2013.
	4. 9th National Moot Court has been conducted during February 20th and
	22nd of February 2014.
	5. Dr. Ambadkar Memorial Lecture on 8 th March 2014 on the topic of
	Constitutional Dharma and Contemporary Challenges has been
	delivered by R. Venkatramani (Senior Advocate of Supreme Court of
	India & Member of Law Commission of India).
	6. Legal literacy mission in various schools and colleges in Kottayam
	district
	7. Dr. Ambadkar Memorial Lecture on 29 th February 2015 on the topic
	of Judicial Activism and Judicial Restraint has been delivered by
	Hon. Dr. Justice B.S. Chauhan (Chairman Cauvery Water Dispute
	Tribunal and Former Judge of Supreme Court of India) on 29th
	February 2015 on the topic of Judicial Activism and Judicial Restraint.
	8. Dr. Ambadkar Memorial Lecture on on 30 th March 2016on the topic
	of New Constitution Challenges was delivered by Prof Dr
	Sivakumar, Prof Indian law Institute, New Delhi on 30th March ,2016.
	9. Hon'ble Justice V.Eswariah, Chairperson, National Commission for
	Backward Classes and Former Chief Justice High Court of Andhra
	Pradesh delivered a lecture on "Free Press and Independent Judiciary"
	on 18.12.2015



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School of Letters	1. Workshop on Malayalam Computing in August 2015.
	2. Workshop on Poetry, drama, and story in September 2012
	3. Workshop on Knowledge text translation in collaboration with
	CIIL, Mysore from 13-16 February 2013
	4. Workshop on reading ancient Malayalam scripts (<i>vattezhuthu</i> ,
	kolezhuthu, grandhaksharam etc.) in 2014
	5. Translator's Orientation Programme from 13 to 16 February 2013.
School of	1. Three day Workshop on Research Methodology from 12 th to 14 th
Pedagogical	August 2013
Sciences	2. One day Lecture on Research Methodology by Professor (Dr.) M.
	A. Sudhir, Gandhigram Rural University, on 7 th December 2014
	3. One day Lecture on Research Methodology by Professor (Dr.) M.
	A. Sudhir, Gandhigram Rural University, in March 2016
School of Pure &	1. National Workshop on Mathematics for (Astro) Physics, M G
Applied Physics	University Kottayam, Sept 27 -Oct 01 2011 MGU & IRC, Kochi
	2. National workshop on Materials characterisation by diffraction
	Methods, M G University Kottayam, February 24-25, 2010
	3. Workshop on Developments in Crystallography, SPAP, 16 - 17,
	December 2014.
	4. Inculcate Science Propagation Program by Govt. of Kerala, 27 Sep
	2014
	5. Lecture 5: Frontier Lecture Series 27th Sept 2011 'The Relation
	Between Mathematics & Physics' by Prof. N. Mukunda (IISc &
	Vice President Indian Academy of Sciences)
	6. Workshop on Fourier Transforms in (Astro)Physics Feb 13 -15
	2013
	7. September 28 2015 Prof Dileep Karanth, University of Toledo,
	Erudite Lecture on Pseudopotential studies of nanowires and
	nanorings
	8. Lecture on "Radio Astronomy" by Jagadheep Pandiyan Indian
	Institute of Space Science & Technology, Thiruvananthapuram 20
	November 2015
	9. "Radio Astronomy Data & Its Analysis" Lecture by Rabi Akkiba
	Angiras, Member SKAIC Science Working Group 11 Jan 2016]\
	10. Einstein Lecture Series -Lectures by Prof Bala Iyer, Council Chair,
	IndIGO Consortium, ICTS TIFR 2nd Feb 2016
	11. Lecture by Prof John Philip, Head, SMARTS, IGCAR
	Kalpakkam, on 'Light and the Nano World' 25th Feb 2016
	12. Infosys Science Foundation Lecture by Prof G Ravindra Kumar,
	Winner Infosys Prize in Physics on "Extreme Light Extreme
	States" 29 March 2016
	13. Lecture by Dr A M Vinodkumar Calicut University on "Fusion:
	Quest for Super Heavy Elements" 6th April 2016



1. Co-ordinated three University level (2010,2011&2012) and two state level ACQUIRE UG Scholarship programme funded by Govt. Of Kerala
(2010, 2011).
2. Co-ordinated two state level PG Workshops (AQUIRE) funded by Govt. Of Kerala (2011-12).
3. Three Scholar in Residence Programmes funded by the Higher Education Council. (Gayathri Spivak, Romila Thapar(2013) and Partha Chatterjee, 2013).
4. Five day Social Science Methodologies Workshop delivered by Prof. Ahmed Nissar, 2015.
 Five day workshop on Assistive Technologies for Visually Impaired Students doing Social Sciences at ABILITY Station of SSS
One day Workshop on "Zotero" – Library Management Software organized by Kerala Library Association, Kottayam region and School of Tourism Studies in August 2014
 One day workshop on "Mendeley" – Library Management Software organized by Kerala Library Association, Kottayam region and School of Tourism Studies on 28th April 2016
3. Two day National Level Workshop on "Contemporary Research Methods and Software Packages" organized by School of Tourism Studies on 25 th and 26 th May 2016
 One day seminar on "How to avoid Academic Plagiarism" organized by Kerala Library Association, Kottayam region and School of Tourism Studies on 30TH May 2016
5. A workshop on 'Discover Kottayam' (tourism product branding) along with DTPC – Kottayam.
6. One day seminar on Literary Tourism with DarshanaAcademy and DPC, Kottayam.
7. Two day National Level Workshop on Research Methodology and SPSS software in May 2016
Details of programme conducted
International, Inter University & Inter School Centers
1. National Workshop on Hybrids of Nanotubes, Graphene and Dendrimers,
Nanotechnology Platforms, April 2013.
Nanotechnology Platforms, April 2013. 2. National Workshop on Advances in Nanoscience and Nanotechnology,



 National Workshop on "Synthesis, Characterization and Applications of Nanomaterials"-NWNM- 2010 held during 12-14 January 2010

Sensitization Programmes

- Dr. Habeeb Muhammed MA, (Germany)."Hierarchical Gold-Copper Chalcogenide Core Shell Nanoparticle Clusters with Selectable NIR Metal/Semiconductor Plasmon Resonances".31.10.2016
- 2. Dr. Shiju Raveendra University of Amsterdam, Netherlands. "Heterogenous catalysis and its Applications". 20.10.2016
- 3. Prof.Dr. Clement Sanchez(University of Pierre and Maria Currie, France Applications of Hydridmaterials 03.10.206
- 4. Dr. Vivek K Srivastava and Dr. Ganesh C. Basak ,Reliance industries, Vododara, GujaratRecent trends in rubber technology01.10.2016
- 5. Prof. Dr. Wim Dehaen, University of Leuven, Belgium. "Hyper branched Polymers based on Isatin and Electron Rich Arenes: Synthesis and Applications". 25.07.2016
- 6. Camille Thevenot, University of de Lorraine in Nancy, France, A piezoelectric polymer material P(VDF-TrFE): elaboration, characterization and applications 16.07.2016
- 7. Dr.Kajal Ghosal, Assistant Professor, Dr. B C Roy College of Pharmacy and AHS, Durgapur, India (currently affiliated to CEITEC, MU, Czech Republic) Electrospinning: Can polymeric films be plasticized without Plasticizers". 14.07.2016
- 8. Prof. Dr. Dinesh Kumar Kotnees, Patna"Preferentially fixing nanoclays in the phases of incompatible polymer blend using thermodynamic approach and its effect on physico mechanical properties"08.07.2016
- 9. Dr Nishar Hameed, Swinburne University of Technology, Australia" Carbon Fibre the Material of the Future". 18.06.2016
- Dr. Sami Hage-Ali, Associate professor with the micro- nanosystems group (MNS) at Institute Jean Lamour, France"Applications of silicone based elastomers to flexible radio frequency devices and sensors".18.06.2016
- 11. Dr.Rosana Maria Assuncao Birth, Institute of the Federal University of Uberlandia, BrazilPhysico chemical properties of starch NR-blends10.06.2016
- 12. Dr. Daniel Pasquini, Institute of the Federal University of Uberlandia, Brazil Nan crystals from stanch and cellulose on 08.06.2016
- 13. Prof. Dr. Zakiah Ahmad(Director,Institute for Infrastructure Engineering and Sustainable Management,Mara) from MalaysiaNew frontiers of material science in civil engineering31.05.20116
- 14. Prof. Dr. JosesphArul of the University of Laval, Canada Preservation fresh fruits and vegetables01.04.2016



- 15. Prof. Nathalle Gontard (Professor, INRA Research Director, Food & Packaging Scientist) from France, Next generation of packaging to increase full system sustainability. 28.03.2016
- Prof. Florian Mormann, MD, PhD, Department of Epileptology, University of Bonn, Germany"The Building Blocks of Memory-The Marilyn Monroe Neuron"19.02.2016
- 17. Prof. Dr. Joanna Ewa Izdebska Warsaw University of Technology, Poland Printing On Polymers08.02.2016
- 18. Prof Francis Lewu, South AfricaCrop and medicinal species conservation, production and utilization20.01.2016
- 19. Dr. Aji.P.Mathew, Professor, Luleå University of Technology, SE 97187, Luleå, Sweden, Nanocellulose Research 12.01.2016
- 20. Dr Apala Majumdar, Associate, Professor (Reader) and EPSRC Career Acceleration Fellow,, United Kingdom, Problems in nonlinear elasticity, colloidal systems and nanoparticles systems. 08.12.2015
- 21. Dr. K.I. Suresh, Polymers & Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Hyderabad) on the topic"The Emulsion Polymerization: The Green Approach to Functional Polymers"01.12.2015
- 22. Dr. Venkata Gopal Reddy Chada Chief Manager- Technology), Asian Paints, Paints and Colours 14.09.2015
- 23. Dr. Gregor Filipič from Slovenia ,Plasma for controllable surface modifications and nanosynthesis,24.08.2015
- 24. Dr. Vinayan B P, Helmholtz Institute Ulm, Karlsruhe Institute of Technology, Germany Development of suitable electrolyte for metal sulfur battery, fabrication of high capacity and long cyclic stability sulfur electrode materials and different electrochemical phenomenon within this system.09 .07.2015
- 25. Dr. Jacob John,Impact of Globalization on National and Internationals Affairs.22.06.2015
- 26. Prof .Vijaya Mohanan Pillai Director, CSIR-CECRI, Central Electrochemical Research Institute, Karaikudi-630003, Tamil Nadu, India ,Nanomaterials for Energy Applications 30.04.2015
- 27. Dr. Praveen G. L (University of Kerala) on the topic "Nanocomposites for Biomedical Applications" 29.04.2015
- 28. Volker Ribitsch (University of Graz. Austria) 21.04.2015
- Mohamed Mehdi CHEHIMI Research Director at French CNRS, Leader of the Surface & Interface research team, Université Paris, France 06.03.2015
- 30. Dr. Maciej Jaroszewski(Head of High Voltage Laboratory, Wroclaw University of Technology, Poland), Impedence Spectroscopy 30.01.2015



