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

(Re-accredited by NAAC with A Grade)

7.3 – Institutional Distinctiveness- Eco-friendly Campus Adherence to UN SDGs

Eco-friendly Campus Adherence to UN SDGs

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4	Sustainable Development Goals (SDG 4) and Programme Outcomes of MGU	View
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Eco-friendly Campus Adherence to UN SDGs

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Eco-friendly Campus Adherence to UN SDGs

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Eco-friendly Campus Adherence to UN SDGs

SL NO	Title	Link
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48	Solar Energy in Mahatma Gandhi University 3 (SDG 7)	View
49	Biomedical Waste MOU with IMAGE (SDG 15)	View
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Eco-friendly Campus Adherence to UN SDGs

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64	Vanamithra Award for Outstanding Contributions Towards Nature Conservation	View
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Eco-friendly Campus Adherence to UN SDGs

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72	MOOC Course on Organic Farming	View
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75	Rainwater Harvesting (SDG 6)	View
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Mahatma Gandhi University
Priyadarsini Hills P.O.,
Kottayam, Kerala, India 686 560
ISO 14001: 2015 Certified
Environmental Management Systems (EMS)
ISO 14001: 2015 Certified by IRQS
NABCB EM 005

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CERTIFICATE OF APPROVAL

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Organisation: Mahatma Gandhi University

Address: Academic Sector,
Priyadarsini Hills P.O.,
Kottayam - 686 560,
Kerala, India

has been assessed and found conforming to the following requirement

Standard: ISO 14001:2015

Scope: Provision of Learning, Teaching, Research and Extension Activities Imparting Education Leading to Post-Graduate, Ph.D., Post-Doctoral and Applied Short-Term Programs in Arts, Science, Humanities, Management, Computer Science, Travel and Physical Education & Sports

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Initial Certification Date: 09/01/2023

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Shashi Nath Mishra
Head IRQS

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ISO Certification of Mahatma Gandhi University

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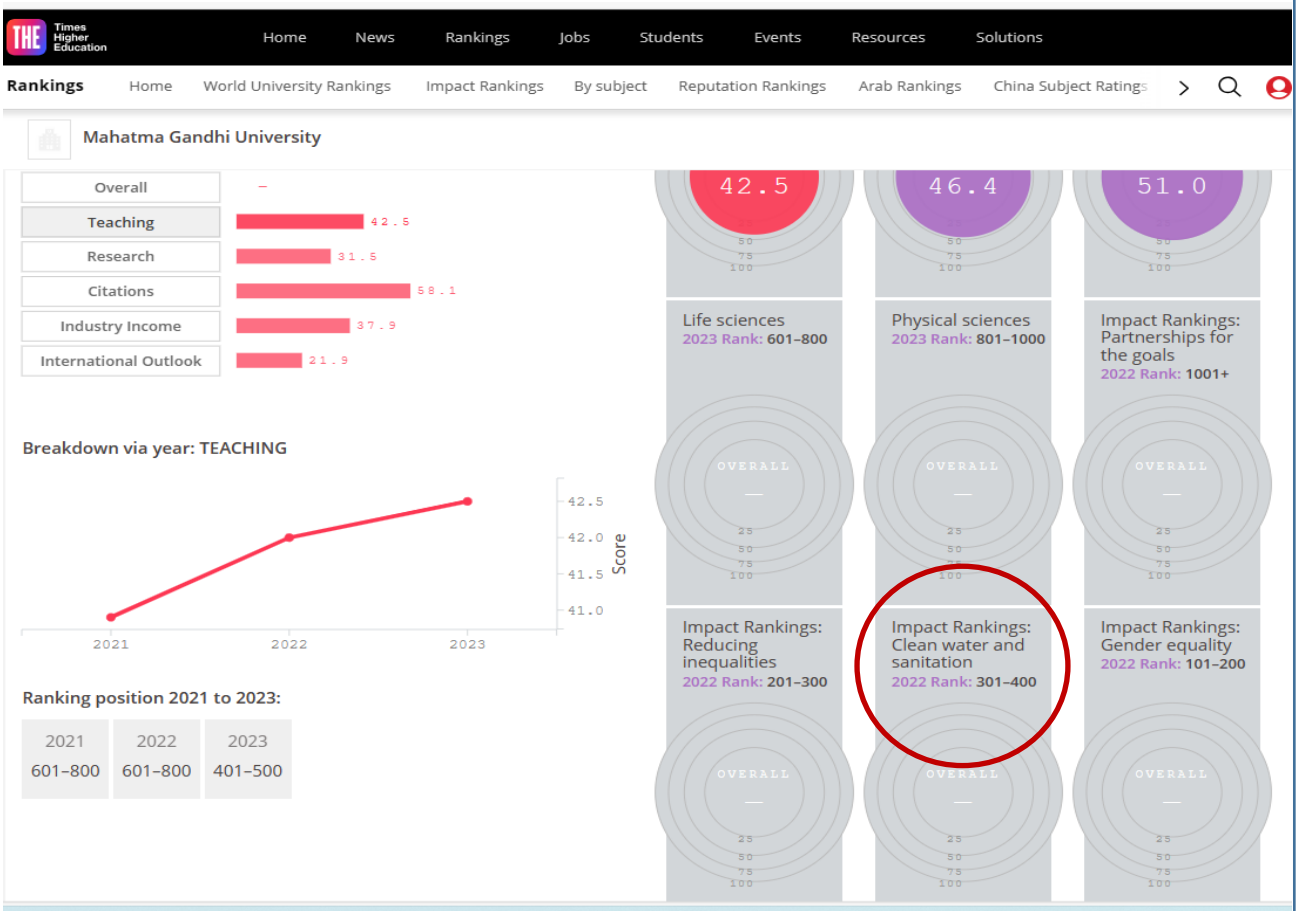
MGU Rank University's Rank in Clean Water and Sanitation (UN SDG 6) by Times Higher Education Globally

https://www.timeshighereducation.com/world-university-rankings/mahatma-gandhi-university

In the 2022 Times Higher Education Ranking, Mahatma Gandhi University excelled across United Nations Sustainable Development Goals (UN SDGs). The university's efforts in water and sanitation (UN SDG 6) earned it a respectable **301-400 rank.** These rankings underscore the university's commitment to diverse aspects of sustainable development, showcasing its dedication to environmental progress in higher education and society.



2022 Times Higher Education Ranking
MGU

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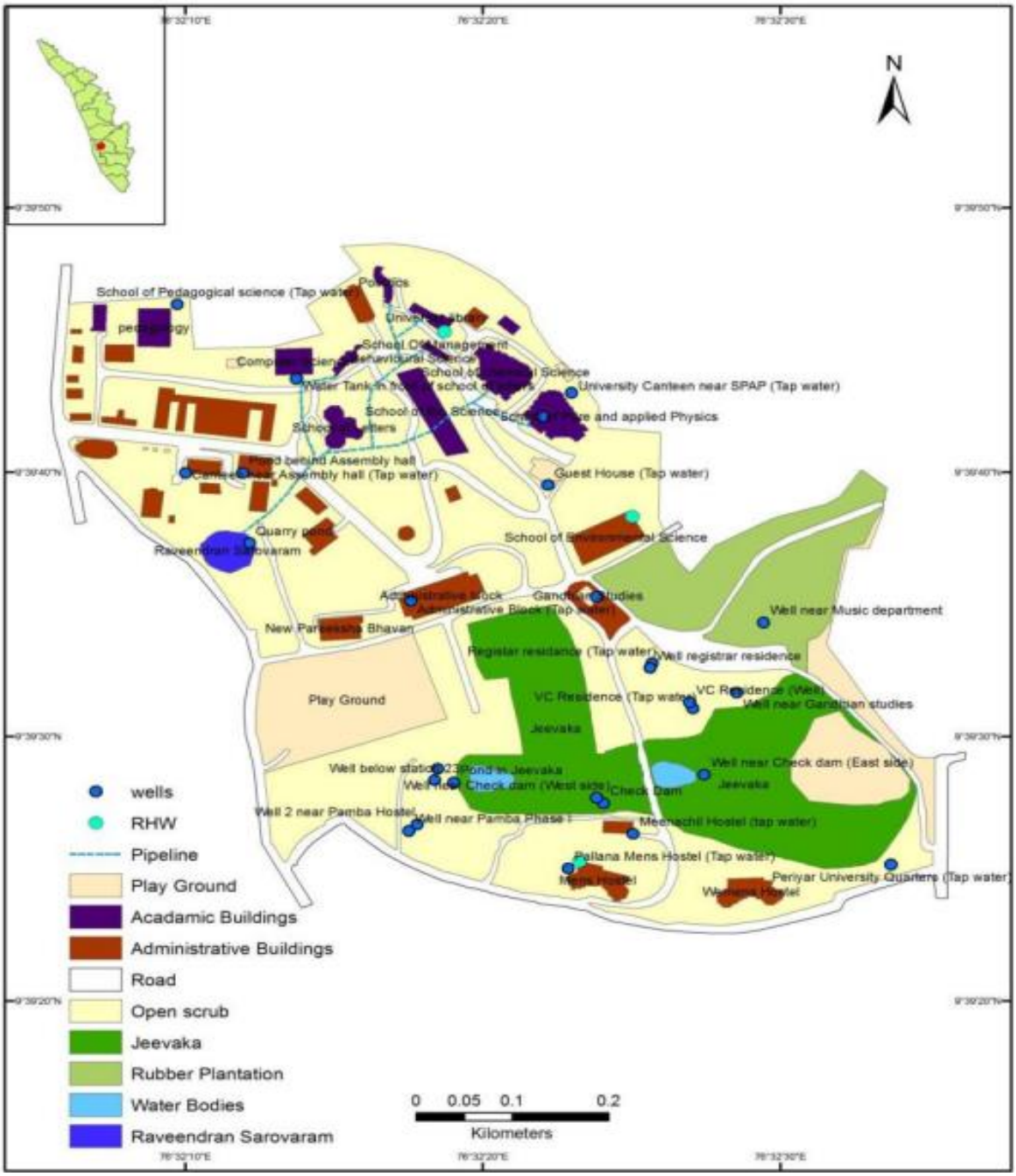

