



MAHATMA GANDHI UNIVERSITY



Mahatma Gandhi University
Priyadarsini Hills P. O.
Kottayam, Kerala - 686560

(Re-accredited by NAAC with A Grade)

**7.2 Institutional Values and Social
Responsibilities-
Best Practice 1**

Best Practice 1

Research Translation and Start-up Ecosystem

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Research Translation and Start-up Ecosystem

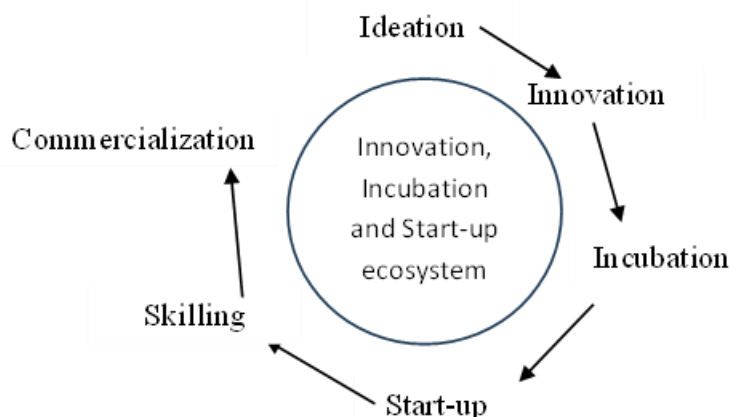
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Research Translation and Start-up Ecosystem

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Title of the Practice:

Research Translation and Start-up Ecosystem



The landscape of higher education has witnessed a paradigm shift in recent years, with an increasing emphasis on research, consultancy, and innovation as key drivers of academic excellence and global recognition. In this dynamic context, our institution has emerged as a frontrunner, solidifying its position on both national and international stages. Mahatma Gandhi University established a vibrant innovation system and a better University-Industry linkage with a vision to synergize the triadic relationship of academia-industry-government for building better innovation system and enabling knowledge flow across different discipline of knowledge with specific objectives of develop an ecosystem to nurture innovation and entrepreneurship, To incubate and accelerate start-ups and enterprises through networking as per the national demand and to mediate the industry-academia interaction for the benefit of society.

In the realm of academic rankings, our university's prowess shines brightly. Noteworthy accolades include its standing in renowned global rankings such as the Times Higher Education (THE) World Ranking, the Asian University Ranking, the Young University Ranking, the Emerging Economy University Ranking 2022, and the National Institutional Ranking Framework (NIRF). It is the confluence of exceptional achievements in research, consultancy, and innovation that has propelled us to the upper echelons of academic recognition.

A critical analysis of our university's position in the ranking reveals the multifaceted nature of its research-related accomplishments. The research score of 31.5 serves as a testament to the unwavering dedication of our academic community in pushing the boundaries of knowledge. Our remarkable citations score of 58.1 signifies the widespread impact of our research output, a beacon of excellence that illuminates the global scholarly landscape. Furthermore, the industry income score of 37.9 underscores our commitment to translating research into tangible solutions that benefit society at large. The international outlook score of 21.9 reflects our institution's cosmopolitan ethos, fostering collaboration and knowledge exchange on a global scale.

Title of the Practice:

Research Translation and Start-up Ecosystem

Central to our research and innovation enterprise is the H-Index, a powerful metric that quantifies the impact of our scholarly output. A H-Index of 1397 at the global level, 431 in Asia, and 58 in India solidify our stature as a prolific research institution. This numerical representation is mirrored in the invaluable contributions of our top-ranking scientists, who stand at an impressive 10 (20% of the global benchmark). Their work reverberates across disciplines and geographies, reaffirming our university's commitment to advancing knowledge for the betterment of humanity.

In order to foster a vibrant innovation system and a better University-Industry linkage cut across all the disciplines of studies in the University. BIIC collaborates with KADS –PCL (Farmers' Society, Kerala Agri Development And Sustainable Producer Company Limited, KADS-PCL, Thodupuzha), NIFTEM (National Institute Of Food Technology Entrepreneurship And Management, NIFTEM, Haryana), Agro-Biotech Research Centre Limited, ABTEC, Kottayam and Confederation of Indian Industry (CII). BIIC support to access the University infrastructure distributed across the various Schools/Departments/Centers as per the start-up policy, which enables all Schools and department to collaborate with BIIC to the specific objectives of triadic relationship of University, Industry and government.

Mahatma Gandhi University Kerala Rankings - AD Scientific Index 2023

Edit / Add / Institutional Submissions

Success Documents/Visuals of the Institution



UNIVERSITY DETAILS

Other Names
മഹാത്മാഗാന്ധി സർവകലാശാല

Region

| Mahatma Gandhi University Kerala Ranking According to | # in 17751 All Universities in World | # in 9639 All Universities in Asia | # in 3554 All Universities in India |
|---|--------------------------------------|------------------------------------|-------------------------------------|
| Total H index | 1691 | 507 | 70 |
| Last 6 years H index | 1397 | 431 | 58 |
| Total i10 index | 1251 | 377 | 58 |
| Last 6 years i10 index | 1414 | 456 | 67 |
| Total Citations | 1741 | 511 | 76 |
| Last 6 years Citations | 1434 | 432 | 62 |

| Mahatma Gandhi University Kerala Ranking According to | # in 9762 All Public Universities in World | # in 4721 Public Universities in Asia | # in 1766 Public Universities in India |
|---|--|---------------------------------------|--|
| Total H index | 1400 | 406 | 63 |
| Last 6 years H index | 1190 | 362 | 52 |
| Total i10 index | 1062 | 305 | 47 |
| Last 6 years i10 index | 1205 | 374 | 58 |
| Total Citations | 1405 | 405 | 64 |
| Last 6 years Citations | 1200 | 358 | 52 |

UNIVERSITY DETAILS

Other Names
മഹാത്മാഗാന്ധി സർവകലാശാല

Region
Asia

Country
India

City
Kottayam

City Population
136812

Founded
1983

Sources of Funding
Public

Motto
Vidyay āmritamaṣṇute

| Mahatma Gandhi University Kerala Ranking According to | # in 9762 All Public Universities in World | # in 4721 Public Universities in Asia | # in 1766 Public Universities in India |
|---|--|---------------------------------------|--|
| Total H index | 1400 | 406 | 63 |
| Last 6 years H index | 1190 | 362 | 52 |
| Total i10 index | 1062 | 305 | 47 |
| Last 6 years i10 index | 1205 | 374 | 58 |
| Total Citations | 1405 | 405 | 64 |
| Last 6 years Citations | 1200 | 358 | 52 |

| Mahatma Gandhi University Kerala Ranking According to | # in 22382 universities / institutions in World | # in 10875 universities / institutions in Asia | # in 3790 universities / institutions in India |
|---|---|--|--|
| Total H index | 2571 | 666 | 98 |

Detailed report:

<https://www.adscientificindex.com/university/Mahatma+Gandhi+University+Kerala/>

ഗവേഷണം വെറുതേയല്ല; ദാ പിടിച്ചോ, ഉത്പന്നങ്ങൾ യുവസംരംഭകരെ വാർത്തെടുത്ത് എം.ജി. സർവകലാശാല

ഹരി ആർ. ഫിഷെരി

കേന്ദ്രം
 • ലൈബ്രറിയിൽ ഫയലുകളാക്കി സൂക്ഷിക്കാനുള്ള ഗവേഷണഫയലാണ് തെളിയിക്കുകയാണ് മഹാത്മാഗാന്ധി സർവകലാശാല. ഗവേഷണഫയലുകൾ വളർച്ചയ്ക്ക് ഉതകുന്നതിനായിലഭിക്കിയവസരംകേരള വാർത്തെടുക്കുകയാണ് ക്യാമ്പസിൽ പ്രവർത്തിക്കുന്ന ബിസിനസ് ഇന്നൊവേഷൻ ആൻഡ് ഇൻക്യുബേഷൻ സെന്റർ. മൂന്നു വർഷത്തിനിടെ ഇവിടെനിന്ന് 26 പേര് അപേക്ഷ ഫയലിലെല്ലെ, വെബ് ചാൻസലർ പ്രൊഫ. സാബു തോമസ്, ഓഫീസിൽ തരംങ്ങളെ തടയുന്ന ഡോളർ സെയ്കൽ, വികസിപ്പിച്ചെടുത്തിരുന്നു. ഇതിൽ പേര് കിട്ടി അദ്ദേഹത്തെ, പ്രകൃതിയെ ഹൈബർ, വ്യാവസായിക ആവശ്യത്തിന് പ്രയോജനപ്പെടുത്തുന്ന സാങ്കേതികവിദ്യയും വികസിപ്പിച്ചെടുത്തു.
 പ്രൊ. വെബ് ചാൻസലർ പ്രൊഫസർ സി.ടി. അരവിന്ദകൃഷ്ണൻ, പഴയ കോളേജ് തടയുന്ന, പരിസ്ഥിതി സൗഹൃദമായ ആവാസം കണ്ടെത്തി.



മഹാത്മാഗാന്ധി സർവകലാശാല ബിസിനസ് ഇന്നൊവേഷൻ ആൻഡ് ഇൻക്യുബേഷൻ സെന്ററിൽ അപേക്ഷകൾ ഗവേഷകർ വിറ്റുപിടിച്ചു.

- കാർഷികവരുത്തിന് നാനോപവർ
 ചെടികളുടെ പ്രതിരോധശേഷി കൂട്ടുന്ന ഒരു വളമായ നാനോപവർ വികസിപ്പിച്ചു. ഡോ. ഇ.കെ. രാധാകൃഷ്ണൻ, കൃഷിയിൽ കൃഷിക്കാർക്ക് എണ്ണിപ്പുറം തേച്ചെടുത്തിൽ സ്വയം ഓഫ് സയൻസിലാണ് ഇത് വികസിപ്പിച്ചത്.
- ഫുട്ട്സ്പ്രിംഗ് യാനുവായുധം
 പഴുതിയെടുത്ത ഓട്ടത്തിലെ ഹൈബർ

വേർതിരിച്ചെടുത്ത് ക്ഷേത്രംകൊടുക്കുന്ന ബിസ്നസ് സ്കൂളിലാണ് ഫുട്ട്സ്പ്രിംഗ്. പ്രതിരോധശേഷി വർദ്ധിപ്പിക്കാനും കൂടുതൽസംരംഭകരെ തയ്യാറാക്കാനും പ്രയോജനപ്പെടും.
 ബി.ടെക്. ബയോടെക്നോളജി വിദ്യാർത്ഥിനി കൃഷിയിൽ ശിവാനന്ദൻ ഗവേഷണഫയലാണ്.
 യാനുവായുധം പുറത്തെ ആവരണത്തിൽ നിന്ന് യുവാക്കളെ സംരക്ഷിക്കാനാണ് ഫുട്ട്സ്പ്രിംഗ്. ബിസിനസ് ഇന്നൊവേഷൻ പ്രതിരോധിക്കുന്നതിന് ഉത്തമമാണിത്. എം.എസ്.സി.ബയോടെക്നോളജി വിദ്യാർത്ഥിനി അമ്മ നായരുടെ ഗവേഷണഫയലാണ്.

- പുക്കൾ വാടിപ്പു
 വെടികളുടെ അണ്ണും പൂവും മീറ്റർകൊണ്ട് കോടിക്കണക്കിന് സൂക്ഷിക്കാനുള്ള കൈമാറ്റം നിർമ്മിക്കാനാണ് കെ. കൃഷ്ണൻ, ആർ.സി.പി. വിജയൻ, വികസിപ്പിച്ചത്.
- പൊതിയാൻ പ്ലാസ്റ്റിക് വേണ്ട
 ക്ഷേത്രവസ്തുക്കളുടെ പാസ്റ്റിക് വിവിധ പാർട്ടികൾക്കും വികസിപ്പിച്ചു. പ്രകൃതിസൗഹൃദമായ നാനോ കോംപോസിറ്റ് വികസിപ്പിച്ചു. ആലി

രഹാറന്, മേരി തെരേസാ എന്നിവർ ചേർന്നാണ് വികസിപ്പിച്ചത്. കെ.പി. ശാന്ത, കെ. കൃഷ്ണൻ എന്നിവർ ചേർന്ന് രൂപം നൽകിയ പാക്കേജിന് പാർട്ടി, ക്ഷേത്രംകൊടുക്കാനും പ്രത്യേകം ക്ഷേത്രംകൊടുക്കാനും നിർമ്മിക്കാനും സാഹായ്യം ലഭിക്കാൻ സാധിക്കുന്ന പാക്കേജിന് വസ്തു കൃഷി ആർ.പി.കൃഷ്ണൻ, കണ്ടെത്തി. വളർച്ചയ്ക്കായി നിന്ന് വികസിപ്പിച്ചെടുത്തതാണ് മറ്റൊന്ന്. ബിസി ടെക്നോളജി, വെബ് വീജ് എന്നിവരാണ് ഇതിനുമുമ്പിൽ.

- പ്രമേഹരോഗികൾക്ക് ആശ്വാസം
 എവി എസ്.മാത്യു, വി.പി. വിനോദ് എന്നിവർ ചേർന്ന് വികസിപ്പിച്ചെടുത്ത നാനോ ഹൈഡ്രോജൽ പ്രമേഹരോഗികളുടെ മൂലവ്യക്തമാണെന്നും, ക്ഷേത്രവസ്തുക്കളായി ഒരു സ്റ്റാർട്ടപ്പിന് രൂപം നൽകുകയാണ് ഗവേഷണ വിദ്യാർത്ഥിയായ ജെ. അർജുൻ.
- അണുനാശിനികളും സാനിറ്റൈസറുകളും
 കലാബുദ്ധി ഓഫീസ് എന്ന പേരിൽ രഞ്ജിത് മഹാസേനൻ തുടങ്ങിയ സഹപാഠി പ്രകൃതിയെ സംരക്ഷിക്കാനും സാഹായ്യംകൊടുക്കാനും അണുനാശിനികളും വ്യാവസായികോടിസാധനത്തിൽ നിർമ്മിക്കാനും എം.ടെക് ബിസിനസ്സായിരുന്ന എസ്.ബി. ടോമസ് ആംപ്ലൈ ഡൈറക്ടറിന് എന്ന പേരിൽ, നാനോ പേഴ്സണൽ കെയർ ഉത്പന്നങ്ങൾ നിർമ്മിക്കുന്നതിനുള്ള ഗവേഷണഫയലിൽ തുടങ്ങി.
 ബി.എ.എ.എസ്.പി. ഡയറക്ടർ ഡോ. ഇ.കെ. രാധാകൃഷ്ണൻ, ടി.ബി.എ. മരണങ്ങൾ ഡോ. സി.പി. അണ്ണും ഇതിനുമുമ്പിൽ. മേന്മയോടും വഹിക്കുന്നതും, ഡോ. ജെ.ജെ.മുരളി, ടോമിൻ ചാക്കോ, നിഖിൽ രാജ് എന്നിവരും ഇവർക്ക് പിന്തുണ നൽകുന്നു.



June 2018

Business innovation and incubation centre (BIIC) Team

Dr. Radhakrishnan E K

Director , Business Innovation and Incubation Centre (BIIC)

radhakrishnanek@mgu.ac.in

Assistant Professor , School of Biosciences, Mahatma Gandhi University

Nominated faculty, MHRD's National Innovation Start-up Policy at Mahatma Gandhi University

Nodal Officer, KSUM-IEDC

Member, Board of Directors, MGU Innovation Foundation (section 8 company)

Dr. Radhakrishnan E.K is currently working as Director, Business innovation and incubation centre (BIIC) and as Assistant Professor at School of Biosciences of Mahatma Gandhi University, Kottayam and also as Joint Director of Inter University Centre for Organic Farming and Sustainable Agriculture (IUCOFSA), Mahatma Gandhi University, Kottayam. He completed his doctoral degree from Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Kerala, India in 2008 and Post doctoral studies from The University of Tokyo, Japan in 2010. During his 12 years of research, he has published 129 research publications, 38 book chapters and 3 review papers. He edited 2 books from Springer Nature and Elsevier and 6 books are in progress. He has 2017 citations and h-index of 22 and has delivered 41 invited talks in various national and international conferences and seminars. So far twelve PhDs have been completed under his guidance. He has completed four major research projects and 1 minor project from various funding agencies and has 5 ongoing projects as PI. His research areas include plant microbe interactions, microbial natural products, microbial synthesis of metal nanoparticles, development of polymer based nanocomposites with antimicrobial effects for food packaging and medical applications.

<https://biic.mgu.ac.in/team>

Google Scholar Link:

<https://scholar.google.co.in/citations?user=KSITR6EAAAAJ&hl=en&oi=ao>



Business innovation and incubation centre (BIIC) Team

Dr. Chandana C

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Chandana C is currently working as Research Associate at the Business Innovation and Incubation Centre, Mahatma Gandhi University. She has completed her Ph.D in Biochemistry from School of Biosciences, Mahatma Gandhi University. She has 4 research publications in peer reviewed international journals with 49 citations and h-index of 2 and 1 book chapter. She took her M.Phil degree from School of Biosciences. Her experience in BIIC includes supporting the startup incubatees, conducting awareness programmes, innovation and start up activities, coordinating various programmes related to startups and entrepreneurship in collaboration with Kerala Development Innovation and Strategic Council, IEDC-Kerala Start up Mission, writing project proposals to various state and national funding agencies and office documentation.

<https://biic.mgu.ac.in/team>



Student Mentor Interface

On January 10, 2019, the Business Innovation and Incubation Centre (BIIC) organized a Student Mentor Interface across different departments within Mahatma Gandhi University. The primary objective of this program was to create a platform where student start-up owners from BIIC could interact with external experts associated with BIIC.

<https://biic.mgu.ac.in/eve2019>



BIIC Students Start Up

Technology Transfer

Research Team: Mr. Sreejith S and Dr. Radhakrishnan E.K.

Research Team: Ms. Aswathy Jayakumar and Dr. Radhakrishnan E.K.

Company Name: Agri Biotech Research Centre Limited (ABTEC), Kottayam, Kerala.

Technology transfer agreement was signed on 14 th January 2019 represented by the Hon. Vice-Chancellor on behalf of Mahatma Gandhi University with Agro-Biotech Research Centre Limited (ABTEC) through the Business Innovation and Incubation Centre (BIIC) of Mahatma Gandhi University.



<https://biic.mgu.ac.in/eve2019>

Start-up Incubation Facility at BIIC

Interious Bioresearch Centre (IBRC):

Partners: Sreejith S, Shibil Shad K
+91 9074806857, sreejithpyd@gmail.com

Though the humid tropical climate in Kerala favors agricultural production, there are serious challenges with fungal infection. Currently there are chemical fungicides used to treat the infections, which leads to a drastic deterioration of soil micro flora. The present startup firm developed an organic sprayable nano formulation effective for the short span crops, which is currently available in market.



<https://biic.mgu.ac.in/startups>

Start-up Incubation Facility at BIIC

A-grade Tools:

Partners: Jisho George, Shaji K Varghese

+91 9544584873

This is a tool that can be used for capping fruits and vegetables to protect from birds, insects etc. by using any kind of paper or cloth cover. The length of the tool is adjustable and has a wide demand among farmers.



<https://biic.mgu.ac.in/startups>

Start-up Incubation Facility at BIIC

A-grade Tools:

Partners: Jisho George, Shaji K Varghese

+91 9544584873



<https://biic.mgu.ac.in/startups>

Start-up Incubation Facility at BIIC

Calabura lab:

Partners: Abudahir, Renjith Mahasanen, +91 9886224104

Calabura labs is technically advanced company focussed on herbal based health care products, cosmetics and toiletries.



<https://biic.mgu.ac.in/startups>

Start-up Incubation Facility at BIIC

Eco Loving Advancement (ELA):

Partners: Balu Balachandran , Shabeer Shajahan , Gopikrishna V G, Abdul Shukkur M, Arun Sasi S , Aswin Rajan Varghese, +91 9496464097

Eco Loving Advancement – ELA is a startup company initiated by the research scholars of Mahatma Gandhi University, Kottayam, Kerala to propagate the idea of green conference. Each conferences, seminars, Symposia etc. were left back lot of plastic wastes in all the institutions. This leads to the idea of Green Conference Concept. The scholars especially from School of Environmental Sciences, MG University with the financial aid of Business Innovation and Incubation Centre (BIIC) and Inter University Centre for Organic Farming and Sustainable Agriculture (IUCOFSA) have started the ELA.