- 31. Prof. Suryasarathi Bose, (IISC, Bangalore) 26.01.2015
- 32. Prof. Benjamin S Hsiao (Department of Chemistry, Stoney Brook University, New York)"Breakthrough Water Purification Technologies based on Nanofibrous Membranes"20.01.2015
- 33. "Prof. (emerit.) Dr. Werner Mormann, Universität Siegen" Ionic liquids and cellulose a perfect green combination11.12.2014
- 34. AASHISH ROY(Postdoctoral Fellow, Department of Materials EngineeringIndian Institute of Science) Conducting polymers for Sensor applications 19.11.2014
- 35. Prof. Renata Dantas, University of Campinas, Sao Paulo, Brazil"Ozonation for water and waste water purification"1.10.2014
- 36. Prof. P.M.G.Nambissan, Saha Institute of Nuclear Physics Kolkata" The Indian legacy of the evolution of science 17.09.2014
- 37. Dr.Rajesh A. Shenoi, University of British Columbia, Vancouver BC, Canada"Designing multifunctional dendritic polymers for macromolecular therapeutics"22.08.2014
- 38. Dr. Suresh.S. Pillai of Environmental Nanotechnology Division, Institute of Technology, Sligo, Ireland,"Nano materials for Environmental Application"13.08.2014
- 39. Dr.T.Sidhu, University of Ontario Institute of Technology, Canada, Research Opportunities at University of Ontario Institute of Technology, Canada"31.07.2014
- 40. Dr. Ali Kareem al-lami, Misan University, Iraq "Preparation and Mesomorphic characterization of supramolecular hydrogen bonding dimer liquid crystals"24.07.2014
- 41. Dr. Salim Albukhaty Transfection of NSCs Neural Stem Cells by BDNF gene using Nano Carrier System"22.07.2014
- 42. Dr.Bharath Rajaram Application Scientist TA USA Recent Trend in Rheological Characterization using Rheometer & DMA18.07.2014
- 43. Dr. Burkhard Fechner, Coherent GmbH on"Recent trends in Excimer lasers in PLD and Nano applications"15.07.2014
- 44. Dr. Chaitanya Lekshmi Indira, Associate Professor, Department of Chemistry, CMR Institute of Technology, Bangalore,"Nanoscale Heterostructures: Material Design & Functional Property Understanding for Nanoelectronic Applications"20.06.2014
- 45. Dr. Maya Padivattathu Multiscale Material Modelling- Approach and Application07.04.2014
- 46. Dr. Abjith Saha, UGC-DAE Kolkata Centre27.03.2014
- 47. Prof. Tamio EndoMie University, Japan"Fabrication of La(Ba,Sr)MnO3/ZnO Heterostructures and Electrical Junction/Switching Characteristics"25.03.2014



- 48. Dr. A. V. Ravikumar, Indian Institute of Plasma Research "Applications of Accelerators" 14.03.2014
- 49. Dr. Chan Chin Han, University Technology MARA, Malasia"Natural Rubber based polymer blends: Thermal and Mechanical properties and morphologies."28.02.2014
- 50. Dr. Tamilselvan, Institute of Chemistry, Division of Surface and Interface Science, University of Graz,, Austria, "Advanced polysaccarides Composites" 25.02.2014
- 51. Dr. Arup Chandra, Apollo Tyres 22.02.2014
- 52. Dr. Suresh. G. Adwani, Associate Director, Center for Composite Materials, University of Delaware, USA, Multi-scale Modeling and Simulation of Composite Manufacturing Processes" 28.01.2014
- 53. G S Murthy (GM, Forevision Instruments, Hyderabad) Talk on AFM 21.01.2014
- 54. Mr. Shyam Panamoottil,,Centre for Advanced Composite Materials (CACM), Auckland, New Zealand"Multiscale modelling to predict the failure behaviour of flax-fibre composites from fibre, matrix and interface properties"27.12.2013
- 55. Dr. Nguyen Van Son "Dispersion of nanoparticles in solution" 01.08.2013
- 56. A K Sinh, Anton Paar, India "Rheology and its applications" 25.06.2013
- 57. Prof. (Dr) C M. Narayan, Professor of Chemical Engineering, National Institute of Technology, Durgapur, India "Biodiesel Synthesis from Micro-Algae oil" 22.06.2013
- 58. Dr. Shams Khwaja, Adjunct Professor of Law, Constitutional Law Lab, USA"Discovering a Road Map for Nanotechnology law and Regulation for India"20.06.2013
- 59. Dr. Ramesh."NMR of Carbon Skeleton"17.06.2013
- 60. Dr. Achutha Prabhu "Irreversible aggregation of patchy colloidal particles: A computer simulation study" 19.06.2013
- 61. Dr. Rajan Babu The Ohio State University U S A) "Asymmetric Catalyzed Reactions of Alkenes and Small Ring Compounds" 18.05.2013
- 62. Dr. Aji P Mathew, Division of wood and Bionanocomposites, Lulea university, Sweden Bionanocomposites 06.07.2012

IUIC

- 1. National Workshop on Frontiers of Spectroscopy and Microscopy-2012
- 2. National Workshop on Mass Spectrometry-2013
- 3. National Workshop on Mass Spectrometry and Raman Microscopy, NWMR-2015



IUCSSM	1. International ensemble on science of Music was organized during 23-27
TOCSSWI	September 2015 at Kottayam
	2. Arranged an invited talk by G.S. Paul on the topic "Mathematical analysis of Swaras in Octave" on 30-03-2016
AMMRC	National workshop on Fundamentals and applications of Material Science in collaboration with KSCSTE, Trivandrum in March 2016
СНРС	1. Conducted Computer Training Programme in Linux to teaching and nonteaching staff of the University. The training includes, Ubuntu OS, Writer, Calc and Internet.
	2. 13 batches with 30 participants each were provided training in computers.
IIRBS	Workshop on Maingroup and Organometallic Chemistry on October 24 – 26, 2016
	2. One day International Symposium on Concurrent methodologies in Organic Synthesis - in honour of Prof. Ei-ichi Negishi(2010 Chemistry Nobel Laureate, Purdue University, USA) on 13th February 2016
	3. National Workshop on "NMR Spectroscopy", 10th - 13th September 2014.
	4. Lecture series on "Liquid Chromatography", 9th - 18th December 2013.
	5. Workshop on High Performance Liquid Chromatography (HPLC), 4th & 5th November 2013.
	6. Lecture on "High Performance Liquid chromatography (HPLC), 4th - 12th November 2013.
	7. Workshop on High Performance Liquid Chromatography (HPLC), 30th April – 2nd May 2013.
	8. Workshop on "Nuclear Magnetic Resonance: Theory and Application", 24th - 26th January 2013.
	9. Lecture on "Boron based organic chemistry",7th - 19th January 2013.
	10. Lecture on "Boron and Gadolinium Neutron Capture Therapy for cancer treatment",16th-17th December 2012.
	11. Lecture on "Organometalic and Bio-inorganic Chemistry",10th-14th December 2012
	12. Lecture on "Structural Topology Optimization with applications in structural engineering and biomechanics",12th December 2012.
	13. Symposium on "Thoughts on Traditional and Genome based Human History" 6th November, 2012.
	14. Advanced Materials Characterization Techniques, May 21st - 25th,2012
	15. Seminar on Research and Development in Chemical Process Development, 22nd Sept.,2012
	16. Application of Magnetic Resonance Spectroscopy in scientific research.,10th Sept.2012



- 17. Seminar on Metal Mediated Organic Synthesis, 4th Sept.2012
- 18. Patenting research findings, 10th August.,2012
- 19. Seminar A review on Renewable Energy Technologies, 17th July., 2012
- 20. Talk Organic Chemistry and Pharmaceutical Industry, 24th April, 2012
- 21. Seminar on Application of two dimensional NMR in the structural elucidation of biomolecule
- 22. Summer Workshop on Computational chemistry, May 28th 31st, 2012
- 23. Workshop on Advanced Materials Characterization Techniques, 21st 25th May, 2012
- 24. Science Academies' Lecture Workshop on Quantum Mechanics, Molecular- Resonance Spectroscopy and Hands-on Experience in Spectroscopy, March 1 3, 2012
- 25. English Language Skill Workshop, December 22 23, 2011
- 26. Seminar on Genetic Structure of Indian Jewish Diaspora, October 27 28, 2011



Appendix II (Question 24-Table I)

Sl No.	Details of Awards received by Faculty	Details of Awards received by Alumni/Students	
School o	School of Behavioural Sciences		
	Dr. Razeena Padmam Mahila Thilakom award instituted by Govt. of Kerala	Nil	
	Dr. P.T Baburaj Best poster presentation award in the International Conference on Inclusive Education, Jan 11 & 12, 2012 organized by the Department of social work, Assumption College Changanacherry, Kerala		
	Ms. Rincymol Mathew Best poster presentation award in the UGC sponsored National Seminar on Ageing and Society, on 4&5 October, 202 organized by ST. Theresa's College, Ernakulum, Kerala. Best poster presentation award in National Conference on Models of Best Practice in Empowerment of Persons with Disabilities, !6-17, October 2015, jointly organized by the National Institute for Empowerment of Persons with Disabilities, Rehabilitation Council of India, and School of Behavioural Sciences, Mahatma Gandhi University, Kottayam, Kerala Sri. Rajesh E Public service award awarded by Confederation of Epidemiological Associations, (CEA) India		
School o	of Biosciences	<u> </u>	
	Dr. E. K Radhakrishnan: Honoured presentation of "Bharat Gaurav Award" by India International Friendship Society, May 2016	Rohini Sabu: Young scientist award for the best paper in the National seminar on Diversity of Microbes and Climate Change mitigation held during 3rd-5th February 2016 organized by Catholicate College, Pathanamthitta	
		Jimtha John C: Best paper award in UGC Sponsered National seminar on progress and prospects of Biotechnology, at St. Josephs College, Irinjalakuda on 14th and 15th January, 2016. Tijith K George, Haseena: Best paper award in the National Seminar on Plant science Technology for sustainable world -2016	



Glindya Bhagyalakshmy:

Best paper presentation award. National Seminar on "Food Safety in India-Current Issues and Career Prospects" 2015

Divya.R:

Best paper presentation award Biovision 2014

Aju K.Ashok.