Mahatma Gandhi University Campus

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Sustainable Development Goals (SDGs) and Programme Outcomes of MGU

The vision and mission of Mahatma Gandhi University focus on the Sustainable Development Goals (SDGs). The Graduate Attributes (GAs) and Programme Outcomes (POs) set by the university are in congruence with the SDGs. The vision and mission of the university envisages the creation of a critical knowledge base for the society's sustained and inclusive growth.

Sustainable Development Goals (SDGs)	POs and GAs of Mahatma Gandhi University aligned to SDGs
GOAL 3: Good Health and Well-being	PO6: Social Consciousness and Responsibility PO8: Moral and Ethical Reasoning GA8: Equity, Inclusiveness and Sustainability
GOAL 4: Quality Education	PO1: Critical thinking and Analytical reasoning PO2: Scientific reasoning and Problem solving PO3: Multidisciplinary/ interdisciplinary/ transdisciplinary Approach
GOAL 6: Clean Water and Sanitation	PO6 : Social Consciousness and Responsibility PO7 : Equity, Inclusiveness and Sustainability GA7 : Social Competency GA8 : Equity, Inclusiveness and Sustainability
GOAL 7: Affordable and Clean Energy	PO6: Social Consciousness and Responsibility PO7: Equity, Inclusiveness and Sustainability GA7: Social Competency GA8: Equity, Inclusiveness and Sustainability
GOAL 12: Responsible Consumption and Production	PO7 : Equity, Inclusiveness and Sustainability PO 8: Moral and Ethical Reasoning GA7 : Social Competency GA8 : Equity, Inclusiveness and Sustainability
GOAL 13: Climate Action	PO6: Social Consciousness and Responsibility PO7: Equity, Inclusiveness and Sustainability PO 8: Moral and Ethical Reasoning GA7 : Social Competency GA8 : Equity, Inclusiveness and Sustainability
GOAL 15: Life on Land	PO6: Social Consciousness and Responsibility PO7 : Equity, Inclusiveness and Sustainability GA8 : Equity, Inclusiveness and Sustainability
GOAL 17: Partnerships to achieve the Goal	PO6: Social Consciousness and Responsibility PO9: Networking and Collaboration GA6 : Global Citizenship GA7 : Social Competency

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Jeevaka Live Laboratory - Lungs of the Campus (SDG, 3, SDG 6, SDG 12, SDG 15)

https://ses.mgu.ac.in/jeevaka/

The university maintains the Jeevaka Live Laboratory, named in honor of Sree Budha's disciple, which hosts a diverse range of plants and animals. This living laboratory covers an area of 12 hectares (28 acres) and is particularly focused on the conservation of biodiversity. A significant investment is made to protect this valuable land within the campus. Approximately 12 hectares of this campus land are designated as a protected area, providing a sanctuary for various forms of life.

This protected area is home to a variety of flora and fauna, including 12 different species of migratory birds from the Himalayas. The campus's commitment to conservation is evident in the presence of 303 species of flowering plants, 124 herb species, 95 bush species, and 16 creeper species that have naturally thrived within this habitat.

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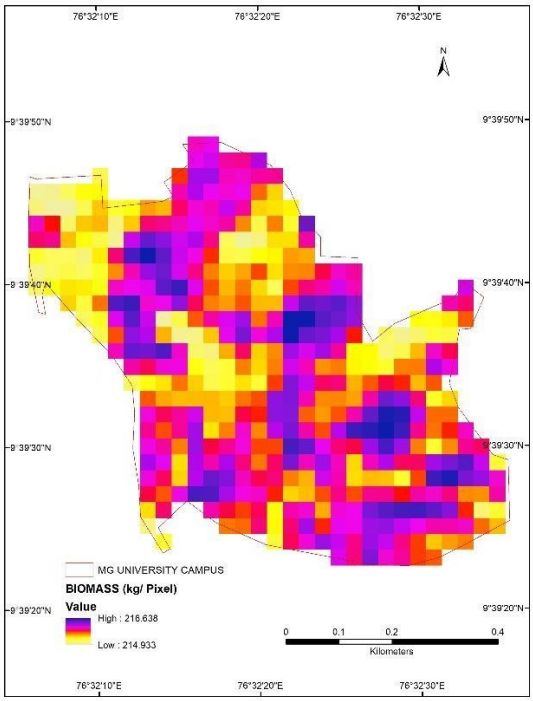
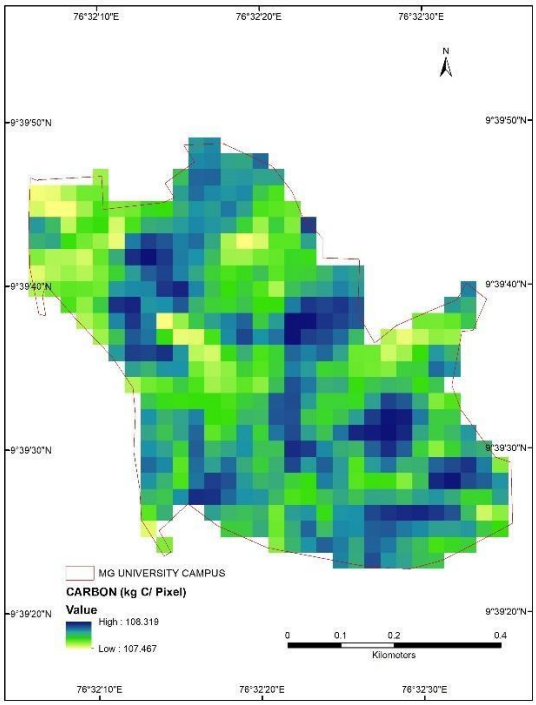
Carbon Audit of Mahatma Gandhi University

https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR16SE361NO10161.pdf





Biomass estimation and related carbon content of the campus using RS and GIS

The maps pertaining to the existing standing biomass and the resultant carbon content of the campus show that the campus area under consideration encloses high biomass content with the highest pixel value of 216.638 Kg. The corresponding carbon content showed a highest pixel value of 108.316 kg C/pixel.

Thus the integration of remote satellite and GIS technology is successfully integrated into this assessment as a new approach for the study of biomass and carbon stocks on an above-ground layer of vegetation status. Estimated biomass and carbon accumulation in the campus cover is quite good, which can be used as a reference for nature-oriented management and is an important basis for determining the carbon status of the campus.

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Flora (SDG 6, SDG 12, SDG 15), Fauna (SDG 6, SDG 12, SDG 15)

The campus's vegetation profile encompasses a variety of plant types, including trees, shrubs, climbers, herbs, and grasses that thrive within its boundaries. Herbaceous plants constitute the primary component of the vegetation, followed by shrubs, trees, and climbers. Through an initial study of the campus's flora, a total of 273 plant species belonging to 91 different families were identified. Within this group, 258 species are angiosperms from 82 families, while 27 species of pteridophytes belong to 9 families in the region.