<https://biic.mgu.ac.in/startups>

Business Incubation and Innovation Centre (BIIC) Inter University Centre for Organic Farming and Sustainable Agriculture Start-ups

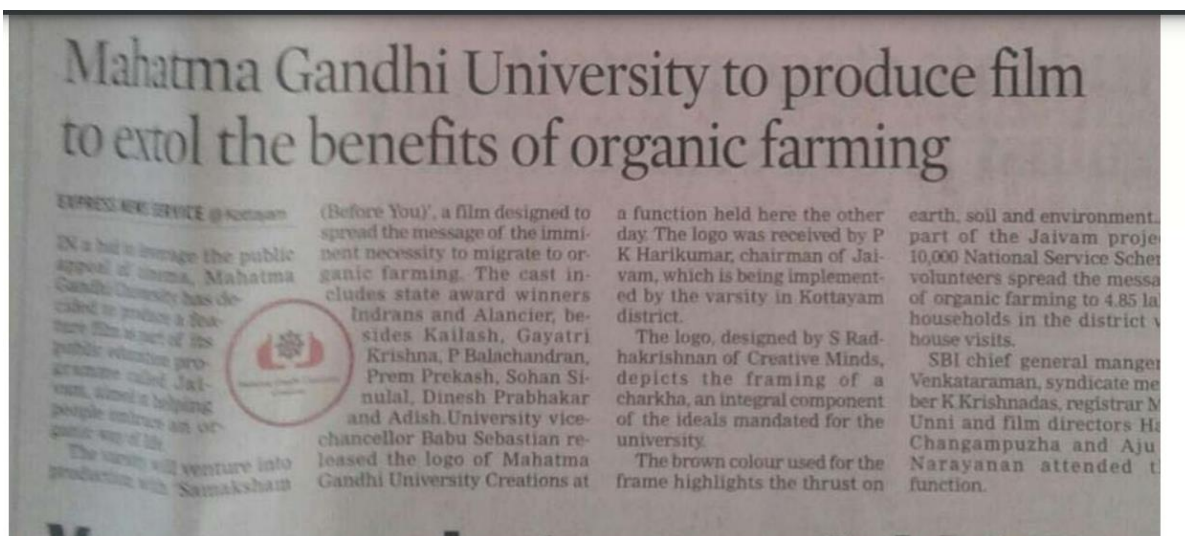
To bolster innovation and that falls within the remit of State Government's newly initiated Haritha Keralam project, which includes Organic Farming, Waste To bolster innovation and that falls within the remit of State Government's newly initiated HarithaKeralam project, which includes Organic Farming, Waste Management and Water resource management, IUCOFSA is jointly sponsoring the students' start-ups projects that fall within the remit of HarithaKeralam. BIIC-IUCOFSA have already awarded 50 student start-ups to promote incubation activities in Organic farming, Waste Management and Water resource management. 50 more start ups are being processed for awarding the same in due course.

Management and Water resource management, IUCOFSA is jointly sponsoring the students' start-ups projects that fall within the remit of HarithaKeralam. BIIC-IUCOFSA have already awarded 50 student start-ups to promote incubation activities in Organic farming, Waste Management and Water resource management.









agri-student start up inauguration by Sri. G Venkitarama, Chief General manager, State Bank of India

Bussiness Incubation and Innovation Centre (BIIC) Inter University Centre for Organic Farming and Sustainable Agriculture Start-ups



Start-up Incubation Facility at BIIC

At present the M.G University is incubating 8 start-ups.

| Sl No | Name of the registered firm | Proprietors | Details of startup | Product Launched/ Details of the company |
|-------|--|--|--|---|
| 1 | Interious BioResearch Centre (IBRC) | Mr. Sreejith S | The present startup firm developed an agri-product- organic sprayable nano formulation effective for the short span crops. |  |
| 2 | A-GRADE TOOLS | Jisho George and Shaji K Varghese | Developed a tool that can be used for capping fruits and vegetables to protect from birds, insects etc. by using any kind of paper or cloth cover. The length of the tool is adjustable and has a wide demand among farmers. |  |
| 3 | Calabura lab | Abudahir and Renjith Mahasenan | Calabura labs is technically advanced company focussing on herbal based health care products, cosmetics and toiletries. The products are currently marketed. |  |
| 4 | Eco Loving Advancement (ELA) | Balu Balachandran, Shabeer Shajahan, Gopikrishna V G, Abdul Shukkur M, Arun Sasi S, Aswin Rajan Varghese | The company is focused to propagate the idea of green conference. Each conference, seminar and symposia used to leave back lot of plastic wastes in all the institutions. This leads to the idea of Green Conference Concept. |  |
| 5 | Dia herbal healths pharmaceuticals Pvt. Ltd. | Dr. Sweetymol Jose and Dr. Jobin K. Thomas | Dia herbal is focusing on solutions to serious health problems related to diabetes. Their herbal combination consists of 20 medicinal plants all over Kerala and Karnataka. Based on the clinical trials under the guidance of Central Council for Research in Ayurvedic Science, New Delhi, the company is developing drugs for diabetes. |  |
| 6 | Ticcon-HSE LLP | Mr. Shaji Jacob | A company that focus mainly for the design and development of |  |

BIIC Startups in Organic Farming, Waste Management, and Water Resource Management


MAHATMA GANDHI UNIVERSITY

സംസ്ഥാന സർക്കാരിന്റെ
 ഹരിതകേരളം പദ്ധതിയുടെ
 സാക്ഷാത്കാരത്തിനായി
 സുസ്ഥിര കാർഷിക വികസനത്തിനുവേണ്ടി
 ഒരു നവസംരംഭകത്വ പദ്ധതി

₹10000/-
 as start-up grant
 for Winners

IUCOFSA-BIIC Start-Ups 2018

Themes:
 • Organic Farming • Waste Management
 • Water Resources Management

കേരളത്തിലെ എന്തെങ്കിലും
 സർവ്വകലാശാല/കോളേജ് വിദ്യാർത്ഥികൾക്കും
 കഴിഞ്ഞ മൂന്നു വർഷത്തിനുള്ളിൽ
 പഠനം പൂർത്തിയാക്കിയ
 പൂർണ്ണവിദ്യാർത്ഥികൾക്കും അപേക്ഷിക്കാം


**Applications
 open on
 17th September 2018
www.biic.org.in**





For Details See website : www.biic.org.in or Contact Bineesh C B, Business Innovation and Incubation Centre,
 Mahatma Gandhi University, Kottayam, Kerala, Cell No: +91 9074763588, E-mail: biicmgu2016@gmail.com

BIIC Startups in Agriculture

 **BSA 2018**
Realising Mahatma's Dream


Frugal Innovation in Agriculture


₹ 10000/-
as start-up grant
for Winners

BIIC Start-Ups in Agriculture (BSA) 2018

Applications
open on
2nd October 2018
www.biic.org.in

മഹാത്മാഗാന്ധി സർവ്വകലാശാലയ്ക്കു കീഴിലെ പഠനവകുപ്പുകളിലേയോ
കോളേജുകളിലേയോ വിദ്യാർത്ഥികൾക്കും
കഴിഞ്ഞ മൂന്നു വർഷത്തിനുള്ളിൽ പഠനം പൂർത്തിയാക്കിയ
പുർവ്വവിദ്യാർത്ഥികൾക്കും അപേക്ഷിക്കാം.


MAHATMA GANDHI
UNIVERSITY


IUCOISA
INTER UNIVERSITY
CENTRE FOR ORGANIC FARMING &
SUSTAINABLE AGRICULTURE


BIIC
BUSINESS INNOVATION AND INCUBATION CENTRE

For Details See website : www.biic.org.in or Contact Binesh C B, Business Innovation and Incubation Centre,
Mahatma Gandhi University, Kottayam, Kerala, India. Tel: 09747237888. E-mail: biic@mahatma-gandhi-university.com

Startups/ Enterprises Started by Students/Alumni of Mahatma Gandhi University

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR16SE358NO9670.pdf>

- The Business Innovation and Incubation Centre (BIIC), Mahatma Gandhi University supports innovations/ incubations/ entrepreneurship by extending administrative, academic and financial support to students through R&D support, start-up grants, patent facilitation, and entrepreneurship support.
- These initiatives support job creation, university – industry collaboration, and generate revenues for local business and governments. The BIIC aims to lead university students to a culture of job creation as opposed to a culture of job seeking, by blending academic research with innovation through the establishment of companies.
- A Board of dedicated persons that include representatives of Government, academia and industry runs the BIIC.
- Currently, we have 46 student start-up projects . and seed money of Rs. 10,000 each is disbursed as initial payment. The details are provided below:

START-UP PROJECTS SELECTED 2017-18

| Sl. No. | NAME | FACULTY MENTOR | INDUSTRY MENTOR | PROJECT TITLE | DEPARTMENT |
|---------|---|---------------------------------------|-----------------|-----------------------------|--------------------------------|
| | Jomon Joseph & Team Reghunath E V, Nirmal B , Joju N C | Dr.Bindhu V R Mr. Ashok Babu | Ms. Easwari | Organic Vegetable Portal | Organic Hub (Computer Science) |
| 2 | Shahanas Shan | Dr.Anuj Mohamed, Mr.Pailson Chacko | Ms. Easwari P S | Sullivan the miracle worker | Computer Science |
| 3 | Amal Johny, Muhammed | Smt. K P Pushpalatha, | Mr.Pradeep | Eviday -Ecommerce | Computer Science |

Startups/ Enterprises Started by Students/Alumni of Mahatma Gandhi University

| | | | | | |
|---|--|--|--|--|------------------|
| | Saju | Mr. Paulson Chacko | | | |
| 4 | Thenu Eliza Thampi & team FATHIMA Murshida K, Afseena Abbas | Dr. R .Vijayakumar, Ms. Santhi Joseph | | SMART-ABLE | Computer Science |
| 5 | Sreejith S, Shibil Shad K | Dr.Radhakrishna n E K | | Plant Probiotic Products | Bioscience |
| 5 | Divya A | Dr.Radhakrishna n E K | | Bioformulation for plant growth promotion and biocontrol using piperine producing endophytic fungi. | Bioscience |
| 7 | Akhila V A | Dr.Jisha M S | | Microbial synthesis of chitosan nanoparticles and its application in treatment of industrial effluents Colletotrichum gloeosporioides HPLC data of fungal extract showing taxol peak. | Bioscience |
| 8 | Athulya E C | Dr.Radhakrishna n E K | | Identification of Rhizobacteria from medicinal plants, and it's biocontrol properties | Bioscience |
| 9 | Nayana A R | Dr.Radhakrishna n E K | | Green synthesis of Silver nanoparticle to explore its application to Increase the Durability of Rubber materials | Bioscience |

Startups/ Enterprises Started by Students/Alumni of Mahatma Gandhi University

| | | | | | |
|-----------------------------|--|---|----------------------|---|---|
| 0 | Ajeesha V A | Dr.Jisha M S | | Analysis of antibacterial and cytotoxicity efficacy of taxol- silver nanoconjugate synthesized by endophytic Colletotrichum gloeosporioides | Bioscience |
| 1 | Smisha Lawrence | | | Herbicide | Bioscience |
| 2 | Lijo Babu | Dr: Girish Kumar | | Smart EGGS – An innovative egg marketing strategy | Innovative marketing strategy for native eggs KNRC |
| 3 | Ajith Mathew & Team | Tirathprasad G Nagvekar, Indulekha Kavila | | Automatic Cocoa Bean Separator | Viswajyothi college of engineering |
| 4 | Anitta Antony Sicily Rilu Joseph | Dr.Jaya T Varkey Prof. Sabu Thomas | | Design and Fabrication of Novel antibacterial nano fiber tea bags for clean drinking water | IUCNN |
| 5 | Shajas Ashraf, Abdul Subuhan, Amal Jolly | Dr.Bindu V R Ms. Chinju K | | Blind Aid Raspbery system | Computer Science |
| PhD Startup Projects | | | | | |
| SLNo | Name | Designation & Address | PROJECT TITLE | Department & Mentor | |

Startups/ Enterprises Started by Students/Alumni of Mahatma Gandhi University

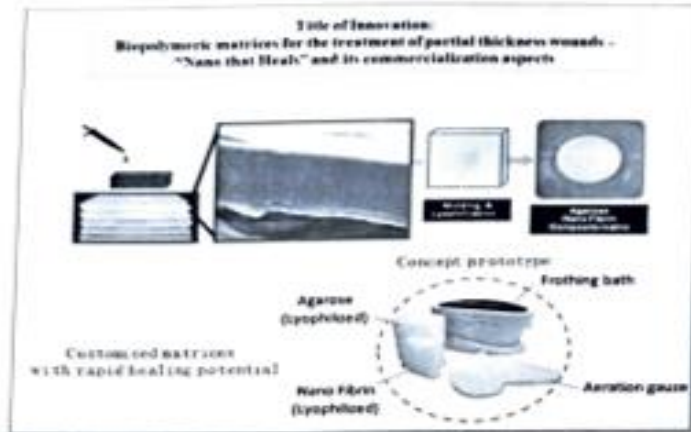
| | | | | |
|---|------------------------|--------------------------------------|--|-------------------------------------|
| 1 | Anju K Nair | Research Scholar IIUCNN, MGU | Paper based SERS substrates | IIUCNN Dr. Nandakumar Kalarikkal |
| 2 | Anshida Mayeen | Research Scholar SPAP, MGU | Development of High power Piezoelectric Nanogenerato rs using Electroactive Polymer Nanocomposi tes | IIUCNN Dr. Nandakumar Kalarikkal |
| 3 | Benymol Jose | Research Scholar, SOCS , M G U | Big Data and NoSql Database MongoDB: A replacement to cloud computing Architecture | SOCS Dr. Sajimon Abraham |
| 4 | Blessy Joseph | Research Scholar IIUCNN | Engineering of polymer composites for biomedical applications | IIUCNN Prof. Sabu Thomas |
| 5 | Deepa Mary Mathews | Research Scholar, SOCS , M G U | A Real Time Social Data Analytics to determine the popularity of TV Dramas using Apache Spark | SOCS Dr. Sajimon Abraham |
| 6 | Jaise Mariya George | Research Scholar IIUCNN, MGU | Fabrication of Nanosensors for Chiral compounds | SCS Dr. Beena Mathew |

Startups/ Enterprises Started by Students/Alumni of Mahatma Gandhi University

Start-ups of IIUCNN in Prototype ready & Proof of concept stages

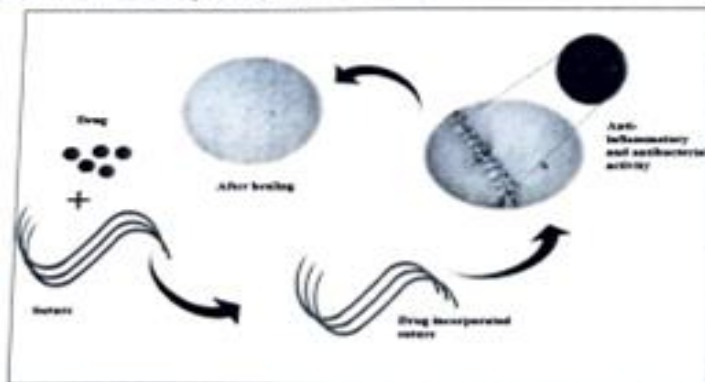
> Nano that Heals

- Innovation of Dr.Praveen G, Postdoctoral Fellow, IIUCNN -



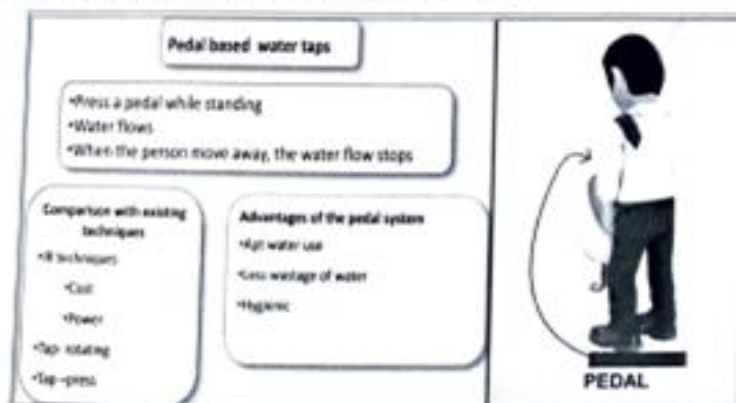
> Shape memory polymer sutures

- Innovation of Ms. Blessy Joseph, PhD scholar, IIUCNN -



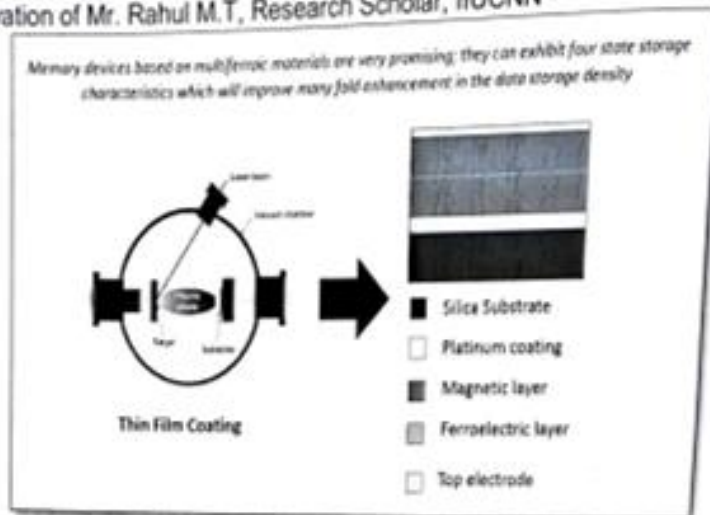
> Pedal system for Urinals and wash basins

- Innovation of Mr.Jemy James, PhD scholar, IIUCNN -

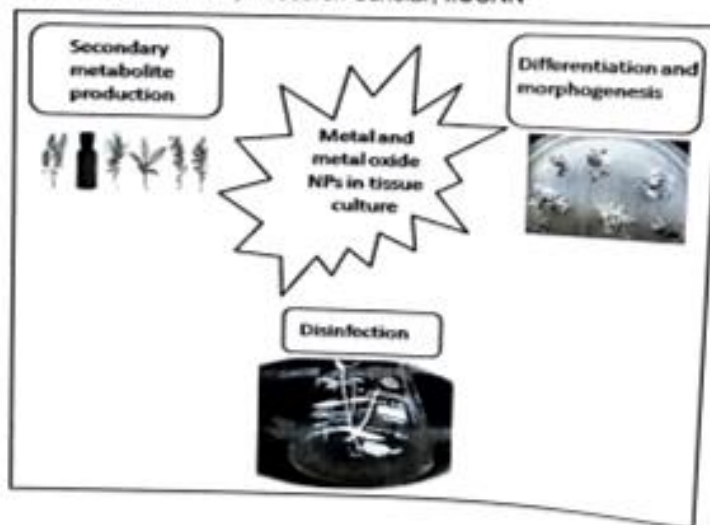


Startups/ Enterprises Started by Students/Alumni of Mahatma Gandhi University

> Nanostructured Multiferroic Thin-films for Data storage Applications - Innovation of Mr. Rahul M.T, Research Scholar, IIUCNN -



> Nanoparticles for improved Plant Growth and Secondary Metabolite production - Innovation of Rakhimol K R, Research Scholar, IIUCNN-



Co-incubation with Affiliated colleges

After its successful establishment, BIIC extended its functional areas to include affiliated colleges of Mahatma Gandhi University. As part of this endeavor, BIIC is currently in partnership with Amal Jyothi College and Cathelicate College Pathanamthitta. Furthermore, discussions for partnerships with 9 other colleges have been finalized, and the signing of Memorandums of Understanding (MoUs) with these institutions will take place soon.

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR7SE182NO5593.pdf>
<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR7SE182NO5594.pdf>

**POSTGRADUATE AND RESEARCH
DEPARTMENT OF BOTANY
CATHOLICATE COLLEGE**
(Affiliated to Mahatma Gandhi University, Kottayam, Kerala)
NAAC Re-accredited A Grade with CGPA 3.60
PATHANAMTHITTA, KERALA

Dr. Binoy T Thomas
Head of the Department

Date: 01/02/2022

To
The Hon'ble Vice-Chancellor
Mahatma Gandhi University
Kottayam
(Through the Principal, Catholicate College, Pathanamthitta)

Respected Sir,

Sub: Req. for Co-Incubation Centre of BIIC at the Department of Botany, Catholicate College, Pathanamthitta

The department of Botany would like to start a co-incubation center here in association with BIIC of M.G. University. Presently our students are actively involved in various innovative programmes under Curiosity Council. It's a group of scientifically curious students, intended to spread scientific temper and critical thinking. The following activities have been conducted by Curiosity Council since its inception:-

CATH-IDEATHON 2021: Curiosity Council in association with Business Innovation and Incubation Centre of M.G. University, Young Innovator's Programme and Kerala Development and Innovation Strategic Council has conducted an Idea Challenge at National Level, inviting ideas and prototypes for reducing Carbon emissions to atmosphere. Wide responses have been obtained so far from students of various Universities within and outside Kerala. The final rounds of the competition are to be held on February 2022.

ECO-NATURAE 2021: Exhibition and sale of Crafts made from waste materials such as plastic, cartons, coconut shell, paper, old clothes etc, aiming to promote upcycling and sustainable livelihood was conducted on 21st December 2021.

Science Forum: Online meetings are being conducted on every Thursday evening, in which presentations on recent advancements in the scientific field are made by the students and they are involved in active discussions based on it.