Best poster award (Life Science) 23rd Kerala Science Congress held on January 29-31, 2011

Aswathy Agnes Joseph:

First Prize for poster presentation at the 24th Kerala Science Congress, organized by Rubber Board., Kottayam, Kerala, India on 29-31, January 2012.

Roshmi Thomas:

First Prize for Paper presentation, at "Nanotechnology: Applications of Nanomaterials in Agriculture, Food and medicine, 25-26 July organised by BK College, Amalagiri, Kottayam.

Jasim B:

First Prize for Paper presentation at the "National Seminar on Advanced Biochemical Techniques: Relevance in Interdisciplinary Research Scenario" on September 3-4, organized by B.K. College, Amalagiri, Kottayam.

Anisha C:

Best Poster Award at the International Seminar on Emerging Trends in Organic Farming and Sustainable Agriculture organized by IUCOFSA, Mahatma Gandhi University, on 29th 31st Dec,2016

Rosemin Benny:

Best paper award for Rosemin Benny at 25thSwadheshi Science congress December 2015.



School of Chemical Sciences

Prof.Sabu Thomas:

- 1. Distinguished Professorship Award Josef Stefan Institute, Slovenia, 2010
- 2. Fellow of the Royal Society of London, FRSC, 2012
- 3. Awarded Bronze Medal of Chemical Research Society of India, 2013
- 4. Awarded Materials Research Society of India Award (2013)
- Awarded Society For Educational & Scientific Research. (SESR) Nanotech Scientist Award- 2014
- 6. Honorary doctorate (D.Sc.) from the University of South Brittany, Lorient, France (2015)
- Awarded Loyalty Award "International Materials Technology Conference Exhibition" May 2016 & Honourable member of IMTCE, Loyalty Award Club (Membership Number -IMTCE-LC-017
- 8. Awarded Dr. APJ Abdul Kalam Award for Scientific Excellence 2016
- Mahatma Gandhi University- Award for Outstanding contribution –November 2016

Dr. Raju Francis: UGC Research Award, 2012

Prof. Suresh Mathew:

- 1. Rudolph A Marcus Award 2016 in Chemical Sciences by Lognor, Publishers of Science Advances Today
- 2. Nanoscience Research Leader Award 2015 by Cognizure Publishers, hostess of the International Journal Science Letters

Dr. G. Anilkumar:

Second prize in the Evonik Industries Chemistry Research Proposal competition ECRP 2016, Germany

Divya Mathew:

- 1. Best poster award for Kinetic Study on the Catalytic Amidolysis of Z-L-Phe-PNA Using Phosphonate Analogue Imprinted Polymer Catalysts as Chymotrypsin Mimics (*National Seminar on Phytochemistry An EmergingBranch for the Development of Potential Anticancer Drugs*, Assumption College, Changanasserry, September 2015)
- 2. Best poster award for Kinetic Studies on Hydrolytic Activities of Polymer Supported Enzyme like Catalysts in the Amidolysis of Z-Tyr-Gly-OCH3 (Recent Trends in Spectroscopy: A Chemical and Biological Perspective-II, Newman College, Thodupuzha, 13-14 September 2015)-
- 3. Best poster award for Effect of the Nature and Extent of Crosslinking on Catalytic Amidolysis of Z-L-Tyr-PNA Using Chymotrypsin Mimics (National Seminar on Advanced Functional Materials, Mar Athanasius College, 15-16 September 2015)-
- 4. Kinetic Study on the Catalytic Amidolysis of the Dipeptide H-Tyr-Gly-OH Using Boronic acid Analogue Imprinted Chymotrypsin Mimics (RTSB, Recent Trends in Organic Synthesis and ChemicalBiology, Annamalai University, Department of Chemistry, October 2015)-

Deepalekshmi Ponnamma Best Poster Presentation

Award in "National Seminar on Recent Advances in Polymer Science and Technology-2012" Organized by: Society for Polymer Science India and MarIvanios College Trivandrum, India

• DeepalekshmiPonnamma Best Oral Presentation

Award in "National Conference on Nanostructured materials and Nanocomposites (NCNM) 2012" Sponsored by UGC, at NSS College, Ottapalam, Kerala, India



• Cintil Jose

Best paper award for the paper entitled "Novel approach for the development of cellulosenanowhiskers from isorafibre" at the National Seminar on 'Emerging Trends in Chemistry'held atSt.Joseph's College, Moolamattam on 25th February 2012

• Sooraj M. P.,

Emerging Trends in Polymeric Materials (ETPM 2014) organized by The Society for Polymer Science, India and Christian College, Chengannur, Kerala, January 2014 – Best Poster Award

• Sooraj M. P.,

"3rd International Science Congress (ISC 2013)" organized by International Science Congress Association, Karunya University, Coimbatore, December 2013 – Best Poster Award.

• Sooraj M. P.,

International Conference on Advances in Material Science (ICAMS 2013)" sponsored by OPCW, DRDO, KSCSTE, Sree Snakara College, Kalady, October 2013 – Best Poster Award

• Sooraj M. P.,

National Seminar on "Advances in Chemistry-Research and Opportunities" sponsored by KSCSTE, All Saints' College, Trivandrum, August 2013 – Best Paper Award

• Runcy Wilson-

Best Paper Award- National Seminar on Advanced Polymer Materials , Organized by Department of Polymer Engineering Mahatma Gandhi University College of Engineering, Muttom, Thoupuzha, Kerala September 11&12, 2015



DeepalekshmiPonnamma,

Selected as an invited speaker for the "Polymer Conference for Young Researchers (PCYR-14)" held at CSIR-NIIST

• Amrutha P Thankachan

Best Paper AwardA Novel Protocol for the Formation of C-S Bonds Using Zn(II)-Catalysts" in the UGC sponsored 13th Prof. K. V. Thomas Endowment National Seminar onNew Frontiers in Chemical Research" Conducted at S. H. College Thevara, Ernakulam, on 4-5 December 2014

• A M. Thomas

Best Paper Award forNovel Protocol for Ullmann C-O Coupling Reactions Under Aerobic Conditions, Proceedings of the National Seminar on Recent Trends in Chemistry, 6-7 November, 2014, Baselius College, Kottayam, Kerala

• Amrutha P Thankachan

Best Paper Award forNovel zinccatalyzed C-S cross coupling reactions of aryl halides with aryl thiols " in the UGC sponsored National seminar " Chemistry for Tomorrows world" Conducted at B. K. College Amalagiri, Kottayam on 22-23 January 2015

• Jeena Abraham,

International Conference Nanoscience and Emerging Applications (ICONSEA) organized by Centre for Nanoscience and Technology, Jawaharlal Nehru University, Hyderabad, June 26-28, 2014

• Jyotishkumar Parameswaranpillai

Best poster award- International conference, ICMST October 29-31, 2010 Trivandrum (IIST). Thermal and mechanical properties of poly(acrylionitrile butadiene styrene)modified epoxy/amine systems



• Deepalekshmi Ponnamamma

Selected as an invited speaker for the "Polymer Conference for Young Researchers PCYR-14)" held at CSIR-NIIST Elastomer nanocomposite

• Runcy Wilson

Best Paper Award, National Seminar On Advanced Polymer Materials(SCENTIA), Organized By Department Of Polymer Engineering Mahatma Gandhi University College Of Engineering, Muttom, Thoupuzha, Kerala 2013,

• Cintil Jose Young researcher award

International conference on 'Functional Polymers 2011' held at NIT CALICUT organized jointly by the Department of Chemistry, NIT Calicut & Leeds University, UK "A cost effective approach for the development of cellulose nanowhiskers

School of Environmental Sciences

Dr. C.T. Aravindakumar

- 1. Visiting Professor at the University of Paris-East with full professor status, 2015
- 2. an invited member of the Oslo Governance Forum (OGF), Oslo (UNDP) 2011
- 3. Visiting Professor (with full Professor status) at the University of Paris-East (Department of Geology and Environment) 2013
- **4.** Governing Council member and Executive Committee member of the Kerala State Institute of Climate Change Studies-2014
- 5. Team Leader in Environmental Science to formulate the research policy of the Ministry of Earth Science in India's Polar Research (Arctic/Antarctic/Southern Ocean/Himalaya) for the next 10 years. The Brainstorming Meeting on Polar Sciences and Global Water Cycle was held at the National Centre for Antarctic and Ocean Research (NCAOR), Goa during April 13-14, 2016.
- **6.** Invited as an expert for identifying research proposals for the India's 36th Antarctic Expedition 2016. The workshop was held during June 9-10, 2016

• Sruthy S:

Dr. Satheesh Memorial Young Scientist Award for best paper presentation in 11th Kerala Environment Congress (KEC-2015), 6th to 8th may 2015 organized by Centre for Environment and Development, Kottayam, Kerala

• Daniya M. Thomas:

selected to Brown International Research Institute (BIARI), Brown University, USA – 2013 with full support

• G. Akhil:

- Best Paper Awards in the International Conference on Water: From Pollution to Purification, Jan.23-26, Kottayam
- 2. Best Paper Awards in the 26th Kerala Science congress, January, Wayanad, 2014.
- 3. Best Paper Awards in 5th Asian Conference on Colloid and Interface Science, Darjeeling, November, 2013.



7. Nominated to the Expert Panel of the Water Technology Initiative (WTI) of the Department of Science & Technology, Govt. of India 2015

• Dr. Mahesh Mohan:

- DST-SERB Fast Track Project for Young scientist
- 2. Selected for Indian Arctic Expedition 2013-14
- 3. Selected for Indian Arctic Expedition 2014-15
- 4. Team leader as Indian Arctic Expedition (July, 2015)

• Dr. Sylas V.P:

 Visited Brown International Advanced Research Institute (BIARI) – 2013 (June 06 – 24), Brown University, USA with full support.

P. R. Manoj:

- Best Paper Awards in the third International Conference on Advanced Oxidation Processes, Sept.25-28, Munnar
- Best Paper Awards in the International Conference on frontiers of mass spectrometry (ICMS 2013), Sep.6-9, Kottayam, 2013

• Jisha C:

Best Paper Awards in the International conference on Nano -biomaterials, Kottayam, 2014.