The campus is home to a diverse array of plant families, with 7 members of the Poaceae family, 3 from Euphorbiaceae, 2 from Cyperaceae, and one each from Acanthaceae, Meliaceae, Moraceae, Fabaceae, and Rubiaceae families being observed. Notably, the Euphorbiaceae family stands out as the most prevalent angiosperm family on the campus, boasting 16 species. Following closely are the Fabaceae and Rubiaceae families, each with 13 species.

The fauna diversity within the Mahatma Gandhi University Campus has been comprehensively assessed across various categories.

a) Butterflies: The evaluation revealed a total of 86 butterfly species distributed among five distinct families. Notably, Nymphalidae emerged as the dominant family with 33 species, followed by Papilionidae contributing 11 species. In contrast, Pieridae accounted for the smallest representation, comprising only 7 species.

b) Odonates (Dragonflies and Damselflies): The study documented 24 dragonfly species and 5 damselfly species within the campus. From the broader context of Peninsular India's 177 dragonfly species spanning five families, the campus hosted 23 species from three families. Libellulidae demonstrated the highest diversity with 21 species, while Gomphidae and Aeshnidae were represented by one species each.

c) Reptiles: A selection of eight reptile species, representing five distinct families, were identified on the campus. Predominantly, the Agamidae and Viperidae families were most prevalent among the recorded reptiles.

d) Mammals: The campus harbors a diverse mammalian presence, with nine species belonging to six different families identified. These findings underscore the rich variety of mammalian life within the campus environment.

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Floral Diversity of MGU (SDG 6, SDG 12, SDG 15)

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Floral Diversity of MGU
(SDG 6, SDG 12, SDG 15)

Based on the nature of vegetation, water bodies and other structural elements, the campus may be broadly classified into: **a) Structural areas (Academic, administrative, recreational and residential building areas) b) Residual home gardens c) Wetlands and water bodies and d) Jeevaka forests.** In spite of intensive human presence in the residential areas, it has been noticed that many life forms of the campus share it as their resting, roosting and breeding facility. The residual home gardens are the remnants of earlier occupants of the area and the gardens are partially managed by the current residents of the locality. It consists of many crops, fruit yielding trees and ornamental and exotic species. Abandoned rubber and acacia plantations also come under this category. The wetlands are mainly situated on the south-west corner of the main sports ground and it harbors many species of amphibians, fishes, birds, invertebrates and floral elements. Whereas wells and other open water bodies such as the reclaimed stone quarry, ―Rabindra Sarovaram‖ situated on different parts of the campus. The Jeevaka forests are the demarcated wild area for conservation and learning purpose. It is a rich evergreen patch with secondary growth and in the process of rapid succession towards a natural forest formation. It hosts many rare butterflies, birds, amphibians and other floral and faunal elements which require systematic and detailed scientific assessments and study.

Vegetation Profile of MGU

Being located in a monsoon region with diverse microclimatic conditions, Mahatma Gandhi University campus has a mixed moist deciduous and evergreen vegetation composition. Apart from the open sports ground, residential, administrative and academic building complexes, the campus had more than 80% vegetation cover. The vegetation composition of the campus include native trees, plantations crops, bamboo grooves, secondary vegetation, medicinal plants, gardens with exotic ornamental plants and some of the alien and invasive species.

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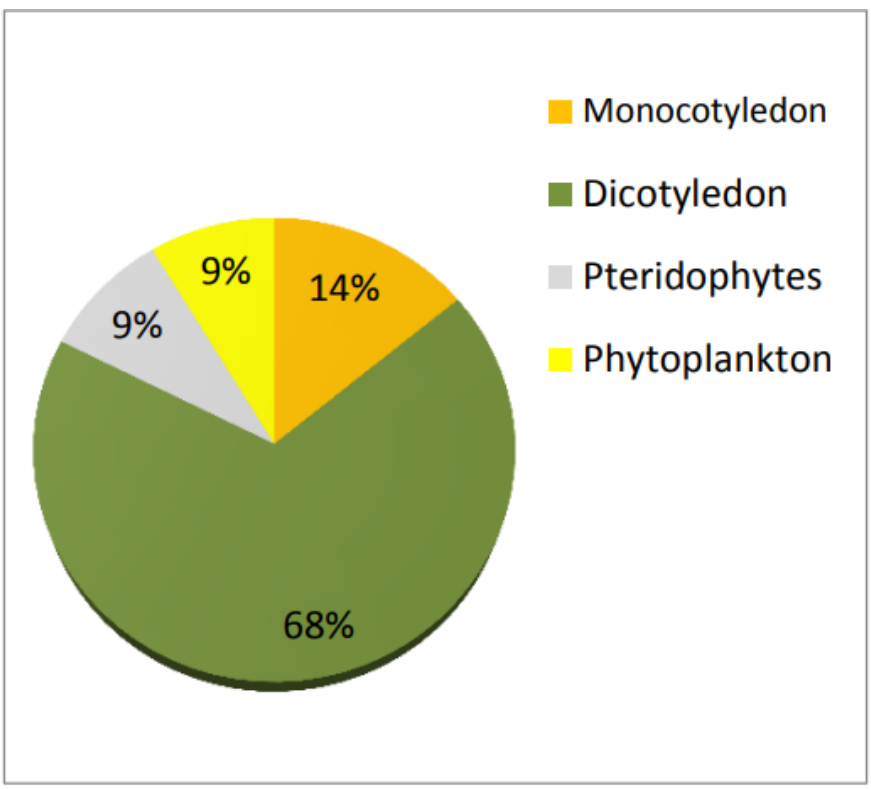
The vegetation profile of the campus consisted of trees, shrubs, climbers, herbs and grasses found within the campus premises. The herbaceous flora dominates the vegetation composition followed by shrubs, trees and climbers. From the preliminary floristic investigation in the university campus, a total of **431 species belongs to 98 families were identified. Am**ong this, **376 angiosperm species belongs to 87 families and 27 species of pteridophytes belongs to 9 families were recorded from the region. Members of family Euphorbiaceae (6.2%) is the dominant angiosperm family of the campus with16 species followed by Fabaceae and Rubiaceae with 13 species each.**

Further, based on the use values and conservation significance, the angiosperm were categorized into a**) Plants with edible and commercial value, b) Plants with known medicinal values, c) Wild, regenerative and other groups of native plants, d) Garden plants and ornamental varieties and e) Alien, exotic and invasive species.**