YIP Idea registration: Altogether 26 students from the department have registered and submitted their ideas to Kerala Government's Young Innovator's Programme during the current year

May I request you to kindly consider this application positively

Yours Faithfully

Dr. Binoy T Thomas

DEPARTMENT OF BOTANY
CATHOLICATE COLLEGE
PATHANAMTHITTA, KERALA

Courses offered: B.Sc. Botany Model 1 | M.Sc. Botany | Ph.D. Botany
9447087024 | bitkrica@gmail.com

Co-incubation with Affiliated colleges



കേരളം കേരल KERALA

DE 079905

Memorandum of Understanding (MoU)

This agreement is entered into at Mahatma Gandhi University, Kottayam, on 30th March 2022 ("Effective Date")

between

Mahatma Gandhi University, represented by Prof. (Dr.) Sabu Thomas, Vice-Chancellor,
Mahatma Gandhi University of the Other Part,

and

Amal Jyothi College of Engineering (hereinafter referred to as 'AJCE'), Kanjirappally
represented by Prof. (Dr) Lillykutty Jacob, **Principal of the One Part;**



Page | 1

No. 26958/30.3.2022

DR. RAJHA KRISHNANER
DIRECTOR
BICC, MG UNIVERSITY


LILLYKUTTY JACOB
PRINCIPAL, AJCE



Prof. (Dr.) SABU THOMAS
VICE-CHANCELLOR

Partnerships and Collaboration

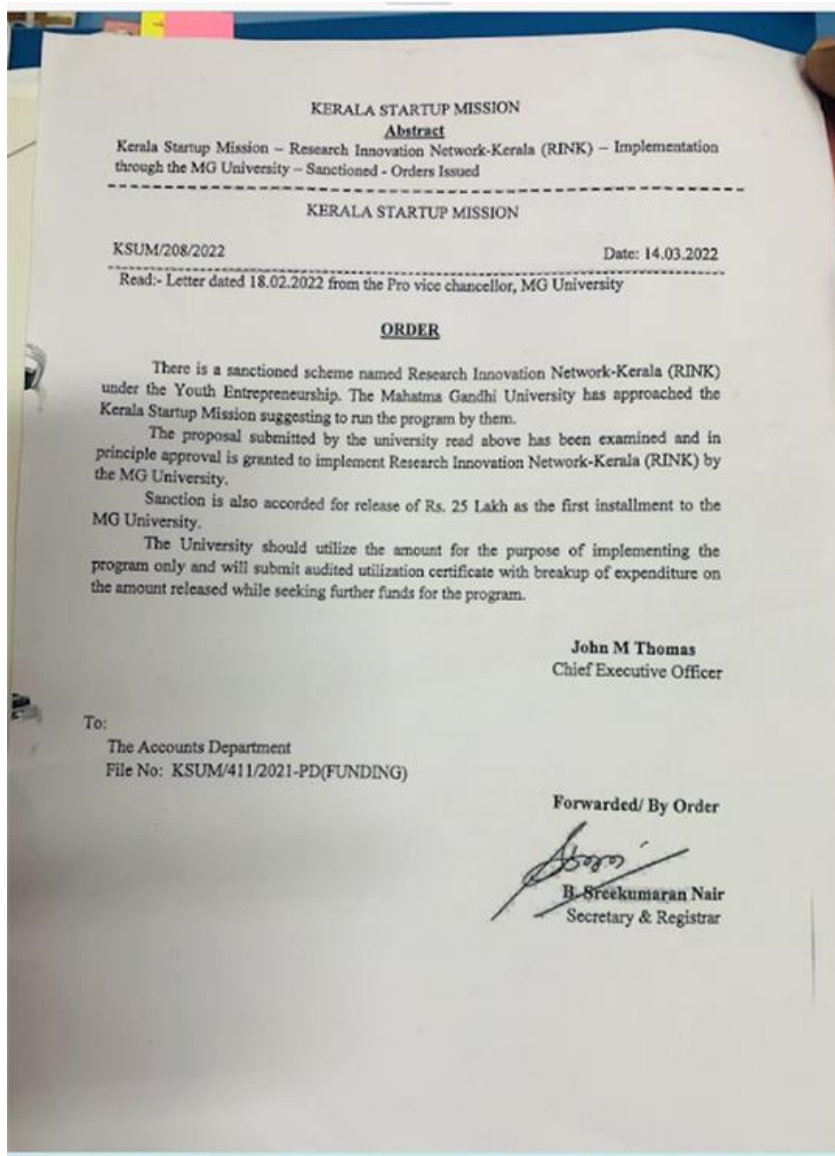
At present, BIIC is engaged in a collaborative effort with Kerala Startup Mission's Innovation Entrepreneurship Development Centre (IEDC) for their outreach program. Additionally, they also partner with an MSME Recognized Incubator sanctioned by the Central Government of India to organize Hackathons.

<https://biic.mgu.ac.in/iedc.pdf>

<https://biic.mgu.ac.in/mhrd.pdf>

<https://assist.mgu.ac.in/filemanager/assets/storage/DOCCR7SE182NO5564.pdf>

<https://assist.mgu.ac.in/filemanager/assets/storage/DOCCR7SE182NO5565.pdf>



BIIC and Kerala Startup Mission's – Innovation Entrepreneurship Development Centre (IEDC) for outreach programme

BIIC and National Institute for Developing and Harnessing Innovation (NIDHI) - TBI



BIIC and Confederation of Indian Industry

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR7SE182NO5595.pdf>



കേരളം കേരल KERALA

00 849366

MEMORANDUM OF UNDERSTANDING (MOU)

This agreement is entered into at Mahatma Gandhi University, Kottayam, Kerala, India, on this 20 day of July 2022 ("Effective Date")

Between

MG University, represented by Prof. Prakash Kumar B, Registrar (Name & Designation), of the Other Part.

AND

Central Travancore Chamber of Commerce and Industry (Reg.No. PTM/TC/206/2019) Mulamoottil Buildings, Tiruvalla, Kerala 689101, (Name & Address of the partnering institution) represented by Dr. Fr. Abraham Mulamoottil, President (Name & Designation), of the One Part;

Art. 1 Cooperation

The purpose of this agreement is to formally express the mutual wish of MG University and Central Travancore Chamber of Commerce and Industry to develop collaborative teaching, research, and exchanges between students, teachers, researchers, and staff. This is a legally non-binding agreement which outlines an intention to promote collaboration between the above mentioned institutions. This document would be followed by a Memorandum of Agreement specifying the areas of collaboration and sharing which will have legal binding and it includes:



19-07-2022

[Handwritten signature]

Central Travancore
Chamber of Commerce
and Industry
Mulamoottil Building
Tiruvalla, Kerala

[Handwritten signature]
REGISTRAR

V.P. PUNNOSE
Stamp Vendor
Changanacherry
No. 1/5253/89





കേരളം കേരള KERALA

DD 849366

MEMORANDUM OF UNDERSTANDING (MOU)

This agreement is entered into at Mahatma Gandhi University, Kottayam, Kerala, India, on this 20 day of July 2022 ("Effective Date")

Between

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AND

Central Travancore Chamber of Commerce and Industry (Reg.No. PTM/TC/206/2019) Mulamoottil Buildings, Tiruvalla, Kerala 689101, (Name & Address of the partnering institution) represented by **Dr. Fr. Abraham Mulamoottil, President** (Name & Désignation), of the **One Part**;

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19-07-2022

[Handwritten signature]

Central Travancore
Chamber of Commerce
and Industry
Mulamoottil Building
Tiruvalla, Kerala.

[Handwritten signature]
REGISTRAR



[Handwritten signature]
V.P. PUNNOOSE
Stamp Vendor
Changanacherry
No. T. 5/253/89





കേരളം കേരल KERALA

CD 738028



Mahatma Gandhi University
Kottayam, Kerala



National Institute of Food Technology
Entrepreneurship and Management
(NIFTEM) Sonapat (Haryana)

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter 'MoU') is entered into
on theday of2019

By and Between

National Institute of Food Technology Entrepreneurship and Management
(herein after, (NIFTEM) Sonapat, Haryana



[Signature]
Dr. K. SABUKUTTAN
REGISTRAR (I/c)



NO: 2225
08/8/19

[Signature]
Rajiv Rajhakar Kumar L K
Harsree (H)
Navelskara

ETTUNA... YENUGB/
P.P. YAKKAM
No. 425/10.01



കേരളം കേരल KERALA

DG 004051

MEMORANDUM OF UNDERSTANDING

1.0 This Memorandum of Understanding, herein after referred to as Memorandum, is entered into this date (. 19 . / 07 . / 2021) between Mahatma Gandhi University (MGU), Kottayam represented by the Registrar, herein after called the FIRST PARTY which expression shall unless repugnant to the context and meaning thereof mean and include his successors, representatives and assigns and Swakit Biotech Pvt. Ltd. (SWB) Bangalore for familiarizing the organic products among farmers and to encourage organic farming practices represented by Director herein after called the SECOND PARTY which expression shall unless repugnant to the context and meaning thereof mean and include his successors, representatives and assigns. Both of them together herein after called the Parties.

SWAKIT BIOTECH PVT. LTD.
39, SLV Plaza, 3rd Floor,
Bull Temple Road, Basavanagudi,
BANGALORE - 560 004.

Signature



2021

No. 3930 : Rs. 100/-
07/07/2021
Dr. Radhakrishnan E.K
Assistant Professor School of
Bio-Science M.G. University

Signature

REGISTRAR

L. RAMAKRISHNAN NAIR
STAMP VENDOR
ETTUVAANGUR
NO. 2018

Successful Patents

<https://biic.mgu.ac.in/ip>

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR7SE182NO5567.pdf>

As of now, the Business Innovation and Incubation Centre (BIIC) has filed a total of 22 patents for various innovations. Out of these 22 patent applications, 2 have been granted and officially approved. This means that these two innovations have been recognized for their uniqueness and granted legal protection by the respective patent authorities. The remaining 20 patent applications are still under review or pending approval

KADAVANS LEGAL OFFICES
Advocates & Corporate Consultants
4th Floor, I.S. Press Building, Kochi-18.
Ph-0484-3073306, Mob: 098952 84381
e-mail: kadavanslegal@gmail.com

06.09.2022

To,
DIRECTOR ,
BIIC,
MAHATMA GANDHI UNIVERSITY,
KOTTAYAM.

Sub : STATUS OF PATENT APPLICATIONS FILED FOR M.G.UNIVERSITY

Dear Sir,

Please find below the details of status of Patent Applications filed through us.

| Sl. No. | Name | Invention | Patent Application No. & Date | CURRENT STATUS |
|---------|--|--|-------------------------------|--|
| 1 | Tijith K George, Dr. Jisha M S | Qualitative assay for the detection of dihydroergosterin production from <i>Penicillium sectorum</i> sp. Nov. | 201941041357 , 12/10/2019 | Application awaiting examination |
| 2 | Heleena E H, Aju K Asok, Dr. Jisha M S | Development of a bacterial insectic against Banana Pseudostem weevil | 201941041356 , 12/10/2019 | Application awaiting examination |
| 3 | Midhan Sebastian Jose, Dr. Jyothis Mathew, Dr. Radhakrishnan E. K. | Probiotic incorporated fish feed for improved growth performance | 201941041355 , 12/10/2019 | Reply to FER filed. Application in amended examination |
| 4 | Divya K., Dr. Jisha M S | Chitosan nanoparticles extracted from <i>Penaeus monodon</i> as a bio fertilizer and defence elicitor in rice. | 201941041354 , 12/10/2019 | Application awaiting examination |
| 5 | Sruthi P R, Anas S | Development of novel reusable polymer supported transition metal catalyst for coupling reactions | 201941041353 , 12/10/2019 | Patent Granted with No.391643 |

Successful Patents

| | | | | |
|----|---|---|----------------------------|--|
| 6 | Amirvadegh Rezaazadeh Nochehdahi, Sabu Thomas, Minoo Sadri, Yves Grobena, Nandakumar Kalarikkal | Biocompatible Iron-Cobalt- Hydroxyapatite (FeCo@HAP) nano- alloys process and applications | 201941000483 04/01/2019 | Reply to FER filed. Application in amended examination |
| 7 | Arwathy Jayakumar, Sumi T S, Heera K V, Merita Joseph, Shiji Mathew, Praveen Govindh, Radhakrishnan E.K. | Polyvinyl Alcohol Based Nanocomposite Films Fabricated With Zinc Oxide Nanoparticles And Clove Oil For Antimicrobial Application | 201941000238 03/01/2019 | Application awaiting examination |
| 8 | Sheetal Sivankutty, Dr. Jayachandran K | Trigonelline from fenugreek: a quorum sensing mimic of <i>Pseudomonas</i> <i>aeruginosa</i> to enhance QS related property | 201941000237 03/01/2019 | Application awaiting examination |
| 9 | Josmin P. Jose, Sabu Thomas | Designing of Superior, Nanodielectric XLPE/Al ₂ O ₃ Nanocomposite | 201841040356 25/10/2018 | Reply filed, application in amended examination |
| 10 | Prof. Dr. Sabu Thomas, Merreeta Lalke, Dr. M S Latha, Dr. Nandakumar Kalarikkal | Development of g-4 piazoni-oh dendrimer-nano curcumin conjugates for enhanced anticancer and antimicrobial activity | 201841040349 25/10/2018 | Under Examination |
| 11 | Hanna J Maria, Agna Joy, Mohammed Arif, Sabu Thomas, Nandakumar Kalarikkal | Flexible polymer nanocomposites for EMI Shielding | 201841040348 25/10/2018 | Under Examination |
| 12 | Sanal Sebastian Peyyappilly, Vishnu Menon Kambrath, Eyad Zussman, Nandakumar Kalarikkal, Sabu Thomas | Electrospun hollow fiber template for fabrication of solid conducting polymer fibers | 201841040346 25/10/2018 | Under Examination |
| 13 | Elizabeth Francis, Ko Hyun-U, Kim Jaehwan, Sabu Thomas | Ionic liquid modified MWCNT based Poly vinyl chloride nanocomposite sensors for temperature sensing applications | 201841040345 25/10/2018 | Reply Filed Application in amend examination |
| 14 | Deepu A Gopakumar, Avinash R. Pai, Nandakumar | Conductive Cellulose Nanopapers for EMI shielding applications | 201841040344 25/10/2018 | Under Examination |

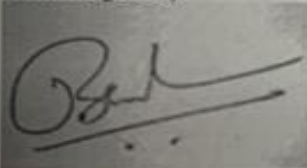
Successful Patents

| | | | | |
|----|---|---|----------------------------|---|
| | Kalarikkal, Sabu Thomas | | | |
| 15 | Apparao Gadimalla, Sajith T.A, Sabu Thomas, Nandakumar Kalarikkal, Zakiah Ahmad | Invention of High-Performance EMI Shielding Coating From Low-Cost Carbon Black with XLPE | 201841040343 25/10/2018 | Under Examination |
| 16 | Meldin Mathew, Deepu. A. Gopakumar, Seyju Karim Andani, Sabu Thomas | A Sustainable Water Purification System Based on Coir Fiber coupled with UV Treatment | 201841040341 25/10/2018 | Reply Filed. Application is amended examination |
| 17 | Sabu Thomas, Abitha V K. | Filler localization in elastomer blends using new mixing sequence | 201841040330 25/10/2018 | Application in hearing |
| 18 | Smitha Vijayan Dr. Jisha M S. | Antitumor and antimicrobial efficacy of bioconjugate of silver nanoparticles produced by endophyte isolated from <i>Withania somnifera</i> (L.) | 201841032445 30/08/2018 | Under Examination |
| 19 | Ajitha A R, Aswathi M K, Sabu Thomas, Nandakumar Kalarikkal, Lovely Mathew P, Goethamma V G | MWCNTs reinforced polymer blend nanocomposite of Poly(trimethylene terephthalate) and Polypropylene for EMI shielding application | 201841003768 01/02/2018 | Patent granted |
| 20 | Aswathi M.K, Ajitha A.R, Sabu Thomas, Nandakumar Kalarikkal, M. Padmanabhan, Lovely P. Mathew | New Poly(trimethylene terephthalate) based nanocomposite formulation for EMI Shielding | 201841003767 01/02/2018 | Patent granted |
| 21 | Jishna P, Divya A, Jyothis Mathew, Radhakrishnan E K | Value added conversion of Prawn as cost effective agent to control plant diseases. | 201841002437 22/01/2018 | Application in Hearing |
| 22 | Jasim Bashaer, Dhanoop M S, Arwami R, Chitra S Radhakrishnan E K. | Method for the enhancement of piperine production by endophytic fungi using nano-substrates. | 201841002436 22/01/2018 | Application in amended examination |
| 23 | Dr.Maheswar Panda Dr.Sabu Thomas | Novel Method of Developing Improved Polymer Dielectrics from PVDF-Metal/PVDF-Ceramic Composites | 202141042021 09/09/2021 | Application Filed. Request for Examination |

Successful Patents

| | | | | |
|----|---|---|----------------------------|--|
| | | | | need to be filed. |
| 24 | Dr.Tijth K George, Dr.Jisha M S, Sherin Varghese | A new method for invitroscreening characterisation of crude extract of a novel mycoendophyte <i>Penicillium setosum</i> sp. no. 22/12/2021 isolated from <i>Withania somnifera</i> for potent anticancer agents | 202141059994 | Application filed , Request for Examination need to be filed |
| 25 | Dr.Suresh Mathew , Dr.Asawathi Joseph | A new Electroactive nanofluid composition for suspension based flow batteries | 202241028548 18/05/2022 | Application filed , Request for Examination need to be filed |
| 26 | Sasina Sai O K, Usha K Aravind, C T Aravindakumar | Edible Coatings from Jackfruit waste derived pectin for the preservation of fruits and vegetables | 202241047851 23/08/2022 | Application filed , Request for Examination need to be filed |

With Regards,



Benoy K.Kadavan
Advocate

Young Innovators Programme (YIP)

The centre has successfully concluded the registration procedure, aiming to introduce young students to the innovation cycle and makes a more profound impact on Kerala's academic system. This was achieved by participating in the Young Innovators Programme (YIP) organized by the Kerala Development and Innovation Strategic Council (K-DISC).

<https://biic.mgu.ac.in/eve2019#>

THE YOUNG INNOVATORS PROGRAMME
2021-24

THEMATIC TALK ON
**INNOVATION COLLECTIVES
AND COOPERATIVES**

District: Kottayam
Venue: MG University Campus
Dec 2, 2021, 2:30 - 3:30 pm

Link: <https://bit.ly/yip-2021-kottayam>

SPEAKERS

Ganesh Gopal
Programme Officer,
International Cooperative
Alliance. Coordinates
LFA research project and
Coop-entrepreneurship and
innovation related pro-

Rahul P Balachandran
Managing Director ,
INKER Robotics.
CEO & Co-Founder of STEM
Robotics Academy

Entrepreneurship Awards 2018

To encourage the students, BIIC has instituted three Entrepreneur Awards on the basis of industrial viability of projects. The award carried a prize money of Rs. 50,000 and a citation. The awards were distributed on 17 March 2018 by Mr.S Venkataraman, Chief General Manager, State Bank of India. The award winners are Ms. Blessy Joseph, Mr. Sreejith S and Mr. Ajith Mathew.



Talk on "Company Formation"

Invited talk on "Company Formation" lead by Mr. Prathik Lenin, Chartered Accountant, Lenin Associates, Kottayam, at School of Tourism Studies, Mahatma Gandhi University on 12 December 2018. The talk provided simple tips to help and guide our student entrepreneurs regarding funding, financial agencies and company registration.



Talk on "Innovative Thinking and Effective Communication"

On 27 September 2018 Dr. Kalyani Vallathu conducted a workshop on "Innovative Thinking and Effective Communication" for aspiring entrepreneurs. The workshop cast light on many aspects of interpersonal and interpersonal skills of collaboration, communication, creative thinking, time and project management that make up efficient young professionals.



MGU Startup Policy

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR16SE358NO9770.pdf>

VII. THE SCHEME

A student whose start-up project is selected has to undergo the following tracks/ phases:


Track 1. The ideational phase with affiliation to any of the departments or centres identified by BIIC (The track includes the idea phase, or the research and development phase).

Track 2. The prototype phase and assessing the feasibility of the product as a start-up and its potential market.

Track 3. The entrepreneurial phase that involves designing an action plan to bring the product or service to market through company formation and launch, establishing sustainable legal, operational, marketing and legal structures for the business launch.

Participants could join the programme at any of the stages/ tracks and will have access to office space and facilities of BIIC/ TBI and the Departments they are attached to, provided their entry is recommended by the expert committee.