• Shibin N. B:

Best Paper Awards in the National Symposium on Radiation and Photochemistry (NSRP-2013), North Eastern Hill University, Shillong, March 20-22, 2013

Shoniya Thomas:

- 1. Best Paper Awards in the National symposium on radiation and photochemistry, NSRP-2013, Shillong, March 20-22, 2013
- 2. Best Paper Awards in the International Conference on Advanced Oxidation Processes, Oct.5-8, Kottayam, 2012.

T.V. Divyalakshmi:

- 1. Best Paper Awards in the second international conference on membranes, Kottayam, October 4-6, 2013
- 2. Best Paper Awards in the Proc.-International conference on membranes: Environmental and biological applications, Sept.16-19, 2011

Nikhil Chandra:

- Best Paper Awards in the National Seminar (NSNano 2013), SN College, Kollam
- 2. Best Paper Awards in the National Seminar on Green Chemistry-The Ultimate tool for pollution control Changanasserry, February 14-15, 2012

• Siju Abraham:

1. Best Paper Awards in National seminar on green chemistry-The ultimate tool for pollution control,



Changanacherry, February	14-15,
2012	

2. Best Paper Awards in the National seminar on sustainable development: Recent trends in meeting the challenges (NSSD-2012), Kottayam, January 20-21, 2012.

• M. M. Sunil Paul:

Best Paper Awards in the Trombay Symposium on Radiation and Photochemistry, January 5-8, Mumbai, 2012.

School of Gandhian Thought & Development Studies

Dr. C. R. Harilakshmeendrakumar:

GICSNA (Government of India Certified Senior Naturopath Association) National Award for the contributions rendered to the academic propagation of Yoga & Naturopathy in the national and international level.

School of Indian Legal Thought

• Dr. George Joseph:

- 1. Prestigious award of Scroll of Honour from the International Council of Jurists London, 2014, taking into account his contributions in International Law, Academic year 2013-2014
- **2.** Sevanaratnam Puraskaram, 2011 from Nethaji Smaraka Samathi Trivandrum

• Anathakrishnan A Kartha

Best Mooter award in the One week Summer School Programme organised by European College of Law and Common Wealth Legal Education Association at London (2015 -2016)

• Department students team:

- Best Team award, in the National Competition on Alternative Dispute Redressal Mechanism held at Govt. Law College Ernakulam. (Academic year 2012 -2013)
- 2. **The best script memorandum**, in the National Competition on Alternative Dispute Redressal Mechanism held at Govt. Law College Ernakulam. (Academic year 2012 -2013)
- 3. **Runner up in the in NALAM** 2015 conducted by NUALS, (Academic year 2015 -2016)
- 4. Winner, in the Ratio Decidendi Judgment Analysis Competition organized by Bharat Matha School of Legal studies 48rganized in 2015



- 5. **Winner of best article** containing anti drug theme instituted by the Excise department, GOK for the year 2016
 - **6. Selected for the Best magazine** on the theme Anti-Drugs Campaign by the Excise Department, GOK, for the year 2016.

School of Letters

• Dr. P.S Radhakrishnan:

National film award (best film critic) by the Govt. of India for the year 2014.

• Dr.Aju K N:

Dr. B R Ambedkar National fellowship award by Bharateeya Dalit Sahithya Academy, New Delhi in 2012.

• Dr.Saji Mathew:

Research Award from UGC (2014-16).

Dr.Aiu K N:

- 1. Research Award from UGC (2012-15)
- 2. Kerala state film award 2012-13
- 3. Received Literary Award (2016)
- 4. Received Kerala State film award (2015-16)

• Dr. Jose K. Manual

Received Kerala State film award (2015-16)

• Siddharth Siva

Ph.D. Scholar received National film award for the film "Noottonnu Chodyangal" (2014).

• Students team:

The School of Letters won the first prize in the literary quiz conducted in connection with Sahiti, Thunchath Ezhuthachhan Malayalam University Tirur, February 2014.

School of Management and Business Studies

• Dr. Afsal E.M.:

- AIMS-NMIMS Outstanding Paper Award at the thirteenth International Conference on Management organized during 19-22 December 2015 at Indua business Academy, Bangalore
- Award for Best Doctoral Paper
 Presentation in the AIMS-International
 Conference on Management held on 2009
 December 20-23 at IIM Bangalore,2009

• Radhika PC & Johney Johnson:

Received the best paper award at the International Conference organised at SNGCE, (2013)

• Jominy Joice & Siby Zacharias:

Career Management in Changing Career Context', Trends and Challenges in Indian Business Management, Jominy Joice & Siby Zacharias,; International Conference, Placitum November 6 &7, 2014

• Brijesh George John & Siby Zacharias

A Study on Online Jewellery Sales in India' International Conference on Advanced Management- Challenges in Knowledge Era, 8th& 9th January 2015, AMAL Institute of Management, Bharathidasan University



School of Pedagogical Sciences

• Dr. Celine Pereira

Best Teacher Educator Award of Council of Teacher Educators in 2013

• Dr. Varghese P. Peter

National Best Teacher Award in 2013-14

Mrs. Sindhu P.G:

Best Paper Presenter Award by Council of Teacher Educators in 2014

Mrs. Sreeja Swas :

Best Paper Presenter Award by Council of Teacher Educators in 2013

School of Physical Education & Sports Sciences

• Dr. Binu George Varghese

Letter of Appreciation from Secretary Sports, Government of Kerala for the excellent performance of Kerala team in 35th National Games and for meticulously discharging the responsibilities of Secretary, Kerala State Sports Council during my tenure from 2014-2016.

School of Pure&Applied Physics

• Dr. Antony S

UGC research award 2015

• RitheshRaj:

Best Oral presentation by at the National seminar on Advances in Crystal Growth and Nanotechnology held at CSM College Kottayam during Jan 15-16,2016

• RaneeshB:

Second position in poster presentation, The secondint ernational conference on Opto electronic materials and Thinfilmsfor Advanced Technology (OMTAT2013), Cochin University of Science and Technology, Cochin, January 3-5, (2013)

Ms Rehana P Ummer:

Best award for oral presentation, 15th National Symposiumon Material Science, IIT Bombay, Mumbai May 18-24 (2015)

Ann Mary KA:

Bestpaper Award in Physical Science in the 26th Kerala Science Congress held at Kerala Veterinary and Animal Science University Wayanad during 28 to 31 Jan 2014



		• PrasanthS:
		Best poster Presentation award to, in the national seminar on Photonics and Its application held at University of Kerala during Dec 9-11 2015
		• RemyaMohan:
		Best Poster Award for at the National Seminar on nano-scale Science & Technology, Devamatha College, Kuravilangad 2015
		• El HadjiMamourSakho:
		Best Poster Award at the International Conference on Advanced Materials for Power Engineering 2015 conducted by Wroclaw Technical University & Mahatma Gandhi University 2015
School of	Social Sciences	
	• Dr. Raju S: UGC Research Award	
Departme	ent of Lifelong Learning and Extension	
	• Dr. Sabukuttan	
	1. Received Life time Achievement Award in 2014 for promotion of yoga and Naturopathy from the Indian Martial Arts Academy Thrissur, Kerala	
2	2. Received Sarojini Damodar Foundation Award twice for the recognition of his service in propagating Organic Farming in 100 affiliated colleges under Mahatma Gandhi University during the year 2016 and also for the academic contributions in spreading the message of Organic Farming by starting Certificate and Diploma Courses at the University.	
3	3. Received Certificate of Honour for the incredible contributions in Social Service for the years 2012-13,2013-14 and 2014-15 by Kerala Action Force, Anwar Pain and Palliative Care and IMA Madhya Kerala	
4	4. Received the Youth Promotion Award 2014 from the Centre for Research and Action (CIRA) in recognition of Significant Contribution in the field of Youth Development	
5	5. Received the Best Programme Co- ordinator Award during the year 2013-14 and 2015-16	
6	6. Received the Kamala Dalam Award in 2016.	



- 7.
- **8.** Received Synergy Award for the Empowerment of Youth in 2016
- Received Indira Gandhi NSS Award for the year 2013-2014 for the Best NSS Programme Co-ordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee.
- **10.** Received Indira Gandhi NSS Award (Certificate of Appreciation) for the year 2012-2013 for the best NSS Programme Co-ordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee.
- 11. Received the IPCAI National Award for the outstanding contributions in the field of Community Organisation through National Service Scheme of Mahatma Gandhi University in November 2016.

International and Inter University Centre for Nanoscience and Nanotechnology

• Robin Augustine :

- Best poster award, International Conference on Membranes (ICM-2013), MGU; Best poster presentation in Second International Conference on Nanomaterials: Synthesis, Characterization and Application India- 2013, MGU.
- 2. Best Poster Presentation Award International Conference on Advanced
 Nanocomposite for Construction
 Materials (ICNC-2013), MGU; Best
 oral presentation award -International
 Conference on Tissue Engineering and
 Regenerative Medicine (ICAPM2013) National Institute of
 Technology, Rourkela, Odisha
- 3. Best poster award-Bioradiance 2014 (National level seminar), organized by the Pushpagiri Research Centre, Tiruvalla, Kerala.; Third prize for poster presentation ,2nd International Conference of Nano Materials(ICNM)2014, MGU

Jemy James:

Best Oral Presentation - International Conference On Plasma Science And Nanotechnology, & 29th National Symposium On Plasma Science And Technology, MGU



• Preetha Balakrishnan:

Best Oral Presentation Award -National Seminar on Material Science and Modern Analytical Techniques on 26th&27th of March 2014

• Dr.Praveen.G:

- 1. Best Oral Presentation Award, National Seminar On Biopolymers And Green Composites (BPGC-14);
- 2. Best Oral Presentation Award, National Seminar On Nanochemistry And Nanobiotechnology (Nanochembio-14);
- 3. Best Poster Presentation Award (Prof. D.M. Vasudevan Award),In Bioradiance-2015 'National Conference On Frontiers In Diabetic Research And Treatment';
- **4.** Best Oral Presentation Award, UGC Sponsored National Seminar On "Emerging Trends In Nanomaterials"
- **5.** Best paper award ,28th Kerala Science Congress,2016

• Jiji Abraham :

Best Paper Award - National Seminar on Nanostructured Materials (NSM2014),5: Best Paper Award, National Seminar On Advanced Polymer Materials (Hesperos 2015), MGU

• Blessy Joseph:

Best Poster Prize International Conference On Holistic Medicine -ICHM 2015, MGU

Advanced Centre of Environmental Studies and Sustainable Development (ACESSD)

Sijumon V.A

Best poster award in the National symposium on radiation and photochemistry, NSRP-2013, Shillong, March 20-22, 2013; Best poster award in the National seminar on sustainable development: recent trends in meeting the challenges, NSSD-2012, Kottayam, 2012; Best poster award in the National seminar on green chemistry-The ultimate tool for pollution control, Kottayam, 2012.