Floral Diversity

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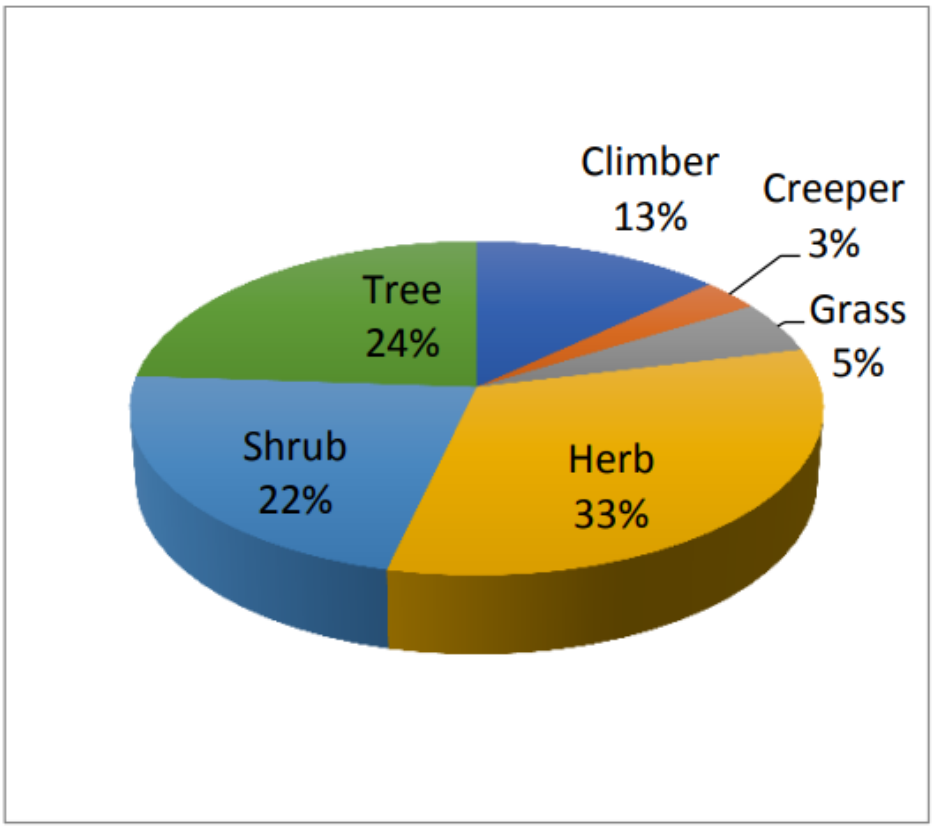
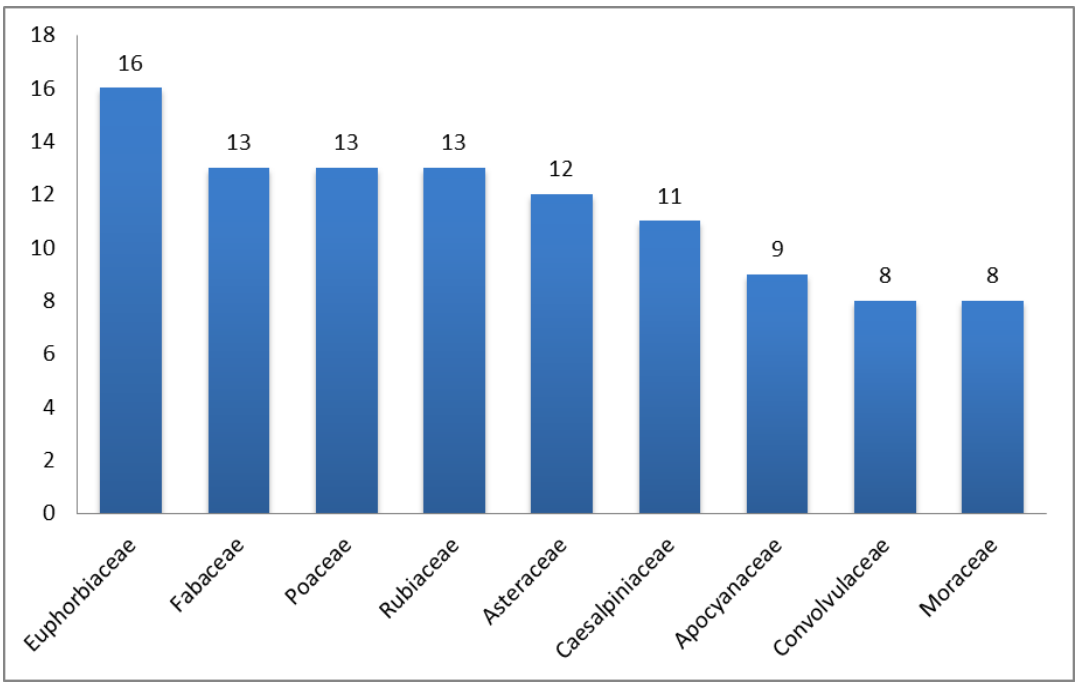


Habit-wise Distribution of Vegetation



Dominant families of Flora in MGU

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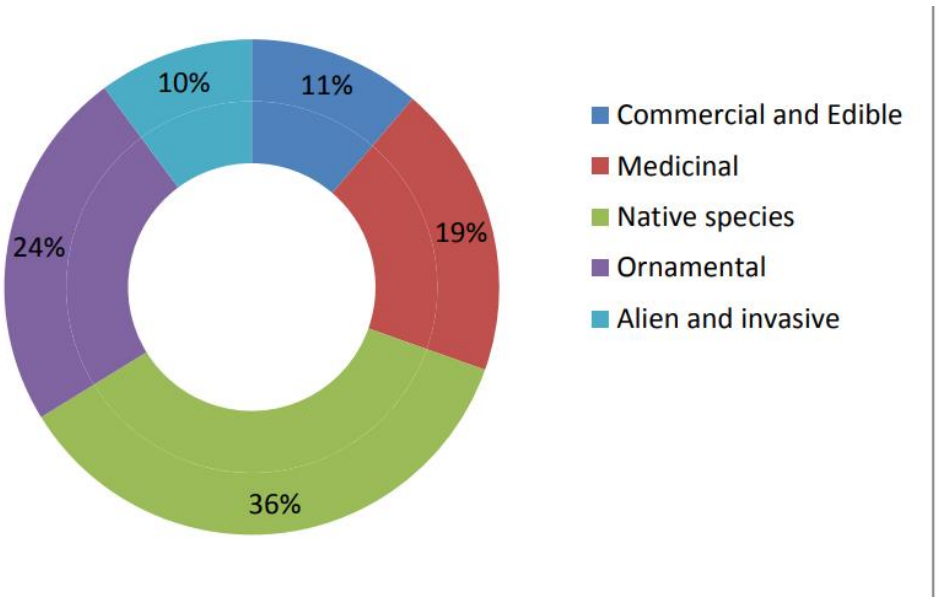

Vegetation Composition

Plants with Edible and Commercial Value

Sl No.	Scientific Name	Family	Habit
1.	*Acacia auriculiformis*	Mimosaceae	Tree
2.	*Acacia mangium*	Mimosaceae	Tree
3.	*Ailanthus excelsa*	Simarubaceae	Tree
4.	*Alternanthera sessilis*	Amaranthaceae	Herb
5.	*Amaranthus dubius*	Amaranthaceae	Shrub
6.	*Amorphophallus paeoniifolius*	Araceae	Shrub
7.	*Anacardium occidentale*	Anacardiaceae	Tree
8.	*Annona squamosa*	Annonaceae	Tree
9.	*Annona muricata*	Annonaceae	Tree
10.	*Areca catechu*	Arecaceae	Tree
11.	*Artocarpus heterophyllus*	Moraceae	Tree
12.	*Artocarpus hirsutus*	Moraceae	Tree
13.	*Averrhoa carambola*	Oxalidaceae	Tree
14.	*Averrhoa bilimbi*	Oxalidaceae	Tree
15.	*Bombax ceiba*	Bombacaceae	Tree
16.	*Calophyllum inophyllum*	Clusiaceae	Tree
17.	*Carica papaya*	Caricaceae	Tree

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Plants with Edible and Commercial Value

18.	*Casuarina equsetifolia*	Casurinaceae	Tree
19.	*Chrysophyllum cainito*	Sapotaceae	Tree
20.	*Coccinia grandis*	Cucurbitaceae	Creeper
21.	*Cocos nucifera*	Arecaceae	Tree
22.	*Colocasia esculenta*	Araceae	Herb
23.	*Curcuma longa*	Zingiberaceae	Herb
24.	*Garcinia gummi-gutta*	Clusiaceae	Tree
25.	*Hevea braziliensis*	Euphorbiaceae	Tree
26.	*Mangifera indica*	Anacardiaceae	Tree
27.	*Manihot esculenta*	Euphorbiaceae	Shrub
28.	*Maranta arundinaceae*	Zingiberaceae	Herb
29.	*Moringa oleifera*	Moringaceae	Tree
30.	*Murraya koenigii*	Rutaceae	Shrub
31.	*Musa sp.* Hybrids	Musaceae	Tree
32.	*Nephelium lappaceum*	Sapindaceae	Tree
33.	*Passiflora edulis*	Passifloraceae	Climber
34.	*Phyllanthus emblica*	Euphorbiaceae	Tree
35.	*Piper nigrum*	Piperaceae	Climber
36.	*Psidium guajava*	Myrtaceae	Tree
37.	*Santalum album*	Santalaceae	Tree
38.	*Sesamum orientale*	Pedaliaceae	Shrub
39.	*Swietenia mahagoni*	Meliaceae	Tree
40.	*Syzygium cumini*	Myrtaceae	Tree
41.	*Syzygium jambos*	Myrtaceae	Tree
42.	*Tamarindus indica*	Caesalpiniaceae	Tree
43.	*Tectona grandis*	Verbenaceae	Tree

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Plants with Edible and Commercial Value

Artocarpus hirsutus

Garcinia gummi-gutta

Syzygium jambos

Nephelium lappaceum

Anacardium occidentale

Averrhoa carambola

Coccinia grandis

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Plants with Known Medicinal Values