Application for Student Start-up Grants



MAHATMA GANDHI UNIVERSITY
BUSINESS INNOVATION AND INCUBATION CENTRE

APPLICATION FORM

1. General Information

| | |
|-----------------------|--|
| Title | |
| Name of Applicant (s) | |
| College/Department | |
| Student/Alumni | |
| Phone Contact | |
| E-mail Address | |
| Address | |

Student Start-up Policy @ MGU, 2017 8

Technology Commercialization Workshop on Woman Entrepreneurship



MAHATMA GANDHI UNIVERSITY

Technology Commercialization Workshop series on Women Entrepreneurship

organized by
Business Innovation and incubation centre (BIIC)

As part of the Project funded by
Kerala Start Up Mission (KSUM) in association with
Innovation and Entrepreneurship Development Centre (IEDC) & IQAC, K.E. College, Mannanam

Registration is free and Lunch will be provided
Registration Link:
<https://forms.gle/YjrtMWGnXqqhPbez9>

5th and 6th May 2022

VENUE: SEMINAR HALL, M.G UNIVERSITY



MS. INDU GOVIND
"ADDING VALUE TO YOUR INNOVATION"
DAY 1
10:30 AM
(Business Development Manager, Technology Transfer and Intellectual Property Services, Sree Chithira Thirunal Institute of Medical Sciences & Technology-SCTIMST TIMED, Thiruvananthapuram, Kerala)



RINA VIVEKANADAN
(Principal Consultant, Praptii)




ANNA BINDU MATHEW
(Senior Educator & Analyst, Praptii)

DAY 2 10:30 AM
"BUSINESS MODEL"

Organizing Committee:
Dr. Radhakrishnan E K (Hon. Director, BIIC, M.G University)
Dr. Ison V Vanchipurackal (Principal, K.E College)
Dr. Chandana C (TBI Manager, BIIC, M.G University)
Dr. Jerry Mecheri (Technology Fellow, KSUM-BIIC)
Mr. Vijoosh (Technology Fellow, KSUM-BIIC)
Dr. Sandhya C (IQAC Co-ordinator, K.E College)
Dr. Mercy Mathews (IEDC nodal officer)
Ms. Divya Joseph (IEDC nodal officer)
Innovation and Entrepreneurship Development Centre (IEDC) & IQAC, K.E. College, Mannanam

Awareness Programme on IPR

The Business Innovation and Incubation Centre (BIIC) at Mahatma Gandhi University plays a pivotal role in fostering innovation and entrepreneurship conducted a webinar on the topic “**raising awareness about intellectual property rights (IPR)**” on February 11th 2022. This webinar aimed to educate participants about the significance of protecting intellectual property, covering areas such as patents, copyrights, trademarks, and trade secrets. Expert speakers shared insights, legal perspectives, and practical advice on IPR..




INTELLECTUAL PROPERTY RIGHTS AWARENESS PROGRAM
Under National Intellectual Property Awareness Mission (NIPAM)

DATE: 11TH FEBRUARY 2022 TIME 11:30 AM - 12:30 PM
Online Platform Cisco Webex

webex
by CISCO

mai-patent.webex.com/chennai-patent/j.php?3354ef1dc5cad20d9ac6594aae9e
Meeting Number (access code):
25127828097
Meeting Password:
tN3AY25bpDp

RESOURCE PERSON



Shri. Anoop K Joy
Deputy Controller of Patents and Designs

Jointly Organized by
Patent Office, Department of Lifelong Learning and Extension [DLLE] &
Business Innovation and Incubation Centre (BIIC),
Mahatma Gandhi University & KSCSTE - IPRICK

5 Day Technology Commercialisation Workshop



5 Day **TECHNOLOGY COMMERCIALISATION WORKSHOP**

on

LAB TO START-UPS

Organized by

**BUSINESS INNOVATION AND INCUBATION CENTRE (BIIC),
MAHATMA GANDHI UNIVERSITY**

In association with

KERALA START-UP MISSION

as Part of

MGU-KSUM LAB TO START-UP TRAINING PROGRAMME

During
16th – 20th
May, 2022

About the programme

This programme is organized as part of the “MGU-KSUM LAB TO STARTUP”, a project of BIIC of Mahatma Gandhi University funded by the Kerala Start-up Mission. The programme has been designed to explore the commercialisation potential of laboratory findings and to accelerate the transformation of research innovations into viable technologies/products/applications/services for the benefit of society and also to increase the job opportunities. The programme also aims to network the academic leaders with the industries to encourage the technology transfer and establishment of industry linked projects. The training programme has been arranged with the invited talk from various government agencies, industries, entrepreneurs and professionals from innovation and start-up sectors. The programme also includes one day visit to start-up incubation facilities and industries.

5 Day Technology Commercialisation Workshop

Main objectives

- To empower researchers to translate their scientific research outputs from the labs into market ready products/technology/services/application as per the societal demand
- To accelerate the successful generation of startups from researchers
- To transform the academic leads and skills into scalable business models
- To provide a platform for the knowledge networking of academic community for the rapid translation of lab findings

Target Group : Faculty members/Research Scholars from Mahatma Gandhi University and Affiliated Institutions/Colleges

Venue : Convergence Academia Complex, Mahatma Gandhi University

How to apply : All interested candidates may submit the Google form for the registration through the following link on or before May 10th 2022
<https://bit.ly/3EDeDCv>

As the programme has been designed for limited number of candidates, the first 25 applications will only be selected.

Registration fee of Rs. 500/- should be remitted only by the selected participants as per further communication on the same

Certification : After successful completion of the programme, certificates will be issued to the participants

Coordinators:

Dr. Radhakrishnan E.K

Hon. Director
Business Innovation and Incubation Centre (BIIC),
& Nodal Officer, IEDC MG University

Dr. Deepu Krishnan P.R

Assistant Manager Translational Research
Kerala Start-up Mission

Dr. Syllas V.P

Asst. Nodal Officer, IEDC MG University

Dr. Chandana C.

Manager, TBI, Business Innovation and
Incubation Centre (BIIC)

Dr. Jerry Mechery

Technology Fellow, BIIC -KSUM

Mr. Vijeesh V.

Technology Fellow, BIIC -KSUM

For more details Contact : **9497159732, 9809899809**

Email address : biic@mgu.ac.in

Mahatma Gandhi University Innovation Foundation (MGUIF)

<http://mguif.org/>



MGU Innovation Foundation is a non-profit Section 8 company under the Companies Act, 2013 (a Special Purpose Vehicle) incorporated on 19 December 2019 with the aim of functioning as a business innovation ecosystem of Mahatma Gandhi University. The organisation is functioning under the guidance of the RUSA 2.0 project of Ministry of Education.

About MGU Innovation Foundation:-

The aim is to create an innovation ecosystem to support innovative ideas of students and other innovators to be transformed into commercial products beneficial to the society. MGU Innovation Foundation houses incubations in various core areas that would provide a new and emerging technology and compatible businesses in the field of scientific core cloud computing (Machine Learning, Artificial Intelligence, Cyber Security, IoT, Mobile and Web Apps etc.), Science and Engineering fields especially Automobile, Mechatronics, Robotics, Nano-Technology, Bioinformatics and Drug Design etc. as a physical and/or virtual unit that extends various forms of support for Start-ups to become “MGU Incubated Companies”. Some of these companies may be founded based in part or in full on technologies/IP developed by the MGU Innovation Foundation/ University, or jointly with it in collaborative mode. MGU may also provide incubation support to external start-ups with which Faculty / Staff / Researchers / Scholars / Students etc. are associated as consultants or mentors.

INCUBATORS AND OTHER FACILITIES

The incubators established under this system include;

- High Performance Computing (HPC)
- Mobile and Web App Factory
- Digital Learning and Content Creation Studio
- Nano Technology incubator (Nutraceutical and Food Supplements)
- Dry and Wet Analytical Labs

Mahatma Gandhi University Innovation Foundation (MGUIF)

The App Factory and Digital Services incubator will facilitate common facilities for start-ups in areas like Mobile and Web App Development, Artificial Intelligence and Bots, Accelerated Mobile Pages (AMP), Single Page Application, Motion UI, Block chain Technology, Internet of Things and Business Analytics. It will also have Scientific Core Cloud Computing facilities which will empower small scale industries, universities and colleges in modelling and computation to boost their research and reduce the time taken to develop it into products. The Digital Learning and Empowering Studio will house a wide range of facilities which will promote technology oriented teaching, learning and content creation services.

The Nano technology incubator will house and provide facilities for Nano cellulose research and pilot plant for production of Micro cellulose (MCC). It will also have facilities for development of Nano cellulose modified value added products in the areas of food supplements and nutraceuticals.

Virtual offices provide a huge selling point for co-working operators. A connected office ready to stream meetings seamlessly around the world can fulfil a big need in the working market. Businesses will be eager to rent and utilize these spaces as remote work continues to be popular.

Hybrid workspaces are blended working models designed to give workers optimal flexibility while retaining a physical element of co-working. With hybrid spaces, a worker can choose to either log in from home or occupy an office location while they complete their daily tasks.

Hybrid models are the future of co-working as business leaders look for opportunities to bring employees back in without eliminating the flexibility and comfort workers have become accustomed to while working from home.

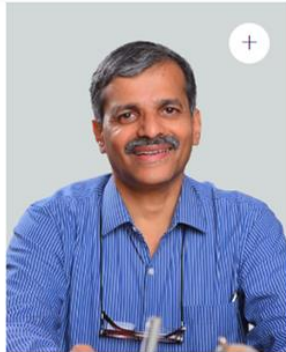
Incubation facilities with suitable physical infrastructure in terms of capital equipment and operating facilities, coupled with the availability of sectoral experts for mentoring the start-ups, business planning support, access to seed capital, industry partners, trainings and other relevant components is provided for innovative start-ups to become scalable and sustainable enterprises. The system supports innovations / incubations / entrepreneurship by extending administrative, academic and financial guidance.

The main objective is to kindle the entrepreneurial spirit, and provide customized support in pioneering business ideas with high growth potential. The commercialization of advanced technologies developed at the University as a result of incubation will greatly benefit the institution as well as society at large and will contribute to the economic resurgence of our country.

Mahatma Gandhi University Innovation Foundation (MGUIF) Team



Prof.(Dr).C T Aravindkumar
Chairman & Managing Director



Prof.(Dr). Sabu Thomas
Director



Prof.(Dr).Robinet Jacob
Director



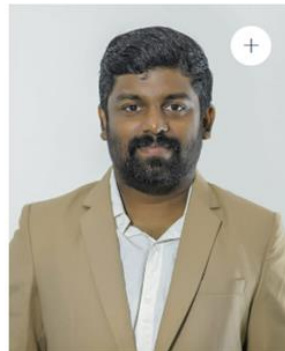
Dr.E.K.Radhakrishnan
Director



Padmashree Prof.P.I John
Director



Prof.(Dr).Sajimon Abraham
Director



Er. Sanu Xavier
CTO

Mahatma Gandhi University Innovation Foundation (MGUIF)



GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS
Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that MGU INNOVATION FOUNDATION is incorporated on this Nineteenth day of December Two thousand nineteen under the Companies Act, 2013 (18 of 2013) and that the company is limited by guarantee.

The Corporate Identity Number of the company is U85300KL2019NP1.060819.

The Permanent Account Number (PAN) of the company is AANCM1695D *

The Tax Deduction and Collection Account Number (TAN) of the company is TVDM02953G *

Given under my hand at Manesar this Nineteenth day of December Two thousand nineteen .



Digital Signature Certificate
Mr Parvinder Singh
DEPUTY REGISTRAR OF COMPANIES
For and on behalf of the Jurisdictional Registrar of Companies
Registrar of Companies
Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on www.mca.gov.in

Mailing Address as per record available in Registrar of Companies office:

MGU INNOVATION FOUNDATION
Mahatma Gandhi University, Priyadarsini Hills P. O, KOTTAYAM,
Kottayam, Kerala, India, 686560



* as issued by the Income Tax Department

WEBINAR “Facilities & Opportunities in MGU Innovation Foundation as Business Innovation Ecosystem of Mahatma Gandhi University”



MGU INNOVATION FOUNDATION

(Section 8 Company under companies Act 2013)

Mahatma Gandhi University Campus

Kottayam, Kerala

Ph: 0481 2992684, E-mail: info@mguif.com

www.mguif.com



WEBINAR

“Facilities & Opportunities in MGU Innovation Foundation as Business Innovation Ecosystem of Mahatma Gandhi University”

DATE: 24th MAY 2023 AT 12.00 PM

Google Meet Link: <http://meet.google.com/inv-ncvs-bxd>

Dear Colleagues and Students,

MGU Innovation Foundation is a non-profit Section 8 company under the Companies Act, 2013 (A Special Purpose Vehicle) incorporated on 19 December 2019 with the aim of functioning as a business innovation ecosystem of Mahatma Gandhi University. The organisation is functioning under the guidance of the RUSA 2.0 project of Ministry of Education.

Product and Services Offered by MGUIF:

- Co-working Space & Virtual Incubation for Start ups
- Pilot Spray Dryer
- Audio and Video Pro-Suite
- High Performance Computing Facility (HPC)
- Up Skilling Modules (Under finishing school and career hub)

MGU Innovation Foundation is conducting a webinar on “Facilities & Opportunities in MGU Innovation Foundation as Business Innovation Ecosystem of Mahatma Gandhi University”, on 24th May 2023 at 12.00 PM highlighting the various facilities available to various innovators. MGUIF team will interact with the participants on the incubation processes.

Google Meet Link: <http://meet.google.com/inv-ncvs-bxd>

Students, Faculty members and all other innovators are invited to attend the webinar.

The presentation will cover the Incubation Process and the various services MGUIF provide

Sd/-

Prof. Dr. Sabu Thomas
Vice Chancellor &
Chairman & Managing Director MGUIF

Products and services MGU Innovation Foundation as Business Innovation Ecosystem



MGU INNOVATION FOUNDATION

(Business innovation ecosystem of MGU with incubators)

LET'S TALK ABOUT THE FUTURE... 

Contact : 0481 - 2992684   

Email : info@mgulf.com  

Website : www.mguif.org  



Products and services MGU Innovation Foundation as Business Innovation Ecosystem



COWORKING SPACE & VIRTUAL INCUBATION FOR STARTUPS

SUPPORT SERVICES

- ✓ Branding as "MGU incubated company"
- ✓ Incubation support
- ✓ Mentorship
- ✓ Investor connects
- ✓ Business support services
- ✓ Facilitating R & D support
- ✓ Entrepreneurship training
- ✓ Superior coworking space and infrastructure
- ✓ Seed funding
- ✓ Product demo zones & startup launches
- ✓ 100 % power backup
- ✓ Centralized air-conditioned building
- ✓ Corporate connects & partnered programmes
- ✓ Adequate Parking space

Products and services MGU Innovation Foundation as Business Innovation Ecosystem

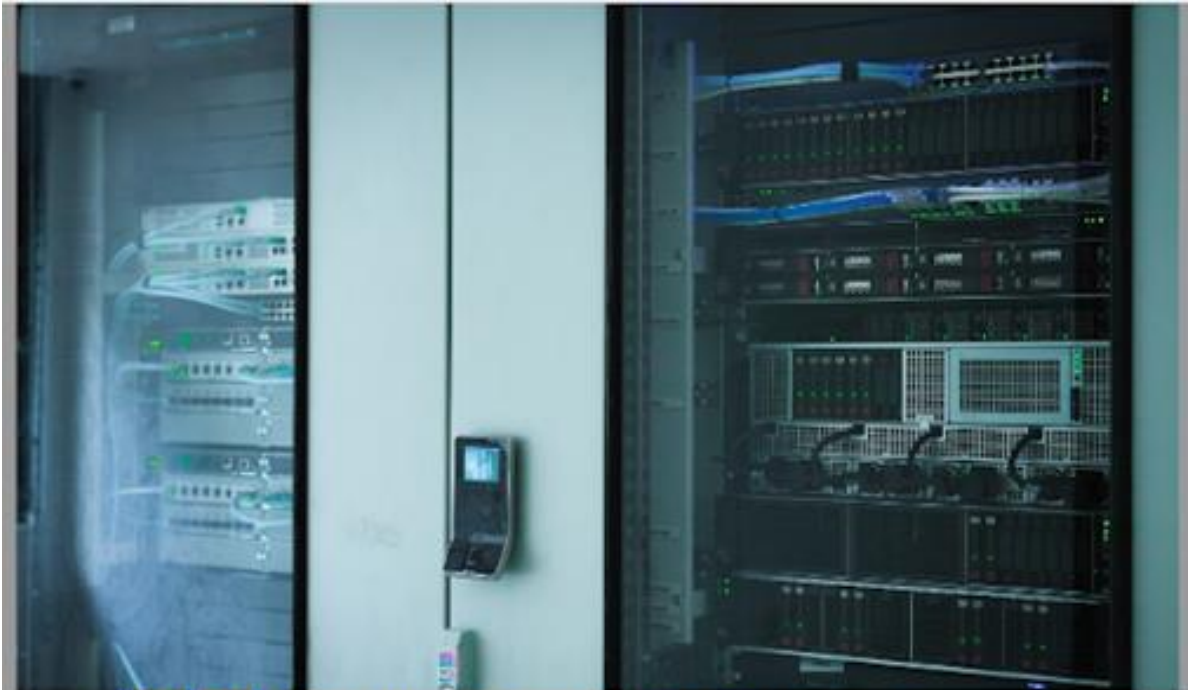


AUDIO & VIDEO STUDIO PRO SUITE

About Studio

- ✓ Industrial-standard lighting
- ✓ Highly defined sound-proof systems
- ✓ Recording and editing facility
- ✓ E-Learning Content Creation
- ✓ Live lecture Broadcast
- ✓ Social media Broadcasting
- ✓ Audio Podcast
- ✓ Ads and Photoshoots
- ✓ Video Production
- ✓ Device tutorials and simulations Training
- ✓ Augmented / Virtual reality visual field cut

Products and services MGU Innovation Foundation as Business Innovation Ecosystem



HIGH PERFORMANCE COMPUTING

- ✔ Highly useful for faculty, researchers, students and industry to investigate complex research problems in science and engineering.
- ✔ Used to complete an operation under a tight deadline and perform high number of operations per second.
- ✔ Improves processing speeds, which can be critical for many kinds of computing operations, applications and workloads.
- ✔ Used in understanding and designing materials with novel physical properties by performing mechanical simulations.
- ✔ Used in precision medicine, accurate weather prediction simulations and computational fluid dynamics.
- ✔ Also used in artificial intelligence, quantum simulations, data analytics and machine learning, advanced imaging techniques, chemicals and material development process.

Products and services MGU Innovation Foundation as Business Innovation Ecosystem



PILOT SPRAY DRYER

- ✓ A powerful technological process for the production of free-flowing particles with well-defined particle size.
- ✓ Finds applications in industries like Food and Dairy, Herbal and Cosmetics, Agrochemicals, Organic and Inorganic Chemicals, Pharmaceuticals and Nutraceuticals, Biotechnology and Chemical industries.
- ✓ R & D support and testing facilities for product development and bulk production.
- ✓ Collaborative research involving academy and industry.

Products and services MGU Innovation Foundation as Business Innovation Ecosystem



SOLAR PLANT

Solar powered innovation facility with 65 KW Capacity



MGUIF UPSKILLING MODULES

[Under Finishing School & Career Hub Of MGUIF]

- ✓ Mobile App Development
- ✓ Web Development
- ✓ Business Analytics
- ✓ SAP
- ✓ Blockchain
- ✓ Deep Learning
- ✓ Cybersecurity
- ✓ Machine Learning
- ✓ Artificial Intelligence

UPSKILLING PROGRAMME FOR STUDENTS & PROFESSIONALS

LAUNCHING SOON – REGISTER NOW

Contact : 0481 - 2992684

Email : info@mguif.com

Website : www.mguif.org

Products of MGU Innovation Foundation as Business Innovation Ecosystem

Native Operative Reception Assistant (NORA)

NORA is a socially inclusive human-robot interface for interactive receptionist system and wayfinding inter mapping applications is designed and developed by mgu innovation foundation. This robot specifically focuses on receptionist scenarios, which can be regarded as a good benchmark for social robotics applications given their implications on human-robot interaction to acquire information related to the university. With advanced QR code based inter mapping facilities help visitors, students to get the accurate locations to where they want to go and get information regarding the departments and other facilities with an easier manner. Including advanced face recognition, voice feedback, question-answer sessions, location finding, hand movements, and integration with a 10-inch tablet for displaying maps and other details.

- Voice assistance
- Arm movement enabled
- 3.5 feet/5 feet high
- Female figure
- Remote control facility
- 10 inch interactive display
- AI enabled
- Live interaction
- Location mapping on QR code scanning
- 24-30 hour battery back

Products of MGU Innovation Foundation as Business Innovation Ecosystem

Automated Mushroom Farming Using Sensors



Mahatma Gandhi University has developed 'Automated Mushroom Farming Using Sensors' in collaboration with MGU Innovation Foundation aimed to automating the process of mushroom farming. The device constantly measuring the temperature and humidity of the mushroom farming room and maintaining its temperature and humidity through the springer system. It also waters the mushrooms at certain intervals of time. The device can control these factors about a room size of 3000² feet and it comes with a central control box, 2 sets of pump, a Power supply unit, and a sensor box. The whole system is controlled with ATmega328P Microcontroller with a 12V 5A Power supply unit. It has a build-in bios system with a user interface display. The two pumps are regulated with internal relays one works in 220V AC and other with 12V DC. Users can control the device's different modes and monitor temperature and humidity using the 4 buttons provided. 12V DC relay regulates the springer system of the room and 220V AC relay regulates the watering system of whole room.

Products of MGU Innovation Foundation as Business Innovation Ecosystem

Automated Mushroom Farming Using Sensors

The device comes with an internal clock using the RTC module which helps in timing the watering system of the mushroom. It can set up to 4 different timing for the watering system. The interval of the watering can be set by the user itself. Thus over usage of water can be eliminated as a precise watering interval can be set and watering system can be activated 4 times in a day.

Working :

First user should find appropriate room for the farming with mostly no sunlight is visible and select correct specification of the water pump and springer system. We suggest Non Filtered bags in spawn where filtered bags are either unavailable or too costly. Usually bags of 15 to 17 cm wide and about 30 cm long with gussets, are filled with wet substrate of mixed grain and saw dust. The watering system and springer system should be set according to the number of bags and the location of each bags. Main control box along with power supply unit and Indicator junction box should place outside the farming room. Sensor box should place in the farming room safely and avoid any water damages. The 2 pumps must be connected to the Main control box through the Indicator junction box.