Jisha C

Best paper in the International conference on Nano -biomaterials, Kottayam, 2014.



	G. Akhil
	Young scientist award, in the 26 th Kerala Science congress. 2014, Best paper award in the 5 th Asian Conference on Colloid and Interface Science, University of North Bengal, Darjeeling. 2013, Best paper award in the International Conference on Water: from pollution to purification, Kottayam, Kerala, Jan. 23-26, 2015.
Institute for Intensive Research in Basic Sciences (IIRI	BS)
• Prof (Dr.) I. Ibnusaud:	
Best paper award for the paper presented in	
'Chirality 2004' held at New York	
University, New York U.S.A.(2004).	
KN. Raj Centre for Planning and Centre-State Relation	ns
Girish Kumar R:	
Jean Monnet Fellowship, European University,	
Florence, Italy 2010 (International Level)	
Ministry of Trade and Commerce, WTO Chair	
Professor, Central University of Kerala	
(National Level)	
National Institute of Plant Science Technology	
	Alan Thomas S:
	Best paper presentationaward at
	International seminar on emerging trends
	in organic farming and sustainable
	agriculture held at Kottayam during 29 th
	to 31 st December 2016
	Anto Joseph :
	Best paper presentation award at The
	National Seminar on Plant science
	Technology for sustainable world held at Kottayam during February 25 th -26 th 2016
	Rottayani during reordary 25 -20 2010

Appendix II (Question 24-Table II)

Name of School /Department	National & International recognition recieved by Faculty & Students
School of Chemical Sciences	 Fellow of the Royal Society of Chemistry, London, FRSC, 2012 Prof. Sabu Thomas was awarded Bronze Medal of Chemical Research Society (CRSI) of India, 2013
	 Prof. Sabu Thomas was Distinguished Professorship Award, Josef Stefan Institute, Slovenia, 2010



School of Environmental Sciences

Faculty

- 1. **Dr.C.T. Aravindakumar** has been selected as an invited member of the Oslo Governance Forum (OGF), Oslo (UNDP) 2011
- 2. **Dr.E.V.Ramasamy** has been nominated as a member of the *State Waste Management Policy Committee* by the *Local Self Government Department, Govt. of Kerala (November 14, 2012)*
- 3. **Dr. Mahesh Mohan** got the DST-SERB Fast Track Project for Young scientist
- 4. **Dr.E.V.Ramasamy** has been nominated as a member of the Special Board of Studies in Pollution Control and Environmental Engineering of Pondicherry University (October 26, 2012)
- 5. **Dr.C.T. Aravindakumar** has been selected as Visiting Professor (with full Professor status) at the University of Paris-East (Department of Geology and Environment) 2013
- 6. **Prof.C.T. Aravindakumar** has been selected as Visiting Professor at the University of Paris-East with full professor status, 2015
- 7. **Prof.C.T. Aravindakumar** has been nominated as the Governing Council member and Executive Committee member of the Kerala State Institute of Climate Change Studies-2014
- 8. **Dr.E.V.Ramasamy** has been nominated as a member of the *State Waste Management Policy Committee* by the *Local Self Government Department, Govt. of Kerala*, attended several meetings of the committee during 2014-15
- 9. **Dr.E.V.Ramasamy** has been nominated as a member of the *Technical Committee* of Suchitwa Mission, *Local Self Government Department, Govt. of Kerala*, attended several meetings of the committee during 2014-15
- 10. **Prof.C.T. Aravindakumar**, was invited as a Team Leader in Environmental Science to formulate the research policy of the Ministry of Earth Science in India's Polar Research (Arctic/Antarctic/Southern Ocean/Himalaya) for the next 10 years. The Brainstorming Meeting on *Polar Sciences and Global Water Cycle* was held at the National Centre for Antarctic and Ocean Research (NCAOR), Goa during April 13-14, 2016.
- 11. **Prof.C.T. Aravindakumar** was invited as an expert for identifying research proposals for the *India's 36th Antarctic Expedition 2016*. The workshop was held during June 9-10, 2016
- 12. **Prof.C.T. Aravindakumar** was nominated to the Expert Panel of the *Water Technology Initiative (WTI)* of the Department of Science & Technology, Govt. of India 2015
- 13. **Dr. Mahesh Mohan** was the team leader selected for the Indian Arctic Expedition (July, 2015)
- 14. **Dr. E.V.Ramasamy**, Associate Professor, has participated in the selection committee meeting of the CWRDM (Centre for Water Resources Development and Management), Kozhikode as a subject expert in the interview board for the selection of Scientist-B during July 02-03, 2015.
- 15. **Dr. E.V.Ramasamy**, Associate Professor, has participated as the member of Board of Studies for the B.Voc. Programme on Environmental Assessment and Remediation on Monday the 14th September, 2015, at Virudhunagar Hindu Nadars'; Senthikumara Nadar College, (Autonomous), Virudhunagar, Tamil Nadu.



	16. Dr E.V. Ramasamy , Associate Professor, has participated in the Technical Committee meeting for evaluating the technical presentations of the organisations who have short listed for New Technologies on 28.11.2015 at 10.30 A.M onwards at the Office of State Institute of Health and Family Welfare, Thycaud, Thiruvananthapuram, organised by Suchitwa Mission, Local Self Governance Department (LSGD), Govt. of Kerala
School of International	Faculty Dr. K.M. Seethi
Relations& Politics	1. Invited to be on the panel of the presentations at the Gulf Research meetings at the University of Cambridge in 2012, 2013 & 2016.
	2. Nominated as expert Working Group on NORKA, Kerala State Planning Board in 2016.
	3. Invited to be an expert at the ICSSR, New Delhi for reviewing International collboration projects.
	4. Serving as UGC expert of the Center for Advaced Studies (CAS), University of Hyderabad.
	Researcher
	1. Best Researcher Award in Political Science granted to Ms. Anju Lis Kurian by the Indian Political Science Association in 2014-15.
School of Letters	1. Dr. P.S Radhakrishnan received national film award (best film critic) by the Govt of India for the year 2014.
	2. Dr. Aju K N received Dr. B R Ambedkar National fellowship award by Bharateeya Dalit Sahithya Akademy, New Delhi in 2012.
School of Pure &	Dr Indulekha K
Applied Physics	1. Executive Committee Member, Square Kilometer Array India Consortium
	2. Visiting Associate, Inter University Centre for Astronomy & Astrophysics, Pune
	Dr Nandakumar Kalarikkal
	1. Visiting Fellow, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India
	2. Visiting Professor, Gulbarga University, Gulbarga, Karnataka under SAP scheme of UGC
	3. Visiting Professor, Alemaya University & Mekkele University, Ethiopia
	4. Conference Fellowship Award of the Seventh International Conference on Phonon Scattering in Condensed Matter held at Cornell University, USA
	Students
	1. Microstructure and physical properties of multiferroic hexagonal ErMnO3 thin films. The second international conference on Optoelectronic materials and Thin films for Advanced Technology (OMTAT 2013), Cochin University of Science and Technology, Cochin, January 3-5, (2013) - second position in poster presentation for Raneesh B (PhD student)
	2. Enhanced dielectric and magnetoelectric coupling in BiFeO3-NaNbO3-PVDF-TrFE films, Rehana P Ummer, Raneesh B, Laurent Badie, Didier Rouxel, Sabu Thomas and Nandakumar Kalarikkal, 15 th National Symposium on Material Science, IIT Bombay, Mumbai May 18-24 (2015) - best award for oral presentation to Ms Rehana P Ummer (PhD Student)
	DVMWVIIV)

जिसका अमृतमञ्जूते

	3.	Best paper Award in Physical Science in the 26th Kerala Science Congress held at Kerala Veterinary and Animal Science University Wayanad during 28 to 31 Jan 2014 for the paper entitled "Ultrafast optical non-linearity in CuS nanocrystal" to Ann Mary K A
	4.	Fluorescence probing Ascorbic acid by L-Cystine caped Mn ₃ O ₄ nanoparticles Best poster Presentation award to Prasanth S , in the national seminar on Photonics and Its application held at University of Kerala during Dec 9-11 2015
	5.	SPR based Fibre Optic Mercury Sensor based gold Nano particles- Best Oral presentation by Rithesh Raj at the National seminar on Advances in Crystal Growth and Nanotechnology held at CSM College Kottayam during Jan 15-16, 2016
	6.	Synthesis and Photo-luminescence Characterization of green-red emitting CaB2O4:Er3+, Li+ phosphor – Best Poster Award for Remya Mohan at the National Seminar on nano-scale Science & Technology, Devmatha College, Kuravilangad 2015
	7.	Liquid Phase Exfoliation of graphite oxide into graphene oxide quantum dot with blue photo-luminescence – Best Poster Award for El Hadji Mamour Sakho at the International Conference on Advanced Materials for Power Engineering 2015 conducted by Wroclaw Technical University & Mahatma Gandhi University 2015
School of Letters		Dr. P.S Radhakrishnan received national film award (best film critic) by the Govt of India for the year 2014.
	2.	Dr. Aju K N received Dr. B R Ambetkar National fellowship award by Bharateeya Dalit Sahithya Akademy, New Delhi in 2012.
School of Tourism Studies	1.	Dr. Robinet Jacob , Conference chair in the annual conference of International Society of Travel and Tourism Educators, Miami, USA 20-22 October, 2011
	2.	Dr. Robinet Jacob has been nominated as Member, Expert Committee for evaluating Major Research Projects (Tourism), University Grants Commission, New Delhi, July 2014
Department of Lifelong Learning and Extension	1.	Dr.K.Sabukuttan received Life time Achievement Award 2014 for promotion of yoga and Naturopathy from the Indian marital Arts Academy Thrissur, Kerala
and Extension	2.	Dr.K.Sabukuttan received Sarojini Damodar Foundation Award twice for the recognition of his service in propagating Organic Farming in 100 affiliated colleges under Mahatma Gandhi University during the year 2016 and also for the academic contributions in spreading the message of Organic Farming by starting Certificate and Diploma Courses at the University
	3.	Dr.K.Sabukuttan received Certificate of Honour for the incredible contributions in Social Service for the years 2012-13,2013-14 and 2014-15 by Kerala Action Force, Anwar Pain and Palliative Care and IMA Madhya Kerala
	4.	
	5.	Dr.K.Sabukuttan received the Best Programme Co-ordinator Award State level during the year 2013-14 and 2015-16
	6.	