Medicinal plants or medicinal herbs have been used to treat various ailments of human and animals traditionally. In recent times numerous phytochemicals and nutrients were isolated from these traditionally used medicinal herbs. Though every plant has some interesting and useful quality in it, the above list is some of the known plants that are found in various parts of the campus. A total of **77 species** of plants with medicinal value is recorded from the campus. The list includes trees, climbers, shrub and herbs of various kinds. **Western Ghats endemic species like Pancratium triflorum is also included in this list.**

Sl No.	Scientific Name	Family	Habit
1.	*Acalypha indica*	Euphorbiaceae	Herb
2.	*Achyranthes aspera*	Amaranthaceae	Herb
3.	*Acmella paniculata*	Asteraceae	Herb
4.	*Adenanthera pavonina*	Mimosaceae	Tree
5.	*Aegle marmelos*	Rutaceae	Tree
6.	*Aerva lanata*	Amaranthaceae	Herb
7.	*Alangium salviifolium ssp. hexapetalum*	Alangiaceae	Shrub
8.	*Aloe vera*	Liliaceae	Herb
9.	*Amorphophallus paeoniifolius*	Araceae	Herb
10.	*Andrographis paniculata*	Acanthaceae	Herb
11.	*Anisomeles ovata*	Lamiaceae	Herb
12.	*Aristolochia indica*	Aristolochiaceae	Climber
13.	*Azadirachta indica*	Meliaceae	Tree
14.	*Biophytum sensitivum*	Oxalidaceae	Herb
15.	*Blepharis maderaspatensis*	Acanthaceae	Herb
16.	*Boerhavia diffusa*	Nyctaginaceae	Herb
17.	*Caesalpinia sappan*	Caesalpiniaceae	Tree
18.	*Calotropis gigantia*	Asclepiadaceae	Shrub
19.	*Cardiospermum helicacabum*	Sapindaceae	Climber
20.	*Catharanthus roseus*	Apocyanaceae	Shrub
21.	*Centella asiatica*	Apiaceae	Herb
22.	*Cleome viscosa*	Capparaceae	Herb

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Plants with Known Medicinal Values

55.	*Ocimum tenuiiflorum*	Lamiaceae	Herb
56.	*Pancratium triflorum*	Amaryllidaceae	Herb
57.	*Phyllanthus amarus*	Euphorbiaceae	Herb
58.	*Pseudarthria viscida*	Fabaceae	Herb
59.	*Rauvolfia serpantina*	Apocyanaceae	Shrub
60.	*Scoparia dulcis*	Scrophulariaceae	Herb
61.	*Sida acuta*	Malvaceae	Herb
62.	*Sida cordifolia*	Malvaceae	Herb
63.	*Sida rhombifolia*	Malvaceae	Herb
64.	*Solanum torvum*	Solanaceae	Shrub
65.	*Strobilanthus ciliatus*	Acanthaceae	Shrub
66.	*Synedrella nodiflora*	Asteraceae	Herb
67.	*Tabernaemontana heyneana*	Apocyanaceae	Shrub
68.	*Terminalia arjuna*	Combretaceae	Tree
69.	*Terminalia bellirica*	Combretaceae	Tree
70.	*Tinospora cordifolia*	Menispermaceae	Climber
71.	*Tribulus terrestris*	Zygophyllaceae	Herb
72.	*Urena lobata*	Malvaceae	Herb
73.	*Uvaria narum*	Annonaceae	Climber
74.	*Vernonia cinerea*	Asteraceae	Herb
75.	*Waltheria indica*	Sterculiaceae	Shrub
76.	*Wattakaka volubilis*	Asclepiadaceae	Climber
77.	*Zingiber zerumbet*	Zingiberaceae	Shrub

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Plants with Known Medicinal Values	
	
Costus speciosus	*Uvaria narum*
	
Clerodendrum infortunatum	*Gloriosa superba*
	
Pancratium triflorum	*Tribulus terrestris*

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Wild and Native Trees and other group of plants

Sl No.	Scientific Name	Family	Habit
1.	*Abrus precatorius*	Fabaceae	Climber
2.	*Acacia pennata*	Mimosaceae	Climber
3.	*Acalypha ciliata*	Euphorbiaceae	Herb
4.	*Albizia lebbeck*	Mimosaceae	Tree
5.	*Alstonia scholaris*	Apocyanaceae	Tree
6.	*Amaranthus spinosus*	Amaranthaceae	Shrub
7.	*Argyereia nervosa*	Convolvulaceae	Creeper
8.	*Artocarpus hirsutus*	Moraceae	Tree
9.	*Asparagus racemosus*	Liliaceae	Climber
10.	*Asystasia gangetica*	Acanthaceae	Climber
11.	*Axonopus compresses*	Poaceae	Grass
12.	*Bambusa bambos*	Poaceae	Grass
13.	*Bridelia retusa*	Euphorbiaceae	Tree
14.	*Calophyllum inophyllum*	Calophyllaceae	Tree
15.	*Calycopteris floribunda*	Combretaceae	Climber
16.	*Canthium angustifolium*	Rubiaceae	Shrub
17.	*Canthium coromandelicum*	Rubiaceae	Shrub
18.	*Carallia brachiate*	Rhizophoraceae	Tree
19.	*Caryota urens*	Arecaceae	Tree
20.	*Cassia fistula*	Caesalpiniaceae	Tree
21.	*Cayratia trifolia*	Vitaceae	Climber
22.	*Cerbera odallam*	Apocyanaceae	Tree
23.	*Chasalia curviflora*	Rubiaceae	Shrub
24.	*Chloris barbata*	Poaceae	Grass
25.	*Cinnamomum malabathrum*	Lauraceae	Tree
26.	*Cissus discolor Blume*	Vitaceae	Climber
27.	*Cissus repens*	Vitaceae	Climber
28.	*Cleome rutidosperma*	Cleomaceae	Herb
29.	*Cleome viscosa*	Cleomaceae	Herb
30.	*Commelina benghalensis*	Commelinaceae	Herb
31.	*Commelina diffusa*	Commelinaceae	Herb
32.	*Corypha umbraculifera*	Arecaceae	Tree

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Wild and Native Trees and other group of plants

33.	*Crotalaria pallida*	Fabaceae	Shrub
34.	*Cyanotis cristata*	Commelinaceae	Herb
35.	*Cymbopogon flexuosus*	Poaceae	Grass
36.	*Cyperus brevifolius*	Cyperaceae	Herb
37.	*Cyperus cyperoides*	Cyperaceae	Herb
38.	*Cyperus haspan L.*	Cyperaceae	Herb
39.	*Cyperus richardii*	Cyperaceae	Herb
40.	*Cyperus rotundus*	Cyperaceae	Herb
41.	*Dactyloctenium aegyptium*	Poaceae	Grass
42.	*Dalbergia latifolia*	Fabaceae	Tree
43.	*Dendrophthoe falcata*	Loranthaceae	Herb
44.	*Desmodium triflorum*	Fabaceae	Herb
45.	*Desmodium triquetrum*	Fabaceae	Shrub
46.	*Dioscorea bulbifera*	Dioscoreaceae	Climber
47.	*Dioscorea tomentosa*	Dioscoreaceae	Climber
48.	*Eragrostis uniloides*	Poaceae	Grass
49.	*Ficus benghalensis*	Moraceae	Tree
50.	*Ficus exasperata*	Moraceae	Tree
51.	*Ficus hispida*	Moraceae	Tree
52.	*Ficus racemosa*	Moraceae	Tree
53.	*Fimbristylis dichotoma*	Cyperaceae	Herb
54.	*Flueggea leucopyrus*	Euphorbiaceae	Shrub
55.	*Hedyotis pruinosa*	Rubiaceae	Herb
56.	*Holigarna arnottiana*	Anacardiaceae	Tree
57.	*Hyptis suaveolens*	Lamiaceae	Herb
58.	*Ischaemum muticum*	Poaceae	Grass
59.	*Ixora coccinia*	Rubiaceae	Shrub
60.	*Ixora cuncifolia*	Rubiaceae	Shrub
61.	*Jatropha curcas*	Euphorbiaceae	Shrub
62.	*Justicia japonica*	Acanthaceae	Herb
63.	*Kyllinga brevifolia*	Cyperaceae	Grass
64.	*Kyllinga bulbosa*	Cyperaceae	Grass
65.	*Leea indica*	Leeaceae	Shrub
66.	*Limnophila heterophylla*	Scrophulariaceae	Herb

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Wild and Native Trees and other group of plants