After setting up the room and device, user should set the internal clock of the device to the current time which ensures the correct timing for the watering system. Then user can set time for turning ON the watering system, we have provided four different timings. User can adjust this according their needs. Then user should set the interval for the watering system in minutes. After set interval then device automatically shuts the watering system. User can monitor the temperature and humidity of the room through the display in the device, we can read the current temperature value and humidity value from it. It constantly measures it so that it can be maintained using the springer system, when temperature or humidity falls to certain point that we have set internally the springer system get activated and tries to maintain the desired and optimum level.



Products of MGU Innovation Foundation as Business Innovation Ecosystem

Automated Mushroom Farming Using Sensors

HARDWARE DETAILS

- **Arduino Uno:** The main microcontroller that will run the program to control the various components of your system.
- **RTC (Real-Time Clock) Module:** This module provides accurate date and time information to your Arduino. It's essential for scheduling events and actions based on time, such as turning on and off the pump at specific times.
- **Relay Module:** This module allows your Arduino to control high-voltage devices like the 230-volt pump. It acts as a switch to turn the pump on and off based on your program's logic.
- **LCD Module:** The LCD (Liquid Crystal Display) module is used to display important information, such as the current time, status of components, and perhaps even user interface controls for manual adjustments.
- **Sensors:** Depending on your requirements, you might need sensors to monitor the climate inside the mushroom growing environment. This could include temperature and humidity sensors to ensure optimal conditions. DHT 11 is the sensor module we had used.
- **Water Sprayer System:** Water spraying mechanism to distribute water in the growing environment. This could include a water pump, tubing, and a nozzle system.
- **Power Supply:** Suitable power supply for the Arduino and all the connected components. 12 Volt inbuilt supply is used.

Products of MGU Innovation Foundation as Business Innovation Ecosystem

Automated Mushroom Farming Using Sensors



Products of MGU Innovation Foundation as Business Innovation Ecosystem

Natively Developed Journal Management System – “Scholar Note”

In 2021, IQAC proposed to develop a new JMS which is an innovative system which can host huge number of journals with more advanced functions such as increased efficiency of publishers, hands-on control for editors, reviewer comments, plagiarism checks and blogging system where participants can like share and comment like any other social media posts. Accordingly, by pooling intellectual output especially from IQAC, School of Tourism Studies and various experts, MGU Innovation Foundation, the innovation ecosystem of the University has developed a full fledged Journal Management System. The aim of this work was implementation of an editorial management and peer-review system that gives access to innumerable journals in various disciplines domestically and abroad, that integrates and exchanges information between authors, reviewers, and editors in the publishing process. Scholar.Note is designed and developed using the front-end technology of HTML, CSS, Bootstrap & JavaScript, Back-end as PHP with Laravel Framework and Database as MySQL. The Version control is managed through DevOps and GitHub. Scholarly manuscripts can be submitted to the new platform through <https://scholarnote.in/> thus making Scholar.Note an easy-to-use online journal publishing and management platform. Scholar.Note offers a transparent peer review process that notifies the author on every stage of the process.

Features of Journal Management System:

- Hosting huge number of journals
- Manuscript Submission
- Automated Editorial Workflow
- Peer Review Management
- Collaborative Tools
- Plagiarism Checking
- Smart Dashboards
- Advanced Analytics and Reporting



SCHOLAR·NOTE

Asian Tourism Research

HOME

SEARCH

LOGIN

Easy Submission,
Peer Review &
Publication Process

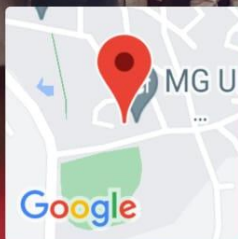
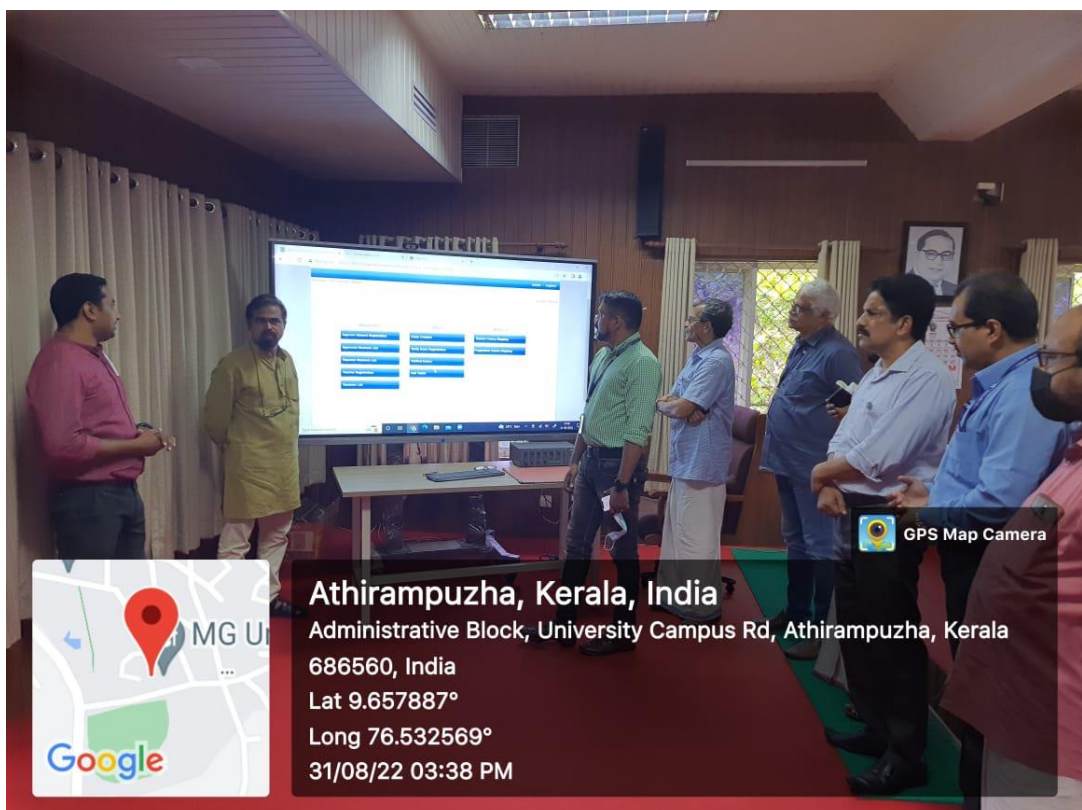
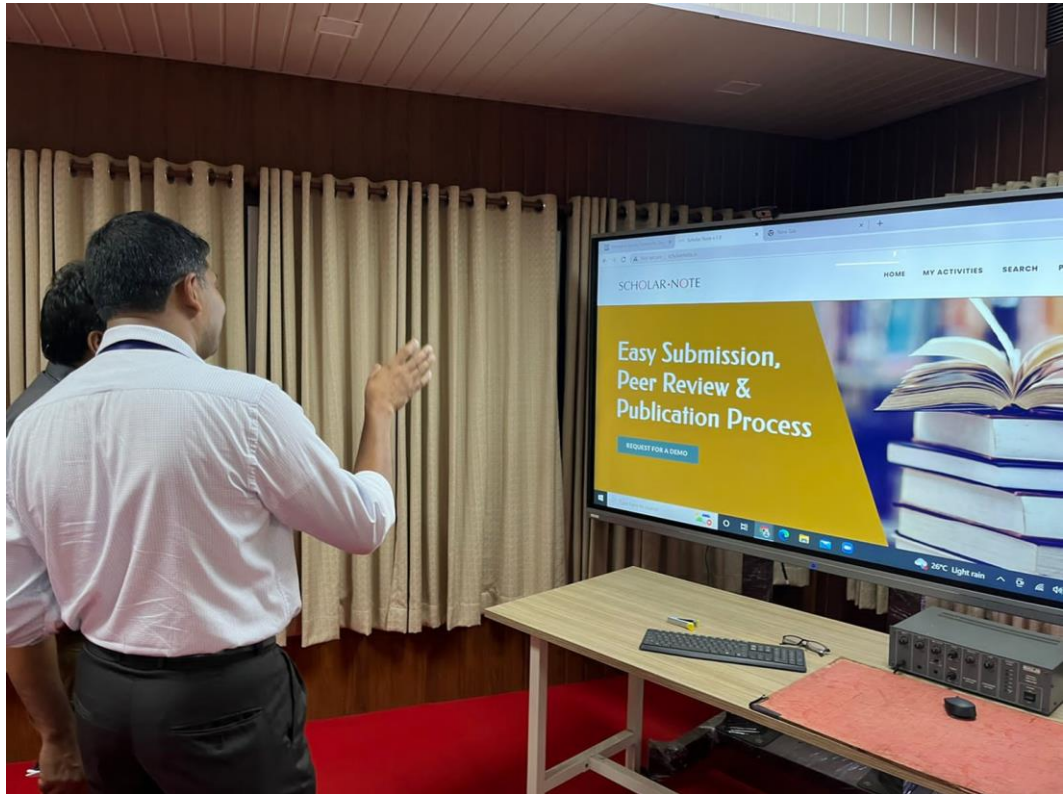
REQUEST FOR A DEMO



DVL Systems Pvt Ltd

Products of MGU Innovation Foundation as Business Innovation Ecosystem

Indigenously Developed Journal Management System “Scholar.Note”



Athirampuzha, Kerala, India

Administrative Block, University Campus Rd, Athirampuzha, Kerala

686560, India

Lat 9.657887°

Long 76.532569°

31/08/22 03:38 PM

Relevant videos of MGU

Business Innovation and Incubation Centre (BIIC)

<https://youtu.be/LxOIOhiIQg0?si=EctE2pvmRhIZKAo>

MGU Innovation Foundation

<https://www.youtube.com/watch?v=Hu4dgzAmcTg>



MAHATMA GANDHI UNIVERSITY



Mahatma Gandhi University
Priyadarsini Hills P. O.
Kottayam, Kerala - 686560

(Re-accredited by NAAC with A Grade)

**7.2 Institutional Values and Social
Responsibilities-
Best Practice 2**

Best Practice 2
Reaching the Unreached

| SL NO | Title | Link |
|--------------|---|-----------------------------|
| 1 | Reaching the Unreached | <u>View</u> |
| 2 | Indigenous Farming Project | <u>View</u> |
| 3 | Visiting Tribal Settlement Area | <u>View</u> |
| 4 | Mushroom Farming Training | <u>View</u> |
| 5 | Training for Bee Keeping | <u>View</u> |
| 6 | Training on Fish Farming | <u>View</u> |
| 7 | Model Organic Farm Creation | <u>View</u> |
| 8 | Distribution of Calves to Tribal Farmers | <u>View</u> |
| 9 | Village Development Action Plan- Tribal Seed Bank (TSB) | <u>View</u> |
| 10 | Inauguration and Orientation of Indigenous Organic Farming Project | <u>View</u> |
| 11 | Oorukootam: Tribal Grass Root Level Meeting under Unnat Bharath Abhiyan | <u>View</u> |
| 12 | Organic Farmer's Meet | <u>View</u> |
| 13 | “Samaksham”- First Full-length Feature Film that a University has Produced in Kerala | <u>View</u> |

Best Practice 2
Reaching the Unreached

| SL NO | Title | Link |
|--------------|---|----------------------|
| 14 | Vocational Training and Rehabilitation Centre and Programme | View |
| 15 | Hearing Disability Diagnosis and Hearing Aid Distributions | View |
| 16 | Establishment of ‘Thanal’ Palliative Care Unit | View |
| 17 | Diploma Course in Palliative Care | View |
| 18 | Disability, Rehabilitation, Early Intervention and Management Services (DREAMS) | View |
| 19 | Auticare Virtual Reality Lab Facility for Teaching Learning of Autism Affected Students | View |
| 20 | Legal support services | View |
| 27 | Hand sanitizer preparation at SCS during covid-19 period (An initiative of IQAC in collaboration with School of Chemical Sciences) | View |
| 28 | IUCBR (Inter-University Center for Biomedical Research \$ Superspeciality Hospital) | View |
| 29 | COVID-19 Diagnosis at IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital) (4.5 Lakh test) | View |
| 30 | IUCBR Prepared Guideline During COVID-19 | View |
| 31 | (Inter-University Center for Biomedical Research \$ Superspeciality Hospital)- Medical Survey | View |
| 32 | News Report on IUCBR (Inter-University Center for Biomedical Research \$ Superspeciality Hospital) | View |
| 33 | The University of the Third Age (U3A) program at Mahatma Gandhi University (MGU) | View |
| 34 | Relevant videos of MGU | View |

Title of the Practice:

‘Reaching the Unreached’

At the heart of Mahatma Gandhi University ethos lies an unwavering commitment to social welfare and community inclusion. This noble vision permeates every facet of our organizational culture, shaping our interactions, initiatives, and endeavors. We recognize that our role as an educational institution extends beyond the confines of academic excellence, encompassing a profound responsibility to uplift and empower the less privileged members of our society. With an unyielding dedication to enhancing the quality of life and overall well-being of these individuals, our university stands as a beacon of compassion, innovation, and change.

In alignment with our core values, a multitude of community-related activities have been intricately woven into the fabric of all our academic and administrative departments. This concerted effort ensures that the spirit of community engagement and welfare is not confined to a particular domain but is integrated seamlessly throughout our university ecosystem. Our approach transcends mere tokenism, as we aim to foster a holistic culture of empathy and active participation in addressing pressing societal issues.

Central to this initiative is the Department of Lifelong Learning and Extension. Functioning as a vibrant hub of outreach and engagement, this department serves as a bridge between the academic realm and the diverse communities we serve. By spearheading projects, workshops, and awareness campaigns, it channels the collective expertise of our university into tangible solutions for real-world challenges. The department embodies our commitment to lifelong learning as a means to empower individuals from all walks of life, irrespective of their socio-economic background.

Further amplifying our commitment, the Inter-University Centre for Biomedical Research and Super Specialty Hospital harnesses the prowess of medical research and healthcare services to cater to the marginalized segments of society. This institution is not merely a center of excellence in medical science; it also stands as a testament to our dedication to ensuring equitable access to quality healthcare. Through cutting-edge research and specialized medical services, we endeavor to narrow the gap between privilege and disadvantage, working relentlessly to extend the benefits of modern medicine to the farthest corners of our community.

Similarly, the School of Behavioral Sciences and the Inter-University Centre for Disability Studies (IUCDS) occupy pivotal roles in our community welfare endeavors. These institutions epitomize our commitment to inclusivity and empowerment, focusing on understanding and addressing the unique challenges faced by individuals with disabilities. By conducting research, offering specialized education, and fostering a culture of respect and understanding, these schools endeavor to create a society where every individual's potential is realized, regardless of their physical or cognitive limitations.

These departments and schools are not mere appendages but are the pulsating heartbeats of our university's extension activities for community welfare. Their collective efforts amplify the impact of our commitment to social welfare, underscoring the depth of our engagement and the reach of our influence. As they collaborate with various communities, organizations, and individuals, they act as catalysts of change, transcending boundaries and nurturing a culture of shared responsibility.

Indigenous Farming Project

Department of Lifelong Long Learning and Extension, Mahatma Gandhi University Indigenous Organic Farming Project supports **14 tribal villages in Kerala's Idukki, Kottayam, and Ernakulam districts. It focuses on tribal groups like Mala Arayan, Urali, and Mannan.** The project aims to boost food security, education, health, sanitation, and income through organic farming. It also promotes afforestation, skill development, and bioenergy to improve the overall well-being of tribal communities.

<https://dlle.mgu.ac.in/wp-content/uploads/2022/06/INDIGENOUS-ORGANIC-FARMING-PROJECT.pdf>



Visiting Tribal Settlement Area

VISIT TO THE TRIBAL SETTLEMENTS AND SREE SABAREESA FOR PROJECT ORIENTATION - 08TH AUGUST 2018

Dr. Bibin Jojo, Professor at the Tata Institute of Social Science has visited the tribal settlements under the project on 8th August 2018. The visit was in connection with the implementation of the Indigenous Organic Farming Project. Dr. Bibin Jojo is an eminent scholar in tribal studies. He had enlightened the SreeShabareesha College and its students on the importance of the project and also the strategies to be adopted for the successful implementation of the same. The staff and students who are engaged in the Block Placement in the Department of Lifelong Learning and Extension also participated in the visit.



Mushroom Farming Training

MUSHROOM FARMING TRAINING

28-12-2018

A Training programme for mushroom farming was organized for the tribal farmers at the Moonnilavu Panchayath Complex. The faculty for the training session was Sri.Velappan, a well-known organic farmer from Ernakulam District. Almost hundred farmers from the panchayath have participated in the training programme. Seeds and Mushroom beds were distributed for the participants. The programme was also a tool for sustainable development through organic farming.



Training for Bee Keeping

TRAINING FOR BEE KEEPING AND BEEHIVE BOX DISTRIBUTION TWO DAYS PROGRAMME

Session 01 : 07-11-2018 - 08-11-2018

Session 02 : 19-11-2018 - 20-11-2018

Sustainable development of the tribal area being the focus of the project, the department has designed various methods for it through the adoption of Organic Farming Method. The very first step was to give training for the tribal people from two districts on Bee Keeping. Anything organic is on a high demand in the present society and honey is something which is mostly found in the adulterated form. So a training to produce good quality honey will be a good and sustainable source of income for the tribal farmers.

The sessions were handled by the experts from the HortiCorp, Mavalikkara. After the training, each of the beneficiaries were given a beehive box.



Training on Fish Farming

TRAINING ON FISH FARMING

29-01-2019

A workshop was organized at the Moonnilavu Panchayath Hall and Idukki on Fish Farming. The idea was to give a comprehensive training on Fish Farming. Both the training programmes were conducted exclusively for the tribal farmers of both districts. Ten farmers from Idukki District were selected from the Idukki district for the implementation of the Project. For these tribal farmers of the Idukki districts, a financial aid of Rs. 20,000/- per farmer was also provided for the construction of Fish Pond and for purchasing fishes. The tribal farmers were provided with training and the financial aid to equip them to be financially independent.



Model Organic Farm Creation

DISTRIBUTION OF VEGETABLE SEEDS, FRUIT SAPLINGS AND CREATION OF A MODEL FARM

29-01-2019

The tribal farmers who are willing to and who possess half an acre of land were selected and were provided with Vegetable seeds and Fruit Saplings for making a model farm at their houses. The seeds were collected from the Organic Farmers and the fruit saplings were collected from an organic farm.



Distribution of Calves to Tribal Farmers

DISTRIBUTION OF CALVES TO TRIBAL FARMERS AT MOONNILAVU

22-03-2019

Fifteen tribal farmers of Moonnilavu Panchayath were distributed with calves. The beneficiaries were identified from the survey conducted initially and also with the help of the panchayath. The prime focus was to make the farmers economically independent and also on agreement that the first calf from them will be handed over to the department and there by the process can be rotated and it can be given to the other eligible tribal farmers.



Village Development Action Plan- Tribal Seed Bank (TSB)

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR16SE359NO9774.pdf>

Seed banking is a programme will help the tribal people for securing access to food security through sustainable agricultural practices in hilly areas. The scheme directly benefit 2000 tribal families and indirectly benefit thousands of farmers.

Objectives

- To establish an integrated seed bank in Idukki district this promotes the preservation of indigenous seeds.
- To develop participatory organic farming researches in the area that study, develop and model scientific local farming technologies with the active participation of tribal organic farmers.
- To establish an organic fertilizer research and development unit that is actively involved in field farming researches.
- To establish soil and water testing facilities for the local tribal people in order to increase the productivity of organic produces.
- To organize mass communication measures in the selected villages of the district to support the framers in integrated farming that strictly rely on soil, water, and natural resource conservation.
- To invent farm technologies, equipments and establish live models of effective farming in barren lands.

Targeted Villages The primary beneficiaries of the project consists of 22 tribal settlement villages, in which the farmers of the selected villages will utilize its benefit in the first stage by seed banking and other component activities of the center. General public will also receive the services of the center, so that it became a vital zone for preserving the traditional breeds of the district.

Stage 1

The seed banking process will be undertaken with stages such as (1) Collection & Categorization, (2) Efficient Seed Preservation, and (3) Integrated Transition from Storage to Planting. All the atges of the seed banking process strictly follow the organic farming principles and theories.

Stage 2

During this stage the seed bank will ensure Food Security and foster the promotion of self sustaining tribal communities.