	NATIONAL LEVEL
	7. Dr.K.Sabukuttan received Indira Gandhi NSS Award for the year 2013-2014 for the best NSS Programme Co-ordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee
	 Dr.K.Sabukuttan received Indira Gandhi NSS Award Certificate of Appreciation for the year 2012-2013 for the best NSS Programme Coordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee Dr.K.Sabukuttan received the IPCAI National Award for the outstanding contributions in the field of Community Organisation through National Service Scheme of Mahatma Gandhi University in November 2016.
School of Tec hnology And Applied Sciences	 Dr. K Shreekrishna Kumar, Eminent Eductionist Award for the year 2016 awarded at Indo-American Education Summit 2016, Banglore by theIndus Foundation Dr. Shreekrishna Kumar, best Civil Servant Golden Lotus Award for the year 2016 awared by the Business Digest Magazine.
IIUCNN 1. Prof. Sabu Thomas has been awarded MRSI medal, 2012.	
2. Fellowship of Royal Society of Chemistry, 2012.	
	3. Awarded Society For Educational & Scientific Research. (SESR) Nanotech Scientist Award- 2014

Appendix II (Question 24 Table III)

a) Faculty serving on the editorial boards of National and International journals

Sl. No	Name of Faculty	Details
1.	Dr. Sabu Thomas	Chief Editor
		Nano-Structures and Nano-Objects, Elsevier
		Editorial Boards:
		SM Journal of Nanotechnology and Nanomedicine
		Nano Advances
		Materials Science and Engineering
		International Journal of Advances In Engineering Research
		World Journal of Biotechnology
		Journal of Emerging Materials Technology
		Associate Editor, Bulletin of Materials Science
		• Regional Editor of the journal "Current Smart Materials".
		Editor in-Chief of Editorial Board-International Journal of Science World (IJSW)
		Editorial Member-Flat Chem, Elsevier
		• Editorial Review Board Member-International Journal of Surface Enginering and Inter disciplinary Material Science.
		Journal of Molecular and Applied Bioanalysis



2.	Dr. G Anil kumar	Editorial board member, Universal Journal of Chemistry Editorial board of Havingan Personal Publishing HSA
		Editorial board of Horizon Research Publishing, USA
3.	Dr Suresh Mathew	Editorial Board Member, Science Advanced Today
		Associate Editor, Science Letters
		 Science of Advanced Materials (SAM) –Metal Oxide Nanostructures (2010 Special Edition)
		 International Journal of Nanotechnology (Interscience) – ICAM-2008 (Special Edition)
		 Reviewer of various journals of American Chemical Society, Elsevier, Pergamann Press, Springer and Cognizure
4.	Dr. P S Sukumaran,	Member, Editorial board, Guru Journal of Behavioural and Social Sciences. ISSN:2320-9038
5.	Dr. Rajeev Kumar N	Associate Editor, Guru Journal of Behavioural and Social Sciences, ISSN:2320-9038
6.	Dr. P.T Baburaj	Editorial Board member, Culture Society and Law, ISSN: 2348-1250
7.	Dr. K. Muhammad Mustaffa	Editorial Board Member – International Research Journal in Psychology – Psychologist in Social Action.
8.	Sri. Rajesh E	 Editorial board member, Medical Science:http://medicalscience.pubmedhouse.com/Home.php Editorial board memberInternational Journal of Physiology and Pharmacology: http://nepjol.info/index.php/IJPP Editorial board member,Nepal Journal of Epidemiology: http://nepjol.info/index.php/NJE Editorial board member, International Journal of Brain
9.	Dr .J.G. Ray, School of	 Research: http://nepjol.info/index.php/IJBR Member of the Editorial Board of two international Journals:
	Biosciences	Ecology and Noosphereology • Journal of Soil Science
10.	Dr. Keerthi T.R	 Iranian Journal of Biotechnology
11.	Dr. Prakash Kumar B	 Journal of Practical Biochemistry and Biophysics
12.	Dr. E.K Radhakrishnan	 Journal of Food & Industrial Microbiology
12.	21. 2.11 Rudhust Ishhun	International Journal of Advanced Research and Review
13.	Dr. Bindu V.R.	Member, Technical Advisory Committee, International Journal "Mahatma Gandhi University International Journal on Computing and Communication (MGU IJCC)", December 2012. ISSN: 2318-8850.
14.	Dr. Anuj Mohamed	Member, Technical Advisory Committee, International Journal "Mahatma Gandhi University International
		• Journal on Computing and Communication (MGU IJCC)", December 2012. ISSN: 2318-8850.



15.	Dr. R. Vijayakumar	Editor, International Journal "Mahatma Gandhi University International Journal on Computing and Communication (MGU IJCC)", December 2012. ISSN: 2318-8850.
16.	Dr. C.T. Aravindakumar	International Journal of Chemistry (ISSN: 2249-2119)
17.	Dr. M. S. John	Chief Editor – Gandhi Marg
18.	Dr. Sheeba Pillai	Journal of Law and Legal Jurisprudential Studies
19.	Dr Rajeesh A.P.	Journal of Law and Legal Jurisprudential Studies
20.	Dr. K M Krishnan	Journal of Chinmaya Research Foundation.
21.	Dr. Aju K N	Journal of Association for Comparative Studies as well as on the Editorial Board of <i>Bhoomi Malayalam</i> , a journal published by UC College
22.	Dr. Johney Johnson	Member of Review Panel , Amity Journal of Management Research (AJMR) published by Amity University, Noida, India (2015-present)
23.	Dr. Celine Pereira	Former Associate Editor of the Peer Reviewed Journal in Education of the School of Pedagogical Sciences, PEDAGOGICS having ISSN 2229-7618
24.	Dr. T.V. Thulasidharan	Editorial Board Member of the journal of Farook Training College, ENDEAVOURS IN EDUCATION having ISSN 0976-4275
		Editorial Board Member of the International Bi-Annual Peer Reviewed Journal in Education RESEARCH DEMAGOGUE
		Former Associate Editor of the Peer Reviewed Journal in Education of the Institute of Advanced Studies in Education, Thrissur, ACADEMIA
25.	Dr. Minikutty A	Associate Editor of the Peer Reviewed Journal in Education of the School of Pedagogical Sciences, PEDAGOGICS having ISSN 2229-7618
26.	Dr. Sajna Jaleel	Editorial Board Member of the International Journal, UJER
		Editorial Board Member of the International Journal, UJER
27.	Dr. Binu George Varghese	Editorial board member, Pesquia Online Research Journal ISSN 2456-4052, www.pesquisaonline.net
28.	Dr. K.M Seethi	 Editor, South Asian Journal of diplomacay (ISSN 2229-3361) Editor, Indian Journal of Poltics and International Relations (ISNN 0973-5011) Editor, Journal of Poltical Economy and Fiscal Fedaralism, 2015 (ISNN 2395-6976)



$\label{eq:Appendix II (Question 24 Table IV)} Appendix II (Question 24 Table IV)$ Faculty serving as Reviewers:

Sl.No.	Name of the faculty	Journal Name
1.	Dr K Indulekha	Journal of Astrophysics & Astronomy
3.	Dr C Sudarsanakumar Dr N VUnnikrishnan	 Material Science in Semiconductor Processing Chinese Optics Letters Optics Communication Journal of Molecular Modelling HSOA Journal of Infectious and Non-infectious Diseases. Journal of non-crystalline solids Materials letters Journal of analytical and applied pyrolysis Journal of luminescence Physica b: physics of condensed matter Optical materials
		 Materials chemistry and physics Advances in chemistry and material science Materials science and engineering Applied surface science International journal of biochemistry and biotechnology Journal of modern optics Journal of the chemical society of Pakistan Journal of optoelectronics and advanced materials The journal of physical chemistry Journal of physics and chemistry of solids Journal of sol-gel science and technology Journal of theoretical and applied physics Journal of material processing technology Materials science in semiconductor processing Optics communications Spectrochimicaacta part a: molecular and biomolecular spectroscopy Scientific research and essays Journal of alloys and compounds Materials research bulletin Applied optics
4.	Dr. Nandakumar Kalarikkal	 RSC Advances Journal of Sol-Gel Science and Technology Journal of Materials Science Journal of Magnetism and Magnetic Materials Solid State Sciences Journal of Industrial Textiles Colloids and Surfaces A: Physicochemical and Engineering Aspects
5.	Dr Cyriac Joseph	 Reviewer for Journal of Crystal Growth Journal of Physics and Chemistry of Solids Journal of Luminescence



		• Dyesand Pigments
		Optical Materials
		• Luminescence
		New Journal of Chemistry This Solid Films Souther himits Acta
_		Thin Solid Films Spectrochimica Acta
6.	Dr P R Biju	Journal of Luminescence
		Journal of electronic Materials
		Journal of Alloys and Compounds
		Journal of Optical Materials
		Journal of Material Science and Engineering E
7.	Prof. Sabu Thomas	Journal of the American Chemical Society,
		Macromolecules
		Journal of Applied Polymer Science
		Composites Science and Technology
		Journal of Thermal Analysis
		 Polymers and Polymer Composites
		• Polymer
		Soft Matter
		• Journal. of Polymer Science Part B: Polymer Physics
		Composites Part A & Part B
		Polymer Composites
		Polymer Engineering and Science
		European Polymer Journal
		Journal of Materials Science
		Langmuir
		Applied Clay Science
		RSC advances
		Biomacromolecules
		Industrial crops and products
		ACS Applied Materials and Interface
		ACS Sustainable Chemistry and Engineering
		Journal of Physical Chemistry, A, B and C
		Macroletters
		Naturematerils
8.	Dr Beena Mathew	 Reviewer of various of journals of Wiley, Elsevier, Taylor & Francis, and Springer Publishers
9.	Dr. Raju Francis	Reviewer of research articles for ACS, WILEY and Elsevier journal
10.	Dr KS Devaky	Reviewer of various of journals of Biosynthesis
11.	Dr. Jayachandran K	Reviewer of Projects, KSCSTE- reviewer of Back to Lab
		programe of KSCSTE
		Reviewer of Journals- 3 biotech, Bioresource technology
12.	Dr. P S Sukumaran	Review board member, Journal of Disability Management and Special Education. ISSN 2229-5143
		Review board member, Disability, CBR, and Inclusive
		Development
13.	Dr. E.M Afsal	Member of Review Panel, Journal of Applied Economics published by The University of Warwick, United Kingdom



		 (2009- present Member of Review Panel, Advances in Economics and Business published by Horizon Research Publishing, USA (2014-present) Member of Review Panel, Amity Journal of Management Research (AJMR) published by Amity University, Noida, India (2016-present)
14.	Dr. K.M. Seethi	Reviewer, Millenium, Journal of London School of Ecnomics.
		Reviewer, Economic and Political Weekly.
		Reviewer, Oxford University Press.