67.	*Lindernia antipoda*	Scrophulariaceae	Herb
68.	*Ludwigia perennis*	Onagraceae	Shrub
69.	*Macaranga peltata*	Euphorbiaceae	Tree
70.	*Mallotus philippensis*	Euphorbiaceae	Tree
71.	*Melastoma malabathricum*	Melastomataceae	Shrub
72.	*Memecylon randerianum*	Melastomataceae	Shrub
73.	*Merremia tridentata*	Convolvulaceae	Creeper
74.	*Microstachys chamaelea*	Euphorbiaceae	Herb
75.	*Mimosa pudica*	Fabaceae	Herb
76.	*Mitracarpus villosus*	Rubiaceae	Herb
77.	*Mollugo pentaphylla*	Aizoaceae	Herb
78.	*Mukia maderaspatana*	Cucurbitaceae	Climber
79.	*Murdannia nudiflora*	Commelinaceae	Herb
80.	*Murdannia pausiflora*	Commelinaceae	Herb
81.	*Murdannia spirata*	Commelinaceae	Herb
82.	*Mussaenda bellila*	Rubiaceae	Shrub
83.	*Nymphoides indica*	Menyanthaceae	Herb
84.	*Ochlandra travencorica*	Poaceae	Grass
85.	*Oldenlandia corymbosa*	Rubiaceae	Herb
86.	*Osbeckia aspera*	Melastomataceae	Shrub
87.	*Oxalis corniculata*	Oxalidaceae	Herb
88.	*Pandanus odorifer*	Pandanaceae	Tree
89.	*Paspalum conjugatum*	Poaceae	Grass
90.	*Paspalum distichum*	Poaceae	Grass
91.	*Passiflora foetida*	Passifloraceae	Climber
92.	*Pavetta tomentosa*	Rubiaceae	Shrub
93.	*Pennisetum pedicellatum*	Poaceae	Grass
94.	*Peperomia pellucida*	Piperaceae	Herb
95.	*Physalis minima*	Solanaceae	Herb
96.	*Pontederia vaginalis*	Pontederiaceae	Aquatic Herb
97.	*Pothos scandens*	Araceae	Climber
98.	*Pouzolzia zeylanica*	Urticaceae	Herb
99.	*Psychotria flavida*	Rubiaceae	Shrub
100.	*Rubus ellipticus Sm.*	Rosaceae	Shrub

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Wild and Native Trees and other group of plants

101.	*Sacciolepis indica*	Poaceae	Grass
102.	*Saraca asoca*	Caesalpiniaceae	Tree
103.	*Scleria sumatrensis*	Cyperaceae	Grass
104.	*Senna occidentalis*	Caesalpiniaceae	Shrub
105.	*Senna tora*	Caesalpiniaceae	Shrub
106.	*Sesamum radiatum*	Pedaliaceae	Shrub
107.	*Smilax zeylanica*	Smilacaceae	Climber
108.	*Spermacoce articularis*	Rubiaceae	Herb
109.	*Spermacoce latifolia*	Rubiaceae	Herb
110.	*Sporobolus diander*	Poaceae	Grass
111.	*Stachytarpheta jamaicansis*	Verbenaceae	Shrub
112.	*Strychnos nux-vomica*	Loganiaceae	Tree
113.	*Syzygium zeylanicum.*	Myrtaceae	Shrub
114.	*Tephrosia purpurea*	Fabaceae	Herb
115.	*Terminalia bellirica*	Combretaceae	Tree
116.	*Terminalia paniculata*	Combretaceae	Tree
117.	*Tetrastigma leucostaphylum*	Vitaceae	Climber
118.	*Thottea siliquosa*	Aristolochiaceae	Herb
119.	*Thunbergia fragrans*	Thunbergiaceae	Climber
120.	*Tragia involucrata*	Euphorbiaceae	Climber
121.	*Trema orientalis*	Ulmaceae	Tree
122.	*Tridax procumbens*	Asteraceae	Herb
123.	*Vallisneria spiralis*	Hydrocharitaceae	Herb
124.	*Vigna dalzelliana*	Fabaceae	Creeper
125.	*Zeuxine longilabris*	Orchidaceae	Ground Orchid
126.	*Ziziphus oenoplia*	Rhamnaceae	Shrub
127.	*Zizyphus rugosa*	Rhamnaceae	Shrub
128.	*Zornia gibbosa*	Fabaceae	Herb

Interestingly the proportion of wild and native plants in M. G. University campus is much higher (128 species plus the native medicinal plants) and diverse than that of the commercial, ornamental and exotic species recorded from the campus. It indicates the conservation significance of the campus. The less intervened area of ―Jeevaha Forests‖ is the main factor for harbouring such a diverse native flora. Some of them have considerable conservation significance. More detailed and systematic seasonal exploration and monitoring are required to get complete data and knowledge on rare plants and less known groups.

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Wild and Native Trees and other group of plants

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Garden Species	
	
Thunbergia erecta	*Pentas lanceolata*
	
Turnera subulata	*Barleria cristata*
	
Chrysothemis pulchella	*Spathoglottis plicata*

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Garden and Ornamental Plants

Sl. No	Scientific Name	Family	Habit
1.	*Abelmoschus moschatus*	Malvaceae	Shrub
2.	*Achetaria azurea*	Plantaginaceae	Shrub
3.	*Adenanthera pavonina*	Mimosaceae	Tree
4.	*Aglaonema sp.* Hybrid	Araceae	Herb
5.	*Allamanda cathartica*	Apocyanaceae	Climber
6.	*Anthurium andraeanum* Hybrid	Araceae	Herb
7.	*Araucaria columnaris*	Araucariaceae	Tree
8.	*Artabotrys zeylanicus*	Annonaceae	Climber
9.	*Asclepias curassavica*	Apocynaceae	Shrub
10.	*Asparagus spp.* Hybrid	Asparagaceae	Climber
11.	*Bambusa vulgaris*	Poaceae	Tall Grass
12.	*Barleria cristata*	Acanthaceae	Shrub
13.	*Barleria prionitis L.*	Acanthaceae	Shrub
14.	*Bauhinia purpurea*	Caesalpiniaceae	Tree
15.	*Bauhinia variegata*	Caesalpiniaceae	Tree
16.	*Bauhinia acuminata*	Caesalpiniaceae	Shrub
17.	*Bellis perennis*	Asteraceae	Shrub
18.	*Begonia sp. Hybrid*	Begoniaceae	Herb
19.	*Bixa orellana*	Bixaceae	Shrub
20.	*Bougainvillea* Hybrid	Nyctaginaceae	Climber
21.	*Caesalpinia pulcherrima*	Caesalpiniaceae	Shrub
22.	*Caladium bicolor*	Araceae	Herb
23.	*Cananga odorata*	Annonaceae	Tree
24.	*Chamaecrista leschenaultiana*	Caesalpiniaceae	Shrub
25.	*Chrysothemis pulchella*	Gesneriaceae	Herb
26.	*Clerodendrum inerme*	Verbenaceae	Shrub
27.	*Clerodendrum paniculatum*	Verbenaceae	Shrub
28.	*Codiaeum variegaum*	Euphorbiaceae	Shrub
29.	*Coleus scutellarioides*	Lamiaceae	Shrub
30.	*Combretum indicum*	Combretaceae	Creeper

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Garden and Ornamental Plants

31.	*Cordyline fruticosa*	Asparagaceae	Shrub
32.	*Cosmos sulphureus*	Asteraceae	Shrub
33.	*Costus woodsonii*	Costaceae	Shrub
34.	*Crinum asiaticum*	Amaryllidaceae	Bulb
35.	*Croton spp. Hybrid*	Euphorbiaceae	Shrub
36.	*Cycas revoluta*	Cycadaceae	Tree
37.	*Cyrtostachys renda*	Arecaceae	Tree
38.	*Delonix regia*	Caesalpiniaceae	Tree
39.	*Diospyros sp.*	Ebenaceae	Tree
40.	*Duranta erecta*	Verbenaceae	Shrub
41.	*Euphorbia milii*	Euphorbiaceae	Shrub
42.	*Ficus benjamina var.Comosa*	Moraceae	Tree
43.	*Ficus microcarpa*	Moraceae	Tree
44.	*Ixora coccinea* Hybrid	Rubiaceae	Shrub
45.	*Hamelia patens*	Rubiaceae	Shrub
46.	*Heliconia psittacorum*	Heliconiaceae	Shrub
47.	*Hibiscus rosa-sinensis* Hybrid	Malvaceae	Shrub
48.	*Hosta plantaginea*	Asparagaceae	Herb
49.	*Hydrangea macrophylla*	Hydrangeaceae	Shrub
50.	*Ipomoea nil*	Convolvulaceae	Climber
51.	*Ipomoea quamoclit*	Convolvulaceae	Climber
52.	*Kalanchoe pinnata*	Crassulaceae	Herb
53.	*Lagerstroemia speciosa*	Lythraceae	Tree
54.	*Lantana camara* Hybrid	Verbenaceae	Shrub
55.	*Magnolia champaca*	Magnoliaceae	Tree
56.	*Mimusops elengi*	Sapotaceae	Tree
57.	*Murraya exotica Linn.*	Rutaceae	Shrub
58.	*Myxopyrum smilacifolium*	Oleaceae	Climber
59.	*Nerium odorum Sol.*	Apocyanaceae	Shrub
60.	*Nyctanthes arbor-tristis*	Nyctanthaceae	Shrub
61.	*Peltophorum pterocarpum*	Caesalpiniaceae	Tree
62.	*Pentas lanceolata*	Rubiaceae	Shrub