Village Development Action Plan- Tribal Seed Bank (TSB)



**WELCOME TO
SREE SABAREESA COLLEGE**
(India's First Aided College Run by Tribal management)



BIPIN JOJO. (ODISHA)
Professor, Center for Social Justice & Governance
School of Social Work, Mumbai Campus
TATA Institute of Social Sciences (TISS)

2018 August 7
Sree Sabareesa College Campus
Murukkumvayal

Interaction with Students
Discussion with Faculty
Management Conference
Tribal Village Visits



Village Development Action Plan- Tribal Seed Bank (TSB)



Inauguration and Orientation of Indigenous Organic Farming Project

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR16SE355NO9656.pdf>

Department of Lifelong Learning and Extension, Mahatma Gandhi university has adopted 14 tribal villages as part of the Indigenous Organic Farming Project.(IOFP). Kerala has a vast forest reserve area and there are many tribal settlement areas in Idukki ,Kottayam & Ernakulam Districts . Mala Arayan, Urali, Ulladan, Muthuvan, Mannan and Hill Pulaya are the major tribal groups inhabited in the various parts of these districts. Tribal Organic Farming Promotion Project initiated by Mahatma Gandhi University Kerala helped the tribal people for securing the access to food security/ Education/Health /Sanitation / /Drinking Water/ Afforestation / skill Development / Bioenergy, and increase in their per capita income through Organic Farming

VISION :

To reinstate the organic farming culture among tribal farmers through University System

OBJECTIVES:

Department of Lifelong Learning and Extension, Mahatma Gandhi University is instrumental in bringing the Organic Farming to the forefront and that mission turned out to be a state wide programme.

Major objectives of project are:-

1. To promote sustainable organic agricultural practices in selected tribal villages of Idukki , Ernakulam & Kottayam districts.
2. To assist the tribal framers financially and technically for land design, planting, organic fertilizing, irrigation, harvesting, storage and effective marketing.
3. To develop organic tribal farmers groups in villages and establish organic seed banks, organic fertilizer units and sustainable market system
4. To help the tribal people for securing the access to food security/ Education/Health /Sanitation / /Drinking Water/ Afforestation / skill Development / Bioenergy , and increase in their per capita income through Organic Farming

Inauguration and Orientation of Indigenous Organic Farming Project



Inauguration and Orientation of Indigenous Organic Farming Project



Inauguration and Orientation of Indigenous Organic Farming Project



Inauguration and Orientation of Indigenous Organic Farming Project



Oorukootam: Tribal Grass Root Level Meeting under Unnat Bharath Abhiyan

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR16SE355NO9659.pdf>

Unnat Bharat Abhiyan is a programme which aims to build developmental relationship between higher educational institutions and villages. Department of Life Long Learning, Mahatma Gandhi University Kottayam in association with Sree Sabareesa College, Murukkum Vayal organized tribal grass root level meeting which is known as “Oorukootam” to assess the needs and plan strategic projects by the active participation of tribal people.

Objectives of the Oorukootam

To analyze the various local issues faced by the tribal people at the village level.

To conscientise the tribal farmers about their issues, and need for participatory micro level planning.

To prepare participatory sustainable development projects at the village level by the active participation of the local community.

Process of Oorukootam

The Oorukootam was organized through different stages of activities such as training for coordinators, rapport building, communication, organization of meeting in a public place, discussion of village issues, prioritization of issues, analysis of cause and effects, development of local strategies to manage the issue, discussion regarding maintenance of sustainability etc.

Oorukootam Orientation Programme

Oorukootam orientation training for the coordinators were organized at Sree Sabareesa College Community Extension Center Thodupuzha. Tribal leaders were selected participated from the 13 tribal villages selected for the Oorukootam.

Villages Succesfully Completed Oorukootam (in Idukki District) on 15th August 2018

| <i>Sl No</i> | <i>Name of the Tribal Village</i> | <i>Grama Panchayath</i> | <i>Tribal Groups inhabited</i> |
|--------------|-----------------------------------|-------------------------|--------------------------------------|
| 1 | Uppukunnu | Udumpannoor | Mala Araya, Urali, Ullada |
| 2 | Peringasserry | Udumpannoor | Urali, Ullada, Mala Araya |
| 3 | Moolakkadu | Udumpannoor | Urali, Mala Araya |
| 4 | Velliyamattom | Velliyamattom | Mala Araya, Ullada, Urali |
| 5 | Methotty | Velliyamattom | Ullada, Urali, Mala Araya |
| 6 | Poomala | Velliyamattom | Mala Araya, Ullada, Urali |
| 7 | Devarupara | Velliyamattom | Ullada, Mala Araya |
| 8 | Karippilangadu - Kolapram | Velliyamattom | Mala Araya, Urali |
| 9 | Vellellu | Vannapuram | Ullada, Mala Araya, Urali |
| 10 | Pathippally | Arakkulam | Urali, Mala Araya |
| 11 | Poochapra | Velliyamattom | Urali, Mala Araya |
| 12 | Valiyamavu | Arakkulam | Mala Araya, Urali, Ullada |
| 13 | Pinavoorkudi | Kuttampuzha | Muthuvan, Mannan, Mala Araya, Ullada |

Oorukootam: Tribal Grass Root Level Meeting under Unnat Bharath Abhiyan



Oorukootam: Tribal Grass Root Level Meeting under Unnat Bharath Abhiyan



Organic Farmer's Meet

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR16SE359NO9772.pdf>

The Department of Lifelong Learning and Extension, Mahatma Gandhi University, Kottayam, in collaboration with the Aikya Mala Araya Mahasabha, Idukki district, organized an Organic Farmer's Meet on 16th March 2018. The event took place at the Sree Sabareesa College Community Extension Centre, Thodupuzha. The primary objective of the meet was to promote organic farming practices among farmers and provide them with a platform to exchange knowledge and experiences. This report outlines the key highlights and outcomes of the event.

Participants: The Organic Farmer's Meet saw an impressive participation of 200 individuals comprising farmers, agricultural experts, researchers, and students. This diverse gathering ensured a rich exchange of ideas and perspectives on organic farming.



Organic Farmer's Meet



“Samaksham”- First Full-length Feature Film that a University has Produced in Kerala

Movie Link:

https://www.youtube.com/watch?v=38_b9fhmFWQ

It is a campus many of us are familiar with – the MG University Campus. Neelathamara fame **Kailash** too had visited the campus twice during his college days but it was his role in the upcoming **Samaksham** that gave him a very different perspective of the University, its working and the 100 acres of ground it stood on. Incidentally, **Samaksham** is claimed to be the first full-length feature film that a University has produced in Kerala. **The inspiration for the theme of the film came from the University grounds itself.** Kailash explains, "Three years ago, MG University launched the **Jaivam project, wherein the students with the help of the faculty grew organic vegetables at the campus.** This was such a success that the model was later replicated in the houses under the Panchayat." While the initial idea was to make a documentary, it was later decided to convert it into a feature film. The proposal was put forward before the Education Ministry and it was approved with the only condition that the film should concentrate on organic farming. The faculty of the college Aju Narayanan and Calicut University faculty Anwar worked out a one-liner that was presented and approved by the Ministry.

Kailash explains all this at length because he wants everyone to be aware of the immense work behind making this film. "It would be easy to just explain my role and finish it off. But no, I want to acknowledge the hard work that the officials of the University undertook to give shape to this project," he states. It was a totally new shooting experience for Kailash, who understood first hand how a film could be made using the available resources at hand. Confused?

He explains, "Since the budget was a constraint, the locations were all inside the campus. The vehicles for transportation were the University's and the cast and crew stayed in the campus hostels. Even the food we wanted was to be informed ahead so it could be prepared. All this was completely novel for me!" Kailash adds that the Registrar and the Vice Chancellor were lovers of the arts, which made things easier.



“Samaksham”- First Full-length Feature Film that a University has Produced in Kerala

Movie Link:

https://www.youtube.com/watch?v=38_b9fhmFWQ



MAHATMA GANDHI UNIVERSITY (Abstract)

'Jaivam 2017' - Authorising Sri. M.R. Unni, Registrar, Mahatma Gandhi University as the **Proprietor/ Producer of the film produced as part of the project -Sanctioned** – Orders issued.

Administration A7 - SECTION

No.1049/A7/3/2018/Admn

P.D. Hills, Dated-16/2/2018

Read:-

1. Minutes of the meeting of the Organising Committee of Jaivam Project held on 9.2.2018
2. Note No. Reg / 2 / 122/2018, Dated- 16/2/2018.

ORDER

The meeting of the Organising Committee of 'Jaivam 2017', the Bio-Farming Literacy Project being implemented by the University was held on 9.2.2018. As per the paper read as (1) above, aforesaid meeting decided to authorise Sri.M.R.Unni, Registrar, Mahatma Gandhi University as the Producer / Proprietor of the film produced as part of the "Jaivam Project" under the banner of 'Mahatma Gandhi University Creations'.

Hon' Vice Chancellor by exercising his powers under Section 10 (17), Chapter III of Mahatma Gandhi University Act 1985 has approved this decision.

Orders are issued accordingly.

Sd/-
Sunil Babu K.
Assistant Registrar (CAP)
For Registrar

Copy to:

1. Sri. Unni M.R., Registrar & Convenor, 'Jaivam 2017'
2. PS to VC /PVC
3. PA to Registrar/Finance Officer
4. J.R I (Admn)/ D.R. I(Admn)/ A.R. (CAP)
5. Joint Director, Kerala State Audit Department(M.G. University Audit)
6. Finance 1/4, Audit 1/5, Ac.C Section, Ad D Section

**“Samaksham”- First Full-length Feature Film that a University
has Produced in Kerala**



“Samaksham”- First Full-length Feature Film that a University has Produced in Kerala

MGU screening its movie on campuses

Its first production *Samaksham* screened at Maharaja's College

STAFF REPORTER
KOTTAYAM

Having rolled out the first full-length feature film by any university in the country and set to release its second production very soon, Mahatma Gandhi University is now reaching out to college students for screening the film.

Marking the campus release of its first production, *Samaksham* was screened at Maharaja's College, Ernaku-

lam, on Wednesday. This will be followed by screenings across 212 campuses over the next 10 days. Arrangements are in place for about 3.5 lakh students and 15,000 teaching and non-teaching employees to watch the movie.

Through NSS

The screening on different campuses are coordinated through the National Service Scheme.

The movie, which revolves around the perils of chemical-intensive agriculture, assumes significance in the wake of the deaths of two farmers in upper Kuttanad, allegedly after inhaling insecticide while spraying it. Produced by the MGU Creations, the movie was scripted and directed by Aju K. Narayanan and Anwar Abdullah, faculty members at the School of Letters here, and Malayalam University

respectively. Besides the campus release, the function at Maharaja's also marks the official audio launch of *Trip*, the second feature film to be rolled out by the MGU. Scripted and directed by M.R.Unni, Registrar, MGU, the movie has five songs composed by Jassy Gift.

The songs were penned by K. Jayakumar, OV. Usha and others and sung by Vaikom Vijayalakshmi, Najim Arshad and Preetha.

Film produced by MGU set for release

Samaksham is a 118-minute coming-of-age story centred on a young doctor

November 22, 2018 11:17 pm | Updated November 23, 2018 09:38 am IST - KOTTAYAM

STAFF REPORTER

COMMENTS SHARE

READ LATER



While short films and documentaries are not new for centres of education, Mahatma Gandhi University has gone further on the celluloid way and has made a full-length feature film.

Samaksham, a 118-minute coming-of-age story of a young doctor, and perhaps the first feature film produced by any university in the country, is set for a premiere in nine cinemas on Friday. Produced by MGU Creations under the supervision of Registrar M.R. Unni, the movie has been scripted and directed by Aju K. Narayanan and Anwar Abdullah

<https://www.thehindu.com/news/national/kerala/film-produced-by-mgu-set-for-release/article25570707.ece>

Vocational Training and Rehabilitation Centre and Programme

<https://sobs.mgu.ac.in/services/>

The rehabilitation center operating within the School of Behavioral Sciences is a distinct establishment in the country, being affiliated with a state university and providing services to intellectually challenged adults and their families.

Currently, the center's diverse skill training initiatives are organized into two groups, each consisting of 12-14 members.

One of these groups operates a file production unit under the guidance of a specialized instructor. This unit, assisted by students enrolled in postgraduate and M.Phil. programs in disability studies and special education, imparts training in creating office files. These files are sold for Rs. 14 per unit and enjoy considerable demand.

The second group of students is trained in tasks such as operating tea vending machines and Photostat services. Profits generated from these activities are shared among the students as their compensation. Furthermore, four students are engaged on a daily wage basis within the School of Behavioral Sciences to assist with housekeeping duties.

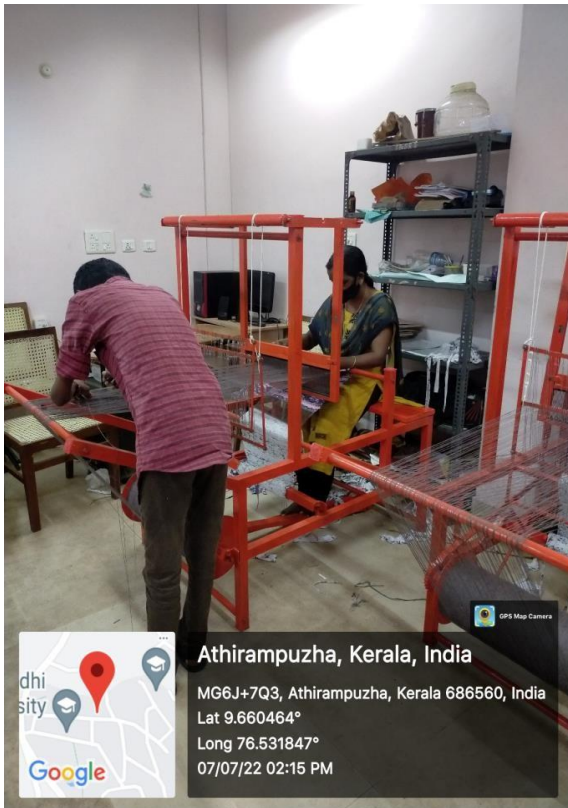
There are 24 adults with an intellectual disability taking training under the vocational rehabilitation Centre.

- 1.They are given training in making office files and the files are supplied to the University for office use. Ten of them are training at well stages, rest of them are in various stages.
- 2.They have been trained in tea or coffee making using vending machines.
- 3.Training has been given in the operation of the Xerox machine.
- 4.Few of the individuals are placed on a part time basis for cleaning the school in the morning. Four of them take turns every month and do their work and the University pays them regularly.
- 5.Some of them are given training in the basic operation of computers.
- 6.Training has been given in Task related academics – reg. Calculations money and banking, Signals & Symbols.
- 7.Training has been given for independent travel and also support training.
- 8.Training has been given in workplace Behavior, Sex Education, Self-Advocacy – They organize their own programs & Activities with the instruction of trainers.
- 9.These intellectually disabled individuals are given training in physical fitness using the Treadmill and offering yoga classes.
- 10.They actively participate in cultural programme in the departmental attend competitions organized by outside organizations in drawing, handwriting, music, fancy dress, speech etc. and few of them have received prizes. They also participated and celebrated ONAM, 'X'mas etc. along with the regular students of the various department, schools improving their social skills.
- 11.PT of the individuals is also active and regular training & awareness given to the parents regarding guardianship, social benefit scheme etc.
- 12.Guidance and counseling are also given to these individuals and parents in time of the need.

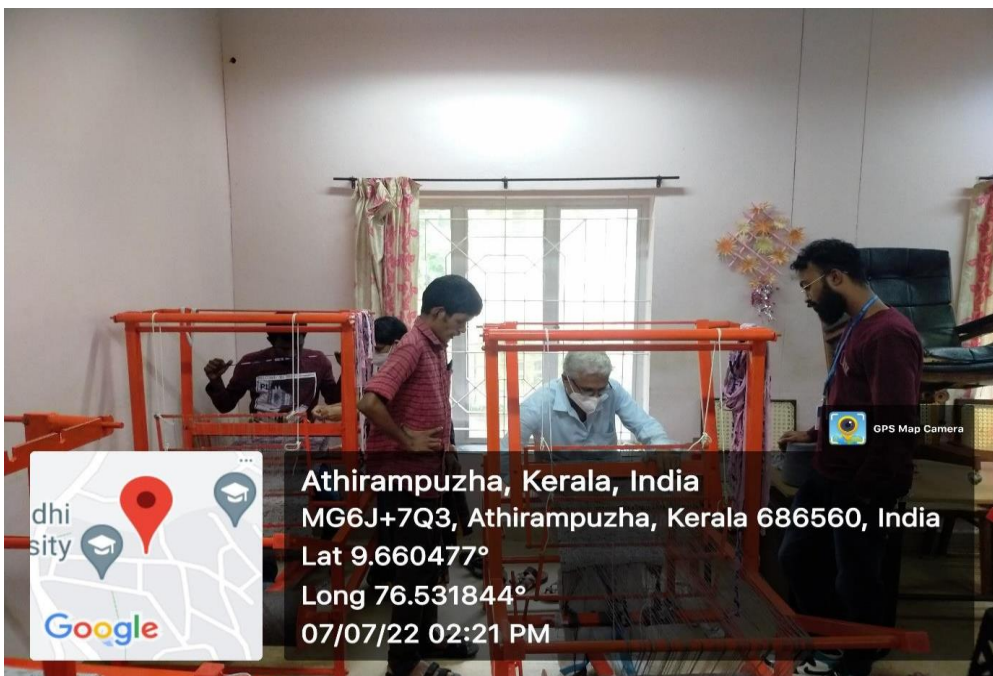
Vocational Training and Rehabilitation Centre and Programme



Vocational Training and Rehabilitation Centre and Programme



Vocational Training and Rehabilitation Centre and Programme



Hearing Disability Diagnosis and Hearing Aid Distributions

In collaboration with Mahatma Gandhi University and the Institute of Research in learning disabilities and National Speech and Hearing Disabilities, Mumbai continuously organized from 2018 onwards Mega Camp for hearing diagnosis and distribution of hearing aids.



Distribution of teaching-learning material worth Rs.10,000/- to children with intellectual disability in collaboration with the National Institute for Empowerment of Persons with Disabilities.

<https://sobs.mgu.ac.in/activities/>

Establishment of ‘Thanal’ Palliative Care Unit

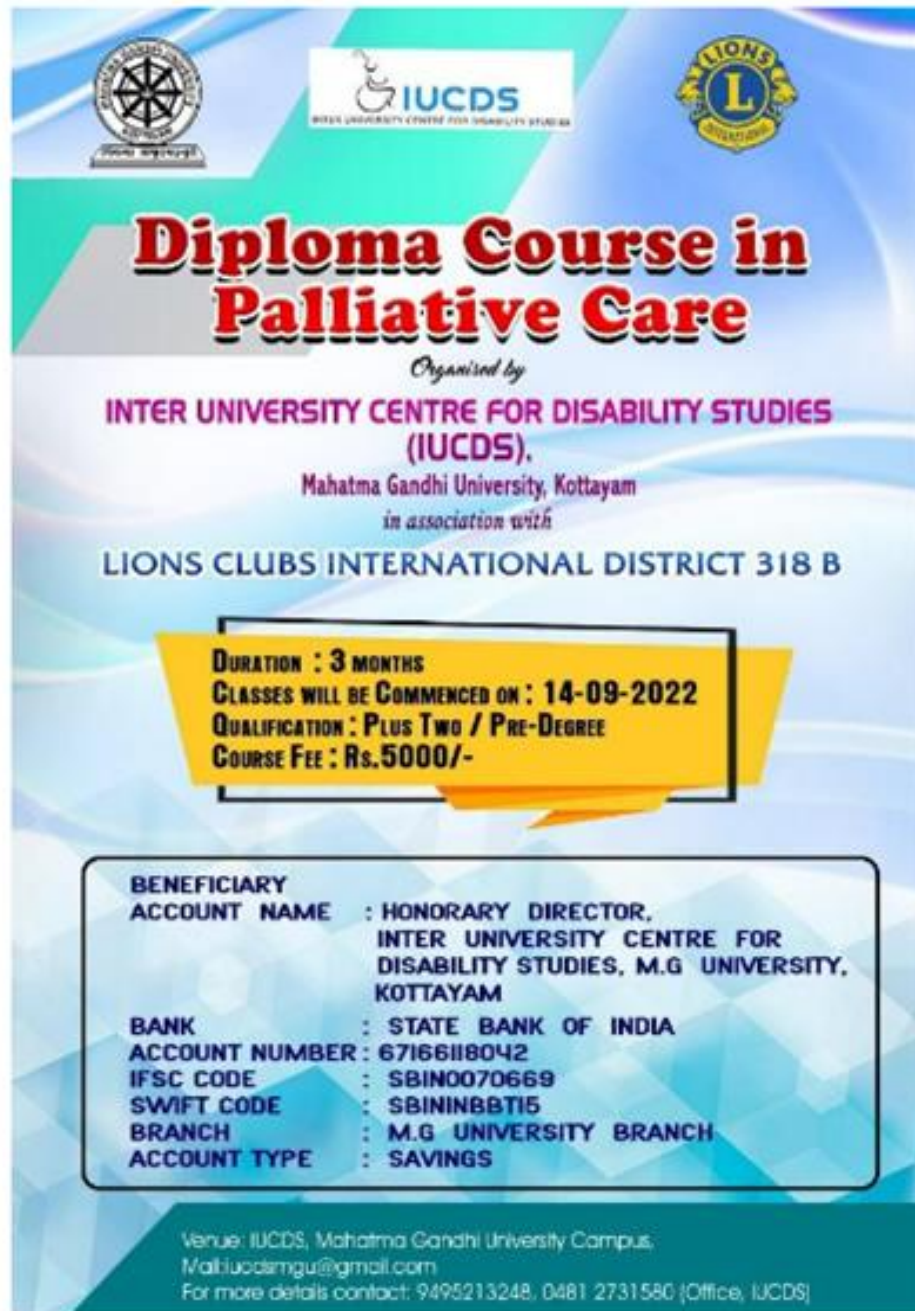
Inter-University Centre for Disability Studies (IUCDS) established a palliative care centre in 2020. The main objective of this centre is to give care to geriatric health care to mitigate suffering among people with severe, complex and often terminal illnesses. The centre is established with the support of the Palliative and paraplegic care society.