Question 24 TABLE V

Faculty serving as members of steering committees of international conferences recognized by reputed organizations/societies

Tecognized by Teputed organizations/societies			
Name of Faculty	Details of the conference		
Prof. Sabu Thomas	1. International Conference on Understanding Contemporary India, ICCS, Mahatma Gandhi University, January 2016		
	2. International Conference on Advances in applied Mathematics, Materials Science and Nanotechnology for Engineering and Industrial application.IC-AMMA-2K16, Federal institute of science and Technology (FISAT)-January 2016		
	3. INTER ISLAMIC NETWORK ON SCIENCE AND TECHNOLOGY PARKS(INSTP) AND THE OIC Standing Committee on Scientific and Technological cooperation (COMSTECH),IRAN Guilan, Iran.(2015 December)		
	4. 8th International Conference on Materials for Advanced Technologies of the Materials Society of Singapore and 16th IUMRS - International Conference in Asia together with 4th Photonics Conference 2015		
	5. 9th National Affinity Techniques Symposium" (AFFTECH 2015); "4th Nanomedicine World Congress (NANOMED 2015)" and "2nd International NanoBioTechnology Symposium" focusing also Nanomedicine (NANOBIOTECH 2015), Dalaman, Turkey & AFFTECH 20152015, August		
	6. "XXI IUPAC CHEMRAWN - Solid Urban Waste Management, Rome, Italy.,- April,2016		
	7. The International Rubber Conference 2016 Kitakyushu, Japan (IRC2016 Kitakyushu)- 2016 October		
Dr. Nandakumar Kalarikkal	1. INTER ISLAMIC NETWORK ON SCIENCE AND TECHNOLOGY PARKS(INSTP) AND THE OIC Standing Committee on Scientific and Technological cooperation (COMSTECH),IRAN		
	2. International Conference on Energy Harvesting Storage and Conversion (IC-EEE 2015, Cochin University of Science and Technology, Cochin, Feb 2015.		



Appendix III (Question 25)

Outstanding Performance in sports/cultural activites in national level

ARJUNA AWARDEES OF MGU		
1	Smt. Preeja Sreedharan - Athletics	2011
2	Smt. Geethu Anna Jose - Basketball	2014

OLYMPIANS FROM MGU		
1	Smt. Anilda Thomas - Athletics	2016
2	Smt. O. P. Jaisha - Athletics	2016
3	Sri. Gopi T. – Athletics	2016
4	Sri. Jinson Johnson - Athletics	2016

ASIAN GAMES ATHLETES PRODUCED BY MGU			
1	SRI. Jinson Jhonson - Athletics	2014	
2	Smt. Rekha S - Volleyball	2014	
3	Smt. Fathima Ruksana - Volleyball	2014	

INTERNATIONAL SPORTS PERSONS FROM MGU			
1	Smt. Anu R	Athletics	2015
2	Smt. Saneesha E P	Athletics	2015
3	Smt. Poojamol K S	Basketball	2014
4	Smt. Vinaya Joseph	Basketball	2014
5	Smt. Rekha S	Volleyball	2013
6	Smt. Renjini C.A	Handball	2013
7	Smt. Aswathy E	Volleyball	2012
8	Smt. Thanu Mathew	Handball	2012
9	Smt. Maria Ronny	Table Tennis	2011
10	Sri. Arjun M R	Badminton	2011
11	Sri. Shyam Prasad	Badminton	2011
12	Sri. Arun George	Badminton	2011
13	Smt. Reshmi Bose	Athletics	2010
14	Smt. Megha Merin Mathew	Badminton	2010
15	Smt. Fathima Ruksana	Volleyball	2010
16	Smt. Smisha K.S.	Volleyball	2010



PARTICIPATION AT WORLD UNIVERSITY CHAMPIONSHIP			
1	Sri. Rijas Mohammed	Volleyball	2015
2	Sri. Dilshad K	Badminton	2014
3	Sri. Suraj P H	Badminton	2014
4	Smt. Megah Merin Mathew	Badminton	2013
5	Smt. Arathy Sara Sunil	Badminton	2013
6	Smt. Sheena P.V	Athletics	2013
7	Sri. Jeris Jose	Athletics	2013

RANJI TROPHY PLAYERS PRODUCED BY MGU		
1	Sri. Jafar Jamal	2015
2	Sri. Salman Mohammed	2015
3	Sri. Muhammed Azharudeen	2013
4	Sri. Sachin Baby	2012

PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2010-11			
1	Volleyball (W)	AIIU	First
2	Cross Country (W)	AIIU	Third
3	Badminton (W)	AIIU	Third
4	Athletics (M)	AIIU	Third

PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2011-12			
1	Cross Country (W)	AIIU	First
2	Badminton	AIIU	First
3	Athletics (M&W)	AIIU	Second
4	Handball (W)	South Zone	First
5	Volleyball (W)	South Zone	Second
6	Basketball (W)	South Zone	Third
7	Badminton (M)	South Zone	Second
8	Table Tennis (M)	South Zone	Third

PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2012-13			
Badminton (W)	AIIU	First	
Athletics (W)	AIIU	First	
Athletics (M)	AIIU	Second	
Volleyball (W)	AIIU	Third	
Handball (W)	South Zone	Second	
Hockey (W)	South Zone	Third	



PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2013-14			
1	Athletics (W)	AIIU	First
2	Badminton(W)	AIIU	First
3	Badminton (M)	AIIU	First
4	Volleyball (W)	AIIU	Second
5	Football (M)	AIIU	Second
6	Basketball (W)	AIIU	Third
7	Handball (W)	South Zone	First

PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2014-15			
1	Cross Country (W)	AIIU	First
2	Badminton	AIIU	First
3	Athletics (W)	AIIU	First
4	Volleyball (W)	AIIU	First
5	Badminton (M)	AIIU	Second
6	Basketball (W)	AIIU	Third

PERFORMANCE OF MGU TEAM IN INTER UNIVERSITY CHAMPIONSHIPS 2015-16			
1	Athletics (W)	AIIU	First
2	Athletics (M)	AIIU	Second
3	Volleyball (W)	AIIU	Third
4	Badminton (M)	AIIU	Third
5	Table Tennis (W)	South Zone	First
6	Handball (W)	South Zone	Third

INDIRA GANDHI AWARD 2014-15

Mahatma Gandhi University National Service Scheme volunteer Manoj George of Baselius College, Kottayam & Aiswarya Lakshmi. R of Alphonsa College, Pala received Indira Gandhi National Service Scheme Best Volunteer Award 2014-15 from the Hon'ble President of India Sri. Pranab Kumar Mukherjee.



Appendix IV (Question-50)

Projection of successful Innovative Practices:

Academic Initiatives and Innovations

- As a new innovative initiative of the university, School of Tourism Studies, a regular statutory department was established in 2010 for skill development in the areas of tourism, hospitality and aviation. It also conducts fundamental and applied interdisciplinary research in key areas like tourism resource mapping, destination development, visitor management systems and development of innovative travel related solutions.
- Under School of Behavioural Sciences, Inter University centre for Disability Studies was started in the year 2010. Institute of Research in Learning Disabilities was started in the year 2014. The Department of Indian Sign Language also was started in the year 2015 to train young professionals who can interpret and communicate in Indian Sign Language.
- Inter University centre for Social Science Research and Extension (IUSSRE) was established in 2010. This centre has been conceived as an interdisciplinary centre of excellence for Social Science research and extension. The centre comprises of the major interdisciplinary areas of emerging social importance in the context of globalization.
- Centre for High Performance Computing was established in 2010. This centre provides facility for efficient scientific computing for interdisciplinary research. The centre focuses on open access programs for the use of all.
- Inter University Centre for Biomedical Research and Super Speciality Hospital (IUCBR & SSH) was established in 2010. This Centre envisions transforming scientific breakthroughs into accurate diagnostic measures and into life-saving treatments for patients. The Centre has plans to establish a super-specialty hospital in the second phase with facilities to deal with emerging threats of viral, bacterial and other infectious diseases, immunity crisis, geriatric issues, developmental disabilities, infection and inflammation, the ageing body and brain, mitochondria & neurodegenerative diseases, brain injury and repair, mental health, metabolism, endocrinology and general health. Population health science; transplantation and regenerative medicine; genomics, children and women's health are the long-term priorities of the institute.
- Inter University Instrumentation Centre (IUIC) was established in 2011. This centre has been set up to serve the research communities in all the universities in Kerala by initiating advanced level research in various interdisciplinary areas which require state-of-the-art equipment facilities. This centre has acquired state of the art facilities from the Department of Science and Technology for characterization of materials.
- University Centre for International Co-operation (UCIC) was established in 2011. The main objective of this centre has been to explore the ways and means that shall facilitate international student's admission, collaborative teaching, research and outreach programmes with reputed institutions from abroad etc.
- Institute of Contemporary Chinese Studies (ICCS) was established in 2011.
- KN Raj Study Centre for Planning and Centre-State Financial Relations was established in 2011 and has started MA (Economics) programme.