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Garden and Ornamental Plants

63.	*Phalaris aurindinaceae*	Poaceae	Grass
64.	*Philodendron billietiae*	Araceae	Climber
65.	*Plumbago auriculata*	Plumbaginaceae	Shrub
66.	*Polyalthia longifolia*	Annonaceae	Tree
67.	*Pongamia pinnata*	Fabaceae	Tree
68.	*Portulaca grandiflora*	Portulacaceae	Herb
69.	*Pseuderanthemum carruthersii*	Acanthaceae	Shrub
70.	*Rosa sp.* Hybrid	Rosaceae	Shrub
71.	*Ruellia simplex*	Acanthaceae	Herb
72.	*Solena amplexicaulis*	Cucurbitaceae	Climber
73.	*Spathiphyllum kochii*	Araceae	Herb
74.	*Spathoglottis plicata*	Orchidaceae	Herb
75.	*Sporobolus diander*	Poaceae	Grass
76.	*Tabernaemontana divaricata*	Apocyanaceae	Shrub
77.	*Tecoma stans*	Bignoniaceae	Shrub
78.	*Tecoma capensis*	Bignoniaceae	Shrub
79.	*Terminalia catappa*	Combretaceae	Tree
80.	*Thunbergia erecta*	Acanthaceae	Creeper
81.	*Thunbergia laurifolia*	Acanthaceae	Creeper
82.	*Torenia bicolor*	Scrophulariaceae	Herb
83.	*Torenia fournieri*	Scrophulariaceae	Herb
84.	*Tradescantia spathacea*	Commelinaceae	Herb
85.	*Tradescantia zebrina*	Commelinaceae	Herb
86.	*Turnera subulata*	Passifloraceae	Shrub
87.	*Turnera ulmifolia*	Passifloraceae	Shrub
88.	*Vallisneria spiralis*	Hydrocharitaceae	Aquatic grass

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Garden and Ornamental Plants

Gardens are the highlights of any academic campus and M.G. University is not an exemption. Though we do not have a demarcated garden in the campus, each school and building complexes including the residential areas have gardens separately maintained. These gardens have varieties of exotic ornamental plants and medicinal plants with interesting shapes, shades and structure. Proper managing is required to dispose the garden waste otherwise possibilities of exotic invasion would damage the native flora of the campus. A total of 88 species of garden plants were recorded during the assessment.

Garden and Ornamental Plants			
			
Bougainvillea Hybrid	*Heliconia psittacorum*	*Bixa orellana*	*Torenia fournieri*
			
Ipomoea quamoclit	*Dracaena reflexa*	*Euphorbia milii*	*Combretum indicum*

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Garden and Ornamental Plants

			
Hosta plantaginea	*Phalaris aurindinaceae*	*Tradescantia spathacea*	*Philodendron billietiae*
			
Tradescantia zebrina	*Anthurium Hybrid*	*Achetaria azurea*	*Coleus scutellarioides*

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Weeds, Alien and Invasive Species

Sl. No.	Scientific Name	Family	Habit
1.	*Ageratum conyzoides*	Asteraceae	Shrub
2.	*Alternanthera bettzickiana*	Amaranthaceae	Shrub
3.	*Alternanthera brasiliana*	Amaranthaceae	Shrub
4.	*Alysicarpus vaginalis*	Fabaceae	Herb
5.	*Antigonon leptopus*	Polygonaceae	Creeper
6.	*Asystasia dalzelliana*	Acanthaceae	Herb
7.	*Caesalpinia mimosoides*	Caesalpiniaceae	Shrub
8.	*Caladium bicolor*	Araceae	Herb
9.	*Centrosema pubescens*	Fabaceae	Climber
10.	*Chromolaena odorata*	Asteraceae	Shrub
11.	*Clidemia hirta*	Melastomataceae	Shrub
12.	*Commelina diffusa*	Commelinaceae	Herb
13.	*Costus pictus*	Costaceae	Shrub
14.	*Dendrophthoe falcata*	Loranthaceae	Herb
15.	*Desmodium heterophyllum*	Fabaceae	Creeper
16.	*Elutheranthera rudralis*	Asteraceae	Herb

Weeds, Alien and Invasive Species

17.	*Epipremnum aureum*	Araceae	Climber
18.	*Euphorbia heterophylla*	Euphorbiaceae	Herb
19.	*Gomphrena celosioides*	Amaranthaceae	Herb
20.	*Heliconia psittacorum*	Heliconiaceae	Shrub
21.	*Heliotropium indicum*	Boraginaceae	Herb
22.	*Hyptis capitata*	Lamiaceae	Shrub
23.	*Ipomoea carnea*	Convolvulaceae	Shrub
24.	*Ipomoea hederifolia*	Convolvulaceae	Creeper
25.	*Ipomoea purpurea*	Convolvulaceae	Creeper
26.	*Leucaena leucocephala*	Fabaceae	Tree
27.	*Merremia vitifolia*	Convolvulaceae	Climber
28.	*Mikania micrantha*	Asteraceae	Climber
29.	*Mimosa diplotricha*	Mimosaceae	Creeper
30.	*Mucuna bracteata*	Fabaceae	Creeper
31.	*Phyllanthus urinaria*	Euphorbiaceae	Herb
32.	*Physalis angulata*	Solanaceae	Herb
33.	*Pilea microphylla*	Urticaceae	Herb
34.	*Pistia stratiotes*	Araceae	Herb
35.	*Pueraria phaseoloides*	Fabaceae	Creeper
36.	*Rivina humilis*	Petiveriaceae	Herb
37.	*Sphagneticola trilobata*	Asteraceae	Herb
38.	*Syngonium podophyllum*	Araceae	Climber
39.	*Triumfetta rhomboidea*	Tiliaceae	Shrub
40.	*Vernonia Elaeagnifolia*	Asteraceae	Creeper

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Alien and Invasive Species	
	
Lantana camera	*Centrosema pubescens*
	
Pistia stratiotes	*Triumfetta rhomboidea*
	
Mikania micrantha	*Rivina humilis*
	
Mimosa diplotricha	*Epipremnum aureum*

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Pteridophytes

Pteridophytes are vascular plants that disperse spores for their reproduction. Because pteridophytes produce neither flowers nor seeds, they are sometimes referred to as "cryptogams", meaning that their means of reproduction is hidden. Ferns, horsetails, and lycophytes are all pteridophytes. A total of 28 pteridophyte species belongs to 14 families were identified from the campus. Majority of the species belongs to families like Polypodiacae, Adiantaceae and Pteridaceae.