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR7SE182NO5699.pdf>



Diploma Course in Palliative Care

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR16SE359NO9771.pdf>



The poster features a blue and green geometric background. At the top left is the Mahatma Gandhi University logo. In the center is the IUCDS logo with the text 'INTER UNIVERSITY CENTRE FOR DISABILITY STUDIES'. At the top right is the Lions Clubs International logo. The main title 'Diploma Course in Palliative Care' is in large, bold, red letters. Below it, the text 'Organised by INTER UNIVERSITY CENTRE FOR DISABILITY STUDIES (IUCDS), Mahatma Gandhi University, Kottayam in association with LIONS CLUBS INTERNATIONAL DISTRICT 318 B' is displayed. A yellow box contains the course details: 'DURATION : 3 MONTHS', 'CLASSES WILL BE COMMENCED ON : 14-09-2022', 'QUALIFICATION : PLUS TWO / PRE-DEGREE', and 'COURSE FEE : Rs.5000/-'. A white box at the bottom contains beneficiary and bank information. At the very bottom, the venue and contact details are listed.

Diploma Course in Palliative Care
Organised by
INTER UNIVERSITY CENTRE FOR DISABILITY STUDIES (IUCDS),
Mahatma Gandhi University, Kottayam
in association with
LIONS CLUBS INTERNATIONAL DISTRICT 318 B

DURATION : 3 MONTHS
CLASSES WILL BE COMMENCED ON : 14-09-2022
QUALIFICATION : PLUS TWO / PRE-DEGREE
COURSE FEE : Rs.5000/-

BENEFICIARY
ACCOUNT NAME : HONORARY DIRECTOR,
INTER UNIVERSITY CENTRE FOR
DISABILITY STUDIES, M.G UNIVERSITY,
KOTTAYAM

BANK : STATE BANK OF INDIA
ACCOUNT NUMBER : 67166118042
IFSC CODE : SBIN0070669
SWIFT CODE : SBININBBT15
BRANCH : M.G UNIVERSITY BRANCH
ACCOUNT TYPE : SAVINGS

Venue: IUCDS, Mahatma Gandhi University Campus.
Mail: iucds@mgu@gmail.com
For more details contact: 9495213248, 0481 2731580 (Office, IUCDS)

Establishment of ‘Thanal’ Palliative Care Unit

Detailed Syllabus:

Module I : Basics of Palliative Care- End of life care, Basics of cancer pain management, Patient and family care

Module II : Pain and symptom management- chronic pain ,fatigue in cancer patient, Pain and analgesics ,End of life ,care in elderly ,pain ,neuropathic pain ,respiratory and Urological symptom, Nursing interventions for symptom management ,Palliative care for older adults ,palliative care in paediatrics .

Module III : Psychological and spiritual aspects –Social security in cancer patients, psychological crisis in Cancer.

Module IV : Ethical and legal issues- introduction to medical ethics, ethics in decision making, confidentiality, health information.

Module V : Communication – Interpersonal communication skills, Communication skills, facing the family of dying patient, maximize patient’s level of function and quality of life for patients and families.



Disability, Rehabilitation, Early Intervention and Management Services (DREAMS)

<https://iucds.mgu.ac.in/services/>

DREAMS, is a unit of IUCDS set up with the objective of helping children with disabilities, reach their potential and overcome their barriers of mainstreaming. We achieve this through collaborative teams, by empowering families, and by building resources and participating in advocacy.

Areas of disabilities focused

The centre provides services to persons with disabilities at grass root level.

- Intellectual Disability
- Physical impairment and Motor problems
- Psychological disorders/ Disabilities
- Visual Impairment
- Speech problems and Hearing impairment
- Autism spectrum disorders
- Learning Disability and other learning problems
- Attention Deficit and Hyperactivity Disorders (ADHD)
- Cerebral Palsy
- Developmental delays and high risk babies (Premature and low birth weight babies)
- Behavioural and emotional problems
- Ageing related disorders and disabilities

DREAMS works with a wide range of disabilities, including

- Mental Retardation
- Learning Disability
- Autism
- Attention Deficit Disorder/ Attention Deficit Hyperactive Disorders
- Speech and Language Problems
- Motor coordination
- Behavioral / emotional disorders.

Early Intervention Services

DREAMS offer a variety of therapeutic and support services to eligible people with disabilities and their families, including:

- Speech therapy
- Audiological assessment and intervention
- Physiotherapy
- Occupational therapy
- Psychological services

Disability, Rehabilitation, Early Intervention and Management Services (DREAMS)

Psychological Intervention

- Family education and counselling
- Home visits and parent support groups

Community-Based Intervention

- Social work services
- Assistive technology devices



Inauguration of the Physiotherapy unit by Dr. M K. Muneer, Hon'ble Minister of Social Welfare and Panchayath

**Disability, Rehabilitation, Early Intervention and Management
Services (DREAMS)**

INAUGURAL CEREMONY OF 'DREAMS'- DISABILITY REHABILITATION EARLY ASSESSMENT AND MANAGEMENT SERVICES



Welcoming Dr. M K. Muneer, Hon'ble Minister of Social Welfare and Panchayath
by Dr. Rajan Gurukkal, Hon'ble Vice Chancellor, MG University

Disability, Rehabilitation, Early Intervention and Management Services (DREAMS)



Prayer Song by the Students of Vocational Rehabilitation Centre, School of Behaviour Sciences



Presidential Address Dr. Rajan Gurukkal, Hon'ble Vice Chancellor, MG University



Felicitating by Dr. M.K. Unni Registrar MG University



Inaugural address by Dr. M.K. Muneer, Hon'ble Minister of Social Welfare and Panchayath

AUTICARE VIRTUAL REALITY LAB FACILITY FOR TEACHING LEARNING OF AUTISM AFFECTED STUDENTS (Inter University Centre for Disability Studies)

Autism can affect a child's learning and development, often resulting in impaired social and communication skills and many also have fears or phobias which can be very distressing but are often overlooked. A therapy that uses immersive virtual reality (VR) may provide lasting treatment for distressing fear and phobias in children with autism and related disabilities.

Graduated exposure is identified as the key therapeutic mechanism in evidence-based treatments for specific phobias and fears but may require adaptation for the particular characteristics of individuals with Autism Spectrum Disorder (ASD). For example, graduated exposure may begin with imaginal desensitization; however, individuals with ASD have difficulties with imagination, which would make producing and controlling imaginal scenes difficult. These difficulties with imagination have been shown in both children and adults with ASD.

One way in which traditional approaches to treatment of specific phobias/fears could be adapted to increase accessibility for individuals with ASD is through the use of Virtual Reality Environments (VREs). VREs offer a powerful tool for training as participants become active within a computer-generated 3D virtual world. Participants can navigate through an environment which they may find anxiety provoking (for example, a street or school) and interact with objects and people. Newly learned skills can be rehearsed and reinforced in a safe and controlled environment. VREs have been used successfully in the general population to treat fear of flying and heights and fear of public speaking. They have also been used successfully with people with ASD to improve various skills, for example, social understanding, understanding facial expressions, road safety and fire alarm procedures.

Scope

- Avoids movement restrictions
- Children can immersively engage in all scenarios without any fear and phobia.
- Can touch and feel the environment



**AUTICARE VIRTUAL REALITY LAB FACILITY FOR TEACHING
LEARNING OF AUTISM AFFECTED STUDENTS
(Inter University Centre for Disability Studies)**

Auticare Lab-DREAMS



**AUTICARE VIRTUAL REALITY LAB FACILITY FOR TEACHING
LEARNING OF AUTISM AFFECTED STUDENTS
(Inter University Centre for Disability Studies)**



Speech Therapy Unit-DREAMS



Legal support services

The Inter-University Centre for Disability Studies (IUCDS) at Mahatma Gandhi University has established a division aimed at delivering legal assistance to individuals with disabilities. As a component of this effort, a day-long awareness seminar was organized in collaboration with the District Legal Services Authority (DLSA). Additionally, the center intends to hold "Adalath" sessions tailored for people with disabilities. Currently, the center has received over a hundred petitions seeking assistance.



Hand sanitizer preparation at SCS during covid-19 period (An initiative of IQAC in collaboration with School of chemical sciences)

During the early spreading of Covid 19, SCS community was also joined the efforts to fight against this pandemic. As suggested by the IQAC director, some of the available teachers, students and staff of School of chemical sciences has took an initiative to prepare bulk quantity of hand sanitizer and handed over to the security section for using at the entry points of administrative block and Pareekhsa bhavan. This programme was inaugurated by Hon. vice-chancellor, Prof. Sabu Thomas, on 16th March, 2020 in front of administrative block in presence of Dr. Robinet Jacob (Director,IQAC), Prof. K.S Devaky (Director SCS), Prof. Beena Mathew (Professor, SCS), Dr. S. Anas (Asst. Professor, SCS), Mr. K.M. George (Chief Security officer) and other staffs. Later in june 2020, nearly 120 liters of the Hand sanitizer has been prepared again as directed by the registrar and handed over to the Security wing for using in the various sections of the university



Dates : 16th March to 19th March 2020
School : School of Chemical Sciences
The team :
Teachers : Prof. K.S. Devaky, Prof. Beena Mathew and Dr. S. Anas
Non-Teaching : Dr. Caramma Varkey (scientific officer), Biju chemmanam (lab assistant)
Students : Mr. Alen Sam Thomas, Mr. Varun and Miss. Aleena (M.Phil Students)
Miss. Merylin Joseph (Research Scholar)
Mr. Vincent Joseph, Mr. Nissam and Mr. Sekharaj (Available Alumni)

IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital)

Genesis:

Mahatma Gandhi University envisaged the prospects of an Inter University Centre for Biomedical Research and Super Speciality Hospital (IUCBR & SSH) as an institution of importance and relevance to Kerala State with the object to develop high-end teaching and training in post graduate medical education in all branches of healthcare specifically pertinent to the region. The University has identified its campus at Thalappady, Kottayam as the ideal location for IUCBR & SSH, and the first phase of the construction is completed. The second phase of construction is underway, and a small outpatient department with basic facilities is operative currently. Establishment of a Centre for Biomedical Research, Centre for Communicable Diseases Control and Prevention (CCDCP), Centre for Development and Ageing, Centre for Drug Discovery, and an Advanced Immunology Centre and a fifty-bed hospital facility are currently getting initiated.

The Mission:

To conduct translatable high-end research and to transform scientific breakthroughs into accurate diagnostic measures and into life-saving treatments for patients. To generate highly skilled manpower in the area of biomedical research to enrich and strengthen the country's healthcare sector. To establish a super-speciality hospital with facilities to deal with emerging crisis 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 priorities in the long-term plan for the institute.

<http://www.iucbr.ac.in/>

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR7SE182NO5681.pdf>

COVID-19 Diagnosis at IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital) (4.5 Lakh test)



SARS CoV2 (COVID-19) diagnosis at IUCBR&SSH

Inter University Centre for Biomedical Research and Super Specialty Hospital (IUCBR&SSH) is working with the government to effectively respond to the COVID-19 pandemic, ever since it received ICMR approval for its VRDC facility on 27.03.2020. The IUCBR&SSH has dedicated its human resources and scientific infrastructure to analyse COVID-19 patient samples. The IUCBR&SSH currently completed more than 400,000 human patient sample tests and issued the results within 12-16 hours of receiving the samples using qRT-PCR for SARSCoV2 infection. Samples to be tested (nasopharyngeal, throat, nose, etc., with a swab) are received from designated government hospitals. Test results are uploaded onto the State Govt. portal and ICMR Portal* for test results, and also submitted to the concerned district surveillance officer within 24 hours or before-hand as required/requested. This activity was a voluntary service from IUCBR&SSH, and also helped the Nation in 'Breaking the Chain' of infection.

IUCBR&SSH was also given permission by the Govt. of Kerala to collect human samples for testing from our institute staff and their family members. For that we are provided with VTM and access to create SRF ID and data entry in the COVID-19 data portal of Gov. of Kerala, labsys.health.kerala.gov.in.

* Three different portals were used for data entry: ICMR COVID-19 Data Portal, healthmon.kerala.gov.in, and labsys.health.kerala.gov.in.

DIRECTOR

27.7.2022

Thalappady

Date: 27.07.2022



Dr. K.P. Mohanakumar
Director
Inter University Centre for Biomedical
Research & Super Speciality Hospital
MG University Campus at Thalappady
Rubber Board P.O., Kottayam - 686 009

COVID-19 Diagnosis at IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital) (4.5 Lakh test)

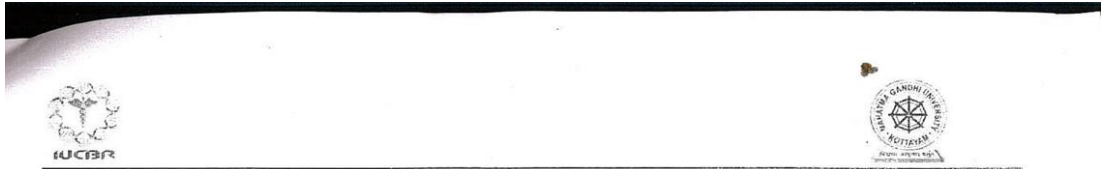
| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | | |
|-----------|------------------------|---------------|----------------------------|--------------|--|---------------------|------------|-----------|-------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|----------|
| Lab Sampl | Lab Name | Lab (SNF- ID) | Patient | Address | DI Patient (Sample C/ Type of Patient Reference Sample T/ Testing Kit) | COVID19 F/ CT Scree | RBP Con | CT value | Final Resu | Approved V | | | | | | | | | | | |
| IC329913 | IUC for Biomedical Res | KOTT 603/ KTM | George Puthempurayil | Suththanba W | 9.8E+09 | 30-11-2021 | RTPCR | Asymp/ GH | KOTTA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | | |
| IC329914 | IUC for Biomedical Res | KOTT 608/ KTM | ASHA FERUMPADAPIL | H. KUMAR | 9.1E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 17 | Positive | 01-12-2021 | Negative | | |
| IC329915 | IUC for Biomedical Res | KOTT 608/ KTM | NOBY PARACKATT | H. VALICHIRU | KC | 9E+09 | 30-11-2021 | RTPCR | Asymp/ GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329916 | IUC for Biomedical Res | KOTT 608/ KTM | SHEELA VAZHEPARAMBIL | H. KOPPU | KC | 1E+10 | 30-11-2021 | RTPCR | Asymp/ GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329917 | IUC for Biomedical Res | KOTT 608/ KTM | LEELAN KUNNAPALLY | H. KODUMPL | KC | 8.6E+09 | 30-11-2021 | RTPCR | Asymp/ GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329918 | IUC for Biomedical Res | KOTT 608/ KTM | LEELAN KUNNAPALLY | H. KODUMPL | KC | 8.6E+09 | 30-11-2021 | RTPCR | Asymp/ GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329919 | IUC for Biomedical Res | KOTT 608/ KTM | RAJU MOONNUTHOTTIL | H. PA | KC | 9.9E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329920 | IUC for Biomedical Res | KOTT 608/ KTM | GEETHA VEIMATHMOODU | H. THEK | KC | 8.6E+09 | 30-11-2021 | RTPCR | Asymp/ GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329921 | IUC for Biomedical Res | KOTT 608/ KTM | CHELSY KUMMINNIL | H. PALA | KC | 9.7E+09 | 30-11-2021 | RTPCR | Asymp/ GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329922 | IUC for Biomedical Res | KOTT 608/ KTM | MADHU KIZHAKKENAKATH | H. KAVI | KC | 9.7E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329923 | IUC for Biomedical Res | KOTT 608/ KTM | NANDU KIZHAKKENAKATH | H. KAVI | KC | 9.7E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329924 | IUC for Biomedical Res | KOTT 603/ KTM | USHA KIZHAKKENAKATH | H. KAVI | KC | 9.5E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329925 | IUC for Biomedical Res | KOTT 608/ KTM | MERHA BETHEL | H. KOZHIKODE | KC | 8.3E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329926 | IUC for Biomedical Res | KOTT 608/ KTM | ARUNIL ACHAMBAT | H. THIROOR | M | 7.4E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 20 | Positive | 01-12-2021 | Negative | |
| IC329927 | IUC for Biomedical Res | KOTT 608/ KTM | APARNA KULATHABANA | H. IDUKKI | Idi | 8.9E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Positive | 01-12-2021 | 23 | Positive | 01-12-2021 | 25 | Positive | 01-12-2021 | Negative |
| IC329928 | IUC for Biomedical Res | KOTT 608/ KTM | MARIA KAPPLI | H. PALA | KC | 7E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 23 | Positive | 01-12-2021 | Negative | |
| IC329929 | IUC for Biomedical Res | KOTT 608/ KTM | MANJU VANIVADATHADATHIL | Pa | 6.2E+09 | 30-11-2021 | RTPCR | Asymp/ GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 23 | Positive | 01-12-2021 | Negative | | |
| IC329930 | IUC for Biomedical Res | KOTT 608/ KTM | TOMMY KOCHUPURACKAL | H. AINMK | KC | 9.7E+09 | 30-11-2021 | RTPCR | Asymp/ GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 23 | Positive | 01-12-2021 | Negative | |
| IC329931 | IUC for Biomedical Res | KOTT 608/ KTM | PRAYA MADAYIL | H. CHENGALAM | KC | 9.4E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 23 | Positive | 01-12-2021 | Negative | |
| IC329932 | IUC for Biomedical Res | KOTT 608/ KTM | PRAYA LAKSHMI NIVAS | H. VALLUCCI | KC | 9.5E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 23 | Positive | 01-12-2021 | Negative | |
| IC329933 | IUC for Biomedical Res | KOTT 608/ KTM | SHRIJI KI KOCHIKUNNEL | H. KIDANGI | KC | 9.8E+09 | 30-11-2021 | RTPCR | Symp/GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 23 | Positive | 01-12-2021 | Negative | |
| IC329934 | IUC for Biomedical Res | KOTT 608/ KTM | SRINIVAS CHELAPPILPARAMBIL | H. EF | KC | 1E+10 | 30-11-2021 | RTPCR | Asymp/ GH | PALA | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 23 | Positive | 01-12-2021 | Negative | |
| IC329935 | IUC for Biomedical Res | KOTT 602/ KTM | Ahmed CHOORODU | W-9 | KC | 7.4E+09 | 30-11-2021 | RTPCR | Asymp/ SELF | | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 23 | Positive | 01-12-2021 | Negative | |
| IC329936 | IUC for Biomedical Res | KOTT 602/ KTM | GEETHA CHITTEDATHU | W-9 | KC | 7.9E+09 | 30-11-2021 | RTPCR | Asymp/ SELF | | 01-12-2021 | Trivitron | Negative | 01-12-2021 | Negative | 01-12-2021 | 23 | Positive | 01-12-2021 | Negative | |



30.11.2021 - }
 30.11.2021 }
S. S. S. S.
 04.09.2023

Director
 Inter University Centre for Biomedical
 Research & Superspeciality Hospital
 Thalapally, Kollayam

COVID-19 Diagnosis at IUCBR(Inter-University Center for Biomedical Research & Superspeciality Hospital) (4.5 Lakh test)



SARS CoV2 (COVID-19) diagnosis at IUCBR&SSH

Inter University Centre for Biomedical Research and Super Specialty Hospital (IUCBR&SSH) is working with the government to effectively respond to the COVID-19 pandemic, ever since it received ICMR approval for its VRDC facility on 27.03.2020. The IUCBR&SSH has dedicated its human resources and scientific infrastructure to analyse COVID-19 patient samples. The IUCBR&SSH currently completed more than 400,000 human patient sample tests and issued the results within 12-16 hours of receiving the samples using qRT-PCR for SARSCoV2 infection. Samples to be tested (nasopharyngeal, throat, nose, etc., with a swab) are received from designated government hospitals. Test results are uploaded onto the State Govt. portal and ICMR Portal* for test results, and also submitted to the concerned district surveillance officer within 24 hours or before-hand as required/requested. This activity was a voluntary service from IUCBR&SSH, and also helped the Nation in 'Breaking the Chain' of infection.

IUCBR&SSH was also given permission by the Govt. of Kerala to collect human samples for testing from our institute staff and their family members. For that we are provided with VTM and access to create SRF ID and data entry in the COVID-19 data portal of Gov. of Kerala, labsys.health.kerala.gov.in.

* Three different portals were used for data entry: ICMR COVID-19 Data Portal, healthmon.kerala.gov.in, and labsys.health.kerala.gov.in.