- Advanced Molecular Materials Research Centre (AMMRC) was established in 2012 to perform advanced scientific research for the development of molecular devices.
- National institute of Plant Science Technology (NIPST) was established in 2012 to make advanced studies and research in the areas of plant science and plant based eco technologies.
- Inter University centre for Studies in Science of Music (IUCSSM) was established in 2012. This centre has been envisaged as an advanced research centre in the field of music and science, including specialists in the area of music cognition and evolution.
- Centre for Yoga and Naturopathy (CYN) was established in 2015 and is conceived as a centre for alternative medicinal systems and holistic health.
- Inter University Centre for Organic Farming and Sustainable Agriculture (IUCOFSA) was established in 2016. This centre has been established to encourage and promote development of organic farming and sustainable agriculture in the country.
- Business Innovation and Incubation Centre (BIIC) was established in 2016. The main aim
 of BIIC is to kindle the entrepreneurial spirit of youth and provide customized support to
 early stage business ideas with high growth potential amply supported by a patent cell. It
 also aims to become a hub for innovation activities facilitating and guiding development
 of ideas into innovative applications that can benefit society directly.
- Introduced M Phil in Disability Studies in Inter University Centre for Disability Studies in the year 2011-12 to promote interdisciplinary research in the area of disability rehabilitation.
- Introduced M.Tech in Computer Science with specialization in Communication and Network Technology in 2012 and MPhil in Computer Science in 2015.
- As a specialisation in the area of Chemical Sciences, a full-fledged M.Tech programme in the domain of Polymer Science and Technology was introduced in the School of Chemical Sciences in the year 2012-13. This programme was designed to create trained manpower in the area of Polymer Science and Technology.
- Integrated master-PhD programme was started in School of Chemical Sciences and International and Interuniversity Centre for Nanoscience and Nanotechnology.
- Setting up of Music Research Centre at Inter University Centre for Studies in Science of Music (IUCSSM) at a cost of Rs. 1.15 crores.
- School of International Relations and Politics started a summer school in Public Policy and Governance. The School also held a Young Scholars Conference in 2014 inviting young researchers from universities outside Kerala.
- The University has initiated an ambitious pioneering project to construct a Science Park in the campus. The Science Park will house chemistry, biology, nanoscience, organic farming, computer science and other science and general purpose laboratories. These facilities will provide the perfect environment for start-up science and technology businesses to conduct commercially oriented R&D and bring new products and services to the market. It is to satisfy the demand for smaller start-up companies for a business environment which includes meeting and conference rooms, desk facilities etc.



• The university has decided to introduce transmission of question papers online to its affiliated colleges to ensure fast and prompt completion of examinations.

Other Innovative Measures

- Through Erudite Professorship, MG University could bring a large number of outstanding professors (60 numbers) from different parts of the world to interact with faculty and students and the public. These include 7 Nobel laureates and other leading academics in science, engineering, technology and social sciences from all the continents. These visits helped the students and faculty to interact with outstanding professors. The university could also make good academic networking with all these faculties leading to many joint publications.
- The University has introduced multidisciplinary e journalwww.mguejournal.wordpress.com.
- Collaboration for academic, research and extension programmes with a number of national agencies and institutions including the UGC (DRS, CAS, DSA), DST (FIST), ICSSR, ISRO, KSCSTE, CSIR, DAAD, DIT, DRNS, DRDO, ICMR, BARC, MOEF, ICCR, ICHR, IED, IIFT, Institute of Chinese Studies and the Sahitya Academy.
- Academic collaboration with research institutions of international reputation such as the Max Planck Institute for Light, Leibnitz Institute for Polymer Research Dresden of Germany, University of Nantes, University of Strasbourg, University of Nancy, University of Paris Twelve, University of South Brittany of France, California Institute of Technology, USA, University of Toronto, Canada, Catholic University, Belgium, Heidelberg University, Germany and the Institute of Political Studies, Rennes, France, Brown University, University of Wisconsin-Parkside, Duke University, Jinan National University, China, Plymouth State University of USA, Ben-Gurion University, Israel and Technical University Denmark.
- An extension programme on 'Rain Water for Humanity' was started in collaboration with Brown University (USA) through which about 25 rainwater harvesting structures have been successfully installed which are managed through community participation. Based on the success of this programme, the school of Environmental Sciences has received Indo- US collaborative funding project of UGC 'Obama -Singh 21st century Knowledge Initiative 'for further research and for establishing more cost effective rainwater harvesting structures and on sustainable sanitation suitable to this region.
- Through a new collaborative project on sustainable sanitation, the school of Environmental Sciences has acquired a 'Self-Contained, PV-Powered Domestic Toilet and Wastewater Treatment System' from California Institute of Technology, USA. This system purifies the water by removing the bacteria and other organic pollutants and the recycled water could be used for further flushing.
- The School has recently installed a weather station which can measure all basic ambient atmospheric parameters continuously. The system can store all these data for future work. This portable system can be taken to the field for in-situ measurements which can substantiate the research work. The system is used for teaching wind patterns, temperature, humidity and rainfall variations in the local region. The wind data generated by the system is helpful in generating windrose diagrams etc. The system is also helpful in understanding the basic and latest measuring methods for climatic parameters.



- Advanced centre of Environmental Studies and Sustainable Development (an Inter University Centre) initiated inter-disciplinary research in areas like climate change, green technology, pollution studies, human ecology and tribal studies, bio diversity and sustainable development. The Centre is a partner of 'Obama-Singh 21st Century Knowledge Initiative' collaborating with Duke University and Plymouth State University, USA for sustainable development programmes.
- Library has introduced anti-plagiarism software to prevent copying of research output and theft of intellectual property.
- In addition to digitization of thesis, e-resources and open source resources have been extended through both campus-wide and remote access to students, research scholars and teachers.
- New linkages have been established via national endeavours in multi-national projects like India TMT (Thirty Meter Telescope) Project (DST) and the Square Kilometre Array India Consortium (DAE) with participation of students and faculty in science development.
- Archaeological studies with the help of an archaeological museum which has a large number of objects belonging to Paleolithic, Mesolithic, Neolithic, Megalithic and Medieval periods in the School of Social Sciences. The artifacts include Potteries: redware, blackware, black and red ware, rouletedware, Chinese and glazed Islamic ware, burial urns, iron implements, beads, coins, inscriptions, granite sculptures etc. Student participation in excavation of archaeological sites is a part of history teaching-learning methodology.
- Consultancy Services were carried out by various schools and centres (1) to improve the production quality (2) to fabricate advanced materials from natural resources (3) to give value addition to the existing products and (4) sharing of lab facilities eg. Water quality testing for the general public.
- Psychometric tests for assessment of aptitudes and mentoring of students in various schools to make them goal oriented.
- Group student projects on topics of social relevance undertaken using a problem based learning approach in various schools has shown outstanding results due to its impact and influence on local community, decisions of policy makers etc.
- Semester plan A pre-planned academic calendar for all the working days of every semester ensures academic planning and timely execution and is followed in School of Tourism Studies. Lesson plan system for each course optimizes efficiency of learning through effective course management and is another major facet.
- Selection of "Luminary" The best outgoing student through a six tier selection procedure is followed in School of Tourism Studies.
- Travel Grant to students to undertake projects abroad.
- Fifty Seven international and national conferences were organised by the University for the Dissemination of knowledge in various domains.
- Memorandum of Understanding with 18 international and 6 national institutions and companies for research and development.



- MOOC programme was organised by School of Environmental Sciences and International and Inter University Centre for Nanoscience and Nanotechnology.
- Inter University Centre for Nanoscience and Nanotechnology was proclaimed as an International Centre by the Government of Kerala based on its outstanding performance during 2013-14.
- Brainstorming discussion meetings have been held in the international conferences at the International and Inter University Centre for Nanoscience and Nanotechnology for the submission of joint research projects between India and rest of the world under Horizon 2020 and other bilateral projects between DST/DBT/UGC of India and the rest of the world.
- Student exchange programmes, both inbound and outbound have been undertaken on a regular basis at the master and PhD level at the Inter University Centre for Nanoscience and Nanotechnology. As a result of this, students of the Centre could travel to USA, Canada, Argentina, Brazil, Poland, Belgium, Czech Republic, Slovenia, Slovakia, Italy, Portugal, Spain, Austria, Switzerland, Sweden, Finland, South Africa, Australia, New Zealand, Japan, China, South Korea, Singapore, Malaysia, Hong Kong, Nepal and Russia.
- Annual Meet to honour the PhD holders who obtained the degree during the year. The first such meet was held on 28/05/2016 where medals and certificates were distributed.
- An interface meeting between publishers and faculty and research scholars of the university was organised by the IQAC to promote publishing of research output with reputed international publishers.

Technological Innovations

All the University teaching departments have adequate computing facilities for catering to their academic and administrative requirements. The university network enables access to all the online journals and research articles subscribed by the University Library. Student Web Centre ensures general computing facilities in the campus. Specific computer labs for enhancing computer skills, language skills, soft skills etc. are also part of the computing infrastructure. The major technological innovations are

- Received funds for introducing Smart Class Rooms in eleven teaching departments to offer video conferencing facilities.
- Public Portal facility
- Wi-Fi Campus
- Campus wide OFC Network
- e-Tender for Transparency
- MOOC programmes and Web casting of Lectures
- Online single window admission through Centralized Allotment Process (CAP) which made it paperless. This admission process made the system more transparent and the principles of social justice, inclusiveness and equity could be introduced.
- Digitization in examination management system introduced in Pareeksha Bhavan.
- Official e-mail account made available to all teaching Staff.
- SMS communication for faster delivery of services



- Use of KOHA library management software in Central Library and in teaching departments.
- E-grants system for processing of grant/Fellowship applications of SC and ST students.

Others

- Biometric punching has been introduced for the staff to ensure transparency and punctuality in attendance system.
- The process of selection of non-teaching staff was handed over to the Kerala Public Service Commission which ensured selection of best candidates through greater transparency.
- A newly built day care centre is being run for the children of university staff.
- Single window system has been introduced for the submission of project proposals by faculty members.
- The money released from the external funded projects has been released to the principal investigators on a fast track basis.
- Submission of audited statement of accounts of projects is done through a fast track process by the university.
- The university has ensured a barrier free environment in the campus through construction of ramps, accessible toilets, preferential parking slots etc.
- The university has earmarked two seats for meritorious sportspersons for each course at under graduate level and one seat for each course at post graduate level.
- The university has instituted Sports grace marks to a maximum of 25% for participation in sports and for their achievements at various levels of competitions.

Ongoing Innovative Plans in Different Stages

- The university has initiated plans at a cost of Rs. 2500 lakes to have a Wi-Fi enabled ecampus to enable online access to all statutory departments, inter university and inter school centres and affiliated colleges to facilitate online academic programmes through
- 1. Procurement of 10 TB server and other computer hardware and software.
- 2. Establishment of Wi-Fi facility in the campus
- 3. Establishment of e learning and support centre
- 4. Establishment of a digital content management system
- Installation of solar power plant system for power generation during day time at a cost of Rs. 3500 lakhs. This initiative will solve the electricity problems and frequent power cuts in the campus and the campus will become more green.
- Establishment of digitising facility in the university library.
- Setting up of Digital Content Creation Lab.