DIRECTOR

04.9.2023

Thalappady

Date: 04.09.2023


Director
Inter University Centre for Biomedical
Research & Superspeciality Hospital
Thalappady, Kottayam



COVID-19 Diagnosis at IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital) (4.5 Lakh test)



| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 |
|---|---------|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-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| 1 | ICMR ID | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CQ | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA | DB | DC | DD | DE | DF | DG | DH | DI | DJ | DK | DL | DM | DN | DO | DP | DQ | DR | DS | DT | DU | DV | DW | DX | DY | DZ | EA | EB | EC | ED | EE | EF | EG | EH | EI | EJ | EK | EL | EM | EN | EO | EP | EQ | ER | ES | ET | EU | EV | EW | EX | EY | EZ | FA | FB | FC | FD | FE | FF | FG | FH | FI | FJ | FK | FL | FM | FN | FO | FP | FQ | FR | FS | FT | FU | FV | FW | FX | FY | FZ | GA | GB | GC | GD | GE | GF | GG | GH | GI | GJ | GK | GL | GM | GN | GO | GP | GQ | GR | GS | GT | GU | GV | GW | GX | GY | GZ | HA | HB | HC | HD | HE | HF | HG | HH | HI | HJ | HK | HL | HM | HN | HO | HP | HQ | HR | HS | HT | HU | HV | HW | HX | HY | HZ | IA | IB | IC | ID | IE | IF | IG | IH | II | IJ | IK | IL | IM | IN | IO | IP | IQ | IR | IS | IT | IU | IV | IW | IX | IY | IZ | JA | JB | JC | JD | JE | JF | JG | JH | JI | IJ | JK | KL | KM | KN | KO | KP | KQ | KR | KS | KT | KU | KV | KW | KX | KY | KZ | LA | LB | LC | LD | LE | LF | LG | LH | LI | LJ | LK | LM | LN | LO | LP | LQ | LR | LS | LT | LU | LV | LW | LX | LY | LZ | MA | MB | MC | MD | ME | MF | MG | MH | MI | MJ | MK | ML | MN | MO | MP | MQ | MR | MS | MT | MU | MV | MW | MX | MY | MZ | NA | NB | NC | ND | NE | NF | NG | NH | NI | NJ | NK | NL | NM | NO | NP | NQ | NR | NS | NT | NU | NV | NW | NX | NY | NZ | OA | OB | OC | OD | OE | OF | OG | OH | OI | OJ | OK | OL | OM | ON | OO | OP | OQ | OR | OS | OT | OU | OV | OW | OX | OY | OZ | PA | PB | PC | PD | PE | PF | PG | PH | PI | PJ | PK | PL | PM | PN | PO | PP | PQ | PR | PS | PT | PU | PV | PW | PX | PY | PZ | QA | QB | QC | QD | QE | QF | QG | QH | QI | QJ | QK | QL | QM | QN | QO | QP | QQ | QR | QS | QT | QU | QV | QW | QX | QY | QZ | RA | RB | RC | RD | RE | RF | RG | RH | RI | RJ | RK | RL | RM | RN | RO | RP | RQ | RR | RS | RT | RU | RV | RW | RX | RY | RZ | SA | SB | SC | SD | SE | SF | SG | SH | SI | SJ | SK | SL | SM | SN | SO | SP | SQ | SR | SS | ST | SU | SV | SW | SX | SY | SZ | TA | TB | TC | TD | TE | TF | TG | TH | TI | TJ | TK | TL | TM | TN | TO | TP | TQ | TR | TS | TT | TU | TV | TW | TX | TY | TZ | UA | UB | UC | UD | UE | UF | UG | UH | UI | UJ | UK | UL | UM | UN | UO | UP | UQ | UR | US | UT | UU | UV | UW | UX | UY | UZ | VA | VB | VC | VD | VE | VF | VG | VH | VI | VJ | VK | VL | VM | VN | VO | VP | VQ | VR | VS | VT | VU | VV | VW | VX | VY | VZ | WA | WB | WC | WD | WE | WF | WG | WH | WI | WJ | WK | WL | WM | WN | WO | WP | WQ | WR | WS | WT | WU | WV | WW | WX | WY | WZ | XA | XB | XC | XD | XE | XF | XG | XH | XI | XJ | XK | XL | XM | XN | XO | XP | XQ | XR | XS | XT | XU | XV | XW | XX | XY | XZ | YA | YB | YC | YD | YE | YF | YG | YH | YI | YJ | YK | YL | YM | YN | YO | YP | YQ | YR | YS | YT | YU | YV | YW | YX | YZ | ZA | ZB | ZC | ZD | ZE | ZF | ZG | ZH | ZI | ZJ | ZK | ZL | ZM | ZN | ZO | ZP | ZQ | ZR | ZS | ZT | ZU | ZV | ZW | ZX | ZY | ZZ | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV | BW | BX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COVID-19 Diagnosis at IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital) (4.5 Lakh test)



COVID-19 Outbreak Control and Prevention State Cell
Health and Family Welfare Department
Govt. of Kerala


**Inter University Centre for Biomedical Research
& Super Speciality Hospital (IUCBR & SSH)**

Mahatma Gandhi University Campus at Thalappady
Rubber Board P.O., Kottayam, Kerala - 686009, India
Phone +91-481-2354464; Cell +91-9433128796; +91-7356763041
e-mail: kpotharankumar@yahoo.com; iucbr@mgu.ac.in
Website: www.iucbr.ac.in

Sample received on 21.06.2020 from DSO / DMO, Idukki

| No | Specimen Id | Name | Sampl c. | Age | Sex | Address | District | Referred Hospital | Result |
|-----|-------------|----------------|----------|-----|-----|--|----------|-------------------|----------|
| 1. | IC6583 | Noufal Basheer | NPS | 30 | M | Moolakkal House Mannankala Adimali | Idukki | THQH Adimaly | Negative |
| 2. | IC6584 | Shahul Hameed | NPS | 36 | M | New Look Textiles Adimali | Idukki | THQH Adimaly | Negative |
| 3. | IC6585 | Mahadevan | NPS | 24 | M | New Look Textiles Adimali | Idukki | THQH Adimaly | Negative |
| 4. | IC6586 | Anmathoon | NPS | 23 | M | New Look Textiles Adimali | Idukki | THQH Adimaly | Negative |
| 5. | IC6587 | Nazer | NPS | 23 | M | New Look Textiles Adimali | Idukki | THQH Adimaly | Negative |
| 6. | IC6588 | Prathoosh M V | NPS | 37 | M | Mankaparah House Chattupara Deeythimagar Adimali | Idukki | THQH Adimaly | Negative |
| 7. | IC6589 | Anu Prathoosh | NPS | 32 | F | Mankaparah House Chattupara | Idukki | THQH Adimaly | Negative |
| 8. | IC6590 | Alakanandha | NPS | 3 | F | Mankaparah House Chattupara | Idukki | THQH Adimaly | Negative |
| 9. | IC6591 | Adil Shree | NPS | 5 | M | Molekkudi House Ivampapalam | Idukki | THQH Adimaly | Negative |
| 10. | IC6592 | Adilshrine | NPS | 2 | F | Molekkudi House Ivampapalam | Idukki | THQH Adimaly | Negative |
| 11. | IC6593 | Yogyan | NPS | 45 | M | Pucheth Veedu Mannankala | Idukki | THQH Adimaly | Negative |
| 12. | IC6594 | Silayaras | NPS | 37 | F | Pucheth Veedu Mannankala | Idukki | THQH Adimaly | Negative |



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IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital)



COVID-19 (nCorona) Virus Outbreak Control and Prevention State Cell
Health & Family Welfare Department
Government of Kerala

COVID-19 Sample Management inside a Virus Diagnostic Laboratory
No.31/F2/2020/H&FWD dated 16th August 2020

GENERAL:

The most essential component of successfully running a covid-19 sample testing laboratory is the large number of trained manpower- trained in multidisciplinary aspects of a virus diagnostic laboratory who are prepared for shunting between the levels of screening, assay and reporting procedures.

There should be an overall lab-supervisor, who will man all the shifts judiciously, for trouble shooting, emergency procedures, and who will completely control of the entire work flow. Each shift should have a senior thoroughly trained personnel, such as a Research Officer who will rearrange duties internally for different sections as and when required, coordinate each shift and enable easy migration of shift changes and monitor on-time progress of testing in all the sections.

There are four major components in the sample testing section, and each section of these should have at least four members each (total 16) in a given shift. This must be supplemented by a manpower training program, where graduates/postgraduates in microbiology/ biochemistry/biotechnology could be invited to join (one-two trainees in each section at a given time). In addition, there should be atleast 6-8 data entry operators working on a two shift basis. Here too, 2-3 trainees from relevant disciplines could be invited to join for limited period of time. The number of data entry operators, and technical staff can be increased depending on the volume of samples handled in a lab.

The integrity of the Sample Referral Form (SRF) requires special mention. It is imperative that the forms are complete in all respects and care must be taken to avoid errors of any kind. The hospitals collecting and sending the samples to the labs should be instructed by the District Medical Officer (Health) in this respect as any error in the SRF can lead to wrong/delayed declaration of results. The District Medical Officer shall liaise with the labs for identification of

**IUCBR(Inter-University Center for Biomedical
Research \$ Superspeciality Hospital)**

33. The 96 well plate is sealed with the optical adhesive film, centrifuged in a plate rotor and put in to the PCR machine and the run is started.
34. At the end of the run, the data are analyzed based on the instructions in the PCR assay kit used.
35. Threshold and baseline settings are done as per the machine.
36. Checked to ensure that Positive and negative controls have worked
37. The Ct value and the shape of the curve is assessed for data analysis.

(These guidelines are prepared by IUCBR & SSH Kottayam under the guidance of Director and District Collector Kottayam.)


Pri Secretary H&FW

More details:

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR7SE182NO5643.pdf>

IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital) –Medical Survey

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR7SE182NO5644.pdf>



IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital) –Medical Survey



IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital) –Medical Survey



IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital) –Medical Survey

അന്തർസർവ്വകലാശാല ബയോമെഡിക്കൽ ഗവേഷണ കേന്ദ്രം & സൂപ്പർ സ്പെഷ്യാലിറ്റി ആശുപത്രി



എം.ജി. യൂണിവേഴ്സിറ്റി ക്യാമ്പസ്, തലപ്പാടി
റബ്ബർ ബോർഡ് പി.ഒ., കോട്ടയം, കേരള, ഇന്ത്യ-686009
ഫോൺ: +91481 2353730, വെബ്സൈറ്റ് : www.iucbr.ac.in



കോട്ടയം ജില്ലയിലെ വികാസപരവും ജന്മനാ ആർജിച്ചതുമായുള്ള നാഡീസംബന്ധമായ രോഗങ്ങളുടെ സ്ഥിതിവിവരണ സർവ്വേയ്ക്കുള്ള ചോദ്യാവലി

സർവ്വേയുടെ കാലയളവ് :

QSL No. :

More details:

<https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR7SE182NO5645.pdf>

News Report on IUCBR(Inter-University Center for Biomedical Research \$ Superspeciality Hospital)

ഏഴുപേർ രോഗമുക്തരായി. കോട്ടയം ജില്ലയിൽ 218 പേരാണ് ചികിത്സയിലുള്ളത്. മൂട്ടമ്പലം ഗവൺമെന്റ് വർക്കിങ് വിമെൻസ് ഹോസ്റ്റലിലെ പ്രാഥമിക ചികിത്സാ കേന്ദ്രം-60, പാലാ ജനറൽ ആശുപത്രി-48, അകലക്കുന്നം പ്രാഥമിക ചികിത്സാകേന്ദ്രം-41, കോട്ടയം ജനറൽ ആശുപത്രി-33, കോട്ടയം മെഡിക്കൽ കോളേജ് ആശുപത്രി-32, എറണാകുളം മെഡിക്കൽ കോളേജ് ആശുപത്രി-2, ഇടുക്കി മെഡിക്കൽ കോളേജ്-2 എന്നിങ്ങനെയാണ് വിവിധ കേന്ദ്രങ്ങളിൽ ചികിത്സയിൽ കഴിയുന്നവരുടെ കണക്ക്.

- ഒൻപതുപേർക്ക് സമ്പർക്കത്തിലൂടെ
- വൈറസ് ബാധിതരിൽ മൂന്ന് ആരോഗ്യപ്രവർത്തനം
- 218 പേർ ചികിത്സയിൽ

എം.ജി. ബയോമെഡിക്കൽ ഗവേഷണകേന്ദ്രത്തിൽ പരിശോധിച്ചത് 22,000 സാമ്പിളുകൾ

24 മണിക്കൂറിനുള്ളിൽ ഫലം

കോട്ടയം ▶ എം.ജി.സർവകലാശാലയുടെ തലപ്പാടി അന്തസ്സർവകലാശാലാ സെൻറർ ഫോർ ബയോമെഡിക്കൽ റിസർച്ച് ആൻഡ് സൂപ്പർ സ്പെഷ്യാലിറ്റി ഹോസ്റ്റലിലെ വൈറസ് ഗവേഷണകേന്ദ്രത്തിൽ ഇതുവരെ പരിശോധിച്ചത് 22,000-ൽ അധികം കൊറോണ സ്രവസാമ്പിളുകൾ.

പരിശോധനാ ലാബ് എല്ലാ ദിവസവും 24 മണിക്കൂറും പ്രവർത്തിക്കുന്നു.

ഇടുക്കി, കോട്ടയം ജില്ലകളിലെ ആശുപത്രികളിൽ നിന്നുള്ള സ്രവസാമ്പിളുകളാണ് പരിശോധിക്കുന്നത്.

സാമ്പിളുകൾ ലഭിച്ച് 24 മണിക്കൂറിനുള്ളിൽ പരിശോധനാ ഫലം സംസ്ഥാന സർക്കാരിനെയും അതത് ജില്ലാ സർവ്വെയ്ലൻസ് ഓഫീസർമാരെയും അറിയിക്കുന്നുണ്ടെന്നും പരിശോധനാ ഫലങ്ങൾ അവശേഷിക്കുന്നില്ലെന്നും ഡയറക്ടർ അറിയിച്ചു.

കൊറോണാ ഭൂനോട്ടര

പാറത്തോട്

പാറത്തോട് ഗ്രാമപഞ്ചായത്ത് നഗരത്തെ ഏഴ്, എട്ട്, ഒൻപതുകണ്ടെയ്ൻമെന്റ് സോണാ നിയന്ത്രണങ്ങൾ ഏർപ്പെടുത്തി. എട്ടാം വാർഡിൽ മാത്രം കോവിഡ് സ്ഥിരീകരിച്ചത്. കലണ്ടല പച്ചക്കറി വ്യാപാരിക്ക് കേൾക്കപ്പെട്ടതോടെ ആറ് കടകൾ

വൈക്കം

നഗരത്തിൽ നിയന്ത്രണങ്ങൾ കഴി. നഗരത്തിൽ അഞ്ച് ദിവസം കട അടച്ചിടാൻ വ്യാപാരികൾ തീരുമാനിച്ചു.

അവശ്യസാധനങ്ങൾ വിൽപനാവില്ലെടുത്തത് 11 വരെ തടയ്ക്കൽ ആവശ്യമായും പ്രവർത്തനം

എംപ്ലോയ്മെന്റ് എക്സ്ചേഞ്ച്: അപേക്ഷകൾ ഇ-മെയിലിൽ അയയ്ക്കാം

മഹിളാ കോടതി 1001 കത്തുകൾ അയയ്ക്കാം

കോട്ടയം ▶ കോവിഡ് രോഗവ്യാപന പ്രതിരോധത്തിന്റെ ഭാഗമായി എംപ്ലോയ്മെന്റ് എക്സ്ചേഞ്ച് വഴി പീഡനക്കേസുകൾ അയയ്ക്കാം

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ജ്ഞാൽ

ചിത്രകാ
കൃഷ്ടകാര
ജ്ഞാൽ (94)
പ്രധാനമന്ത്രി
ന്റെ സഹോ
ൽ പരമവിദ്യ
ജ്ഞാൽ അദ്ദേഹ
ജ്ഞാൽ. 1925-ൽ
ജ്ഞാൽ ജനനം.
ജ്ഞാൽ ആർട്സ്
ജ്ഞാൽ ജെ.ജെ.
ജ്ഞാൽ എനിവി
ജ്ഞാൽ ചിത്രകലാ

ജ്ഞാൽ ജെ.ജെ.
ജ്ഞാൽ ആർ
ജ്ഞാൽ ലഭിക്കു
ജ്ഞാൽ ചിത്രകാ
ജ്ഞാൽ റിവേറ,
ജ്ഞാൽ സ്റ്റീരിയോ

കൊറോണ: സാമ്പിൾ പരിശോധന ഇനി കോട്ടയത്തും

കോട്ടയം ▶ കൊറോണ വൈറസ് ബാധ സംശയിക്കപ്പെടുന്നവരുടെ സാമ്പിൾ പരിശോധനയ്ക്ക് കോട്ടയത്തും സംവിധാനമായി. എം.ജി. സർവകലാശാലയുടെ തലപ്പാടി ഇൻറർ യൂണിവേഴ്സിറ്റി സെന്റർ ഫോർ ബയോ മെഡിക്കൽ റിസർച്ചിൽ വെള്ളിയാഴ്ച മുതൽ പരിശോധന ആരംഭിക്കും. കേന്ദ്രത്തിന് ഇന്ത്യൻ കൗൺസിൽ ഓഫ് മെഡിക്കൽ റിസർച്ചാണ് അനുമതി നൽകിയിരിക്കുന്നത്.

ദീവസേന അൻപതു

സാമ്പിളുകൾ വരെ പരിശോധിക്കാൻ ഇവിടെ സൗകര്യമുണ്ട്. എട്ടുമണിക്കൂറിനുള്ളിൽ ഫലം ലഭ്യമാകും.

നിലവിൽ ആലപ്പുഴയിലെ വൈറോളജി ഇൻസ്റ്റിറ്റ്യൂട്ടിലാണ് കോട്ടയത്തുനിന്നുള്ള സാമ്പിളുകൾ പരിശോധിക്കുന്നത്. ഇവിടുത്തെ പരിശോധനയിൽ പോസിറ്റീവ് കണ്ടെത്തുന്ന സാമ്പിളുകൾ അന്തിമ സ്ഥിരീകരണത്തിനായി ആലപ്പുഴയിലെ വൈറോളജി ഇൻസ്റ്റിറ്റ്യൂട്ടിലും പരിശോധിക്കും.

കൺമണിയെ കൺകുളിർക്കെ കാണണം; പേരിടണം... കളക്ടർ കാത്തിരിക്കുകയാണ്

കൊച്ചി ▶ ആറ്റുനോറ്റു പിറന്ന കൺമണിയെ ഒരു നോക്ക് രൂപിലെ വിട്ടിലേക്ക് പോകാനേ അതിടിലേക്ക് കയറട്ടെ പോയിട്ടെ

കി
500

അനുഭവന
അടുർ

▶ കൊറോണത്തിന്റെ തദ്ദേശസ്വരൂപങ്ങളിലും കേന്ദ്രത്തിൽ റിപ്പോർട്ട് ചെയ്തിട്ടുണ്ട്. വിധാനം.

കുടുംബശ്രീ കാറ്ററിങ് സെന്റർ തദ്ദേശ ഓഡിറ്റോറിയം

കെ.പ

കെ
പ്രോ

The University of the Third Age (U3A) program at Mahatma Gandhi University (MGU)

The University of the Third Age (U3A) program at Mahatma Gandhi University (MGU), Kottayam, is a transformative initiative aimed at enriching the lives of individuals aged 55 years and above as they enter the later stages of life. This innovative program acknowledges the wisdom, experience, and potential of seniors and seeks to guide them into a fulfilling and joyful "third phase" of their lives. The U3A program at MGU is a pioneering endeavor that recognizes that life after 55 is not a decline but rather an opportunity for new beginnings, exploration, and continued personal growth. The program takes inspiration from the concept of a university, emphasizing learning, social engagement, and holistic well-being. U3A creates an inclusive and vibrant community where seniors can pursue their passions, learn new skills, and contribute meaningfully to society. University Vice-Chancellor Sabu Thomas inaugurated the programme at a function on 11th March 2023 and International Association of Universities of the Third Age president Francia Velas attended as a special guest via online



The University of the Third Age (U3A) Program at Mahatma Gandhi University (MGU)



Global programme for the 55+ launched at MGU

University of the Third Age, an international movement launched in 1973, aims at guiding people over 55 to come together, have fun, and stay active

March 11, 2023 07:30 pm | Updated 07:34 pm IST - KOTTAYAM

THE HINDU BUREAU

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The University of the Third Age (U3A), a programme that seeks to guide those aged above 55 years into a happy third phase of their life, began at the Mahatma Gandhi University (MGU), Kottayam, on Saturday.

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University Vice-Chancellor Sabu Thomas inaugurated the programme at a function held here. International Association of Universities of the Third Age president Francia Velas attended as a special guest via online.

Movement's origins

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Inauguration of Jaivam 2017- Organic Literacy Programme of Mahatma Gandhi University

https://www.youtube.com/watch?v=Z_zJayAyG1U

https://www.youtube.com/watch?v=Z_zJayAyG1U

Jaivam 2017, a campaign for organic farming taken up by Mahatma Gandhi University

<https://www.youtube.com/watch?v=FbgMf8TbpNY>

<https://www.youtube.com/watch?v=48HBvFMxheE>

<https://www.youtube.com/watch?v=Xsq9iVa4DUc>

Jaivam 2017 An Organic Literacy Programme of Mahatma Gandhi University

<https://www.youtube.com/watch?v=rJDPfRi0UUA>