List of Pteridophyte Species

Sl. No.	Name	Local Name	Family
1.	*Lycopodiella cernua*	Staghorn Clubmoss	Lycopodiaceae
2.	*Selaginella tenera*	Spike Moss	Selaginellaceae
3.	*Selaginella delicatula*	Spike Moss	Selaginellaceae
4.	*Equisetium gigantum*	Southern Giant Horsetail	Equisetaceae
5.	*Psilotum nudum*	Whisk Fern	Psilotaceae
6.	*Dicranopteris linearis*	False staghorn fern	Gleicheniaceae
7.	*Lygodium flexuosum*	Climbing Fern	Schizaeaceae
8.	*Marsilea minuta*	Water Clover	Marsileaceae
9.	*Salvinia adnata*	Kariba Weed	Salviniaceae
10.	*Azolla caroliniana*	Duckweed fern	Salviniaceae
11.	*Acrostichum heterophyllum*	Sitha thali	Pteridaceae
12.	*Pityrogramma calomelanos*	Silver Fern	Pteridaceae
13.	*Pteris ensiformis*	Sword Brake	Pteridaceae
14.	*Pteris vittata*	Chinese Ladder	Pteridaceae
15.	*Pteris quadriaurita*	Striped Brake	Pteridaceae
16.	*Adiantum latifolium*	Broadleaf Maidenhair	Adiantaceae
17.	*Adiantum concinnum*	Polished Maidenhair	Adiantaceae

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List of Pteridophyte Species

18.	*Adiantum raddianum*	Maidenhair Fern	Adiantaceae
19.	*Adiantum philippense*	Philippine Maidenhair	Adiantaceae
20.	*Hemionitis arifolia*	Heart-leaf Fern	Hemionitidaceae
21.	*Stenochlaena palustris*	Climbing Fern	Blechanaceae
22.	*Blechnum orientale*	Hard Fern	Blechanaceae
23.	*Nephrolepis exaltata*	Boston Fern	Nephrolepidaceae
24.	*Davallia fejeensis*	Rabbit Foot Fern	Polypodiaceae
25.	*Drynaria quercifolia*	Oak-leaf Fern	Polypodiaceae
26.	*Drymoglossum heterophyllum*	Seetha Thali	Polypodiaceae
27.	*Lepisorus amaurolepidus*	Cluster Fern	Polypodiaceae
28.	*Lepisorus nudus*	Elongated Fern	Polypodiaceae

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Faunal Diversity of MGU (SDG 6, SDG 12, SDG 15)

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Faunal Diversity of MGU
(SDG 6, SDG 12, SDG 15)

Earthworms

An earthworm is a terrestrial invertebrate that belongs to the phylum Annelida. They are one of the sensitive organisms which often indicate the soil health as well as the climate and environmental conditions of particular area. Twelve species of earthworms belonging to six families were recorded from the main campus of Mahatma Gandhi University. Majority of them belongs to the family Magascolecidae. Among the recorded earthworms two are endemic to Kerala state (*Drawida ghatensis* and *Megascolex polytheca uniquus*). Two other speices are near endemic (which are also reported from the nearby states). Rest of them are either native peregrine (species which are wide spread within India) or exotics.

Earthworm species of Mahatma Gandhi University

Sl. No	Name	Family	Status
1.	*Drawida ghatensis*	Moniligastridae	Endemic to Kerala
2.	*Drawida travancorensis*	Moniligastridae	Native peregrine
3.	*Glyphidrilus annandalei*	Almidae	Near endemic
4.	*Pontoscolex corethrurus*	Rhinodrilidae	Exotic, invasive
5.	*Onerodrilus occidentalis*	Ocnerodrilidae	Exotic
6.	*Dichogaster bolaui*	Benhamiidae	Exotic
7.	*Megascolex cochinensis*	Megascolecidae	Near endemic
8.	*Megascolex konkanensis*	Megascolecidae	Native peregrine
9.	*Megascolex polytheca uniquus*	Megascolecidae	Endemic to Kerala
10.	*Metaphire houlleti*	Megascolecidae	Exotic, invasive
11.	*Perionyx ceylanensis*	Megascolecidae	Native peregrine
12.	*Perionyx excavatus*	Megascolecidae	Native peregrine

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Butterflies

Butterflies are the colourful goups of scaly-winged insects classified under order Lepidoptera. They are important components of biodiversity wonderfully diverse in shape, size, and color. Active during the day, they live almost everywhere around the world. In the latest assessment, a total of 114 species of butterflies belongs to five families were recorded from the Mahatma Gandhi University Campus. Nymphalidae was the dominant family with 39 species followed by Lycaenidae with 29 species, Hesperiidae with 23 species and Papilionidae with 13 species, whereas the family Pieridae represented only with 8 species.

Yam Fly (*Loxura atymnus*) is one of the beautiful butterflies and is a rare species associated with the *Dioscorea spp.* of yams and seen rarely on the edges of the Jeevaka Forests of the campus.

The Banded Royal (*Rachana jalindra*) is another rare butterfly recorded recently from the campus.

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List of Butterflies in MGU

Sl. No	Name	Common Name	Family
1.	*Abisara echerius*	Plum Judy	Lycaenidae
2.	*Acraea violae*	Tawny Coster	Nymphalidae
3.	*Aeromachus pygmaeus*	Pygmy Scrub Hopper	Hesperiidae
4.	*Ampittia dioscorides*	Bush Hopper	Hesperiidae
5.	*Anthopala pseudocentaurus*	Western Centaur Oakblue	Lycaenidae
6.	*Appias lyncida*	Chocolate Albatross	Pieridae
7.	*Ariadne ariadne*	Angled Caster	Nymphalidae
8.	*Ariadne merione*	Common caster	Nymphalidae
9.	*Baoris farri*	Paintbrush Swift	Heaperiidae
10.	*Barbo cinnara*	Rice Swift	Hesperiidae
11.	*Caleta caleta*	Angled Pierrot	Lycaenidae
12.	*Caltoris kumara*	Blank Swift	Hesperiidae
13.	*Castalius rosimon*	Common Pierrot	Lycaenidae
14.	*Catochrysops strabo*	Forget-me-not	Lycaenidae
15.	*Catopsilia Pomona*	Common Emigrant	Pieridae
16.	*Catopsilia pyranthe*	Mottled Emigrant	Pieridae
17.	*Celaenorrhinus leucocera*	Common Spotted Flat	Hesperiidae
18.	*Charaxes solon*	Black Rajah	Nymphalidae
19.	*Chilades pandava*	Plains Cupid	Lycaenidae
20.	*Cirrochora thais*	Tamil Yeoman	Nymphalidae
21.	*Coladenia indrani*	Tricolour Pied Flat	Hesperiidae
22.	*Cupha erymanthis*	Southern Rustic	Nymphalidae
23.	*Curetis thetis*	Indian Sunbeam	Lycaenidae
24.	*Cynthia cardui*	Painted Lady	Nymphalidae
25.	*Danaus chrysippus*	Plain Tiger	Nymphalidae
26.	*Danaus genutia*	Stripped Tiger	Nymphalidae
27.	*Delias eucharis*	Common Jezebel	Pieridae
28.	*Deudorix isocrates*	Common Guava Blue	Lycaenidae
29.	*Discolampa ethion*	Banded Blue Pierrot	Lycaenidae
30.	*Discophora lepida*	Southern Duffer	Nymphalidae

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List of Butterflies in MGU

31.	*Elymnias hypermnestra*	Common Palmfly	Nymphalidae
32.	*Euchrysops strabo*	Gram Blue	Lycaenidae
33.	*Euploea core*	Common Crow	Nymphalidae
34.	*Euploea klugii*	Brown King Crow	Nymphalidae
35.	*Eurema blanda*	Three-spot Grass Yellow	Pieridae
36.	*Eurema hecabe*	Common Grass Yellow	Pieridae
37.	*Euthalia lubentina*	Gaudy Baron	Nymphalidae
38.	*Euthlia aconthea*	Common Baron	Nymphalidae
39.	*Freyeria trochylus*	Grass Jewel	Lycaenidae
40.	*Gangara thyrsis*	Giant Red eye	Hesperiidae
41.	*Graphium Agamemnon*	Tailed Jay	Papilionidae
42.	*Graphium sarpedon*	Common Blue Bottle	Papilionidae
43.	*Halpe homolea*	Indian Ace	Hesperiidae
44.	*Hebomoia glaucippe*	Giant Orange Tip	Pieridae
45.	*Hypolimnas bolina*	Great Eggfly	Nymphalidae
46.	*Hypolimnas misippus*	Danaid Eggfly	Nymphalidae
47.	*Iambrix salsala*	Chestnut Bob	Hesperiidae
48.	*Jamides celeno*	Common Cerulean	Lycaenidae
49.	*Junonia almana*	Peacock Pansy	Nymphalidae
50.	*Junonia atlites*	Grey Pansy	Nymphalidae
51.	*Junonia iphita*	Chocolate Pansy	Nymphalidae
52.	*Junonia lemonias*	Lemon Pansy	Nymphalidae
53.	*Lampides boeticus*	Pea Blue	Lycaenidae
54.	*Leptosia nina*	Psyche	Pieridae
55.	*Lethe drypetis*	Tamil Tree Brown	Nymphalidae
56.	*Lethe europa*	Bamboo Tree Brown	Nymphalidae
57.	*Loxura atymnus*	Yamfly	Lycaenidae
58.	*Matapa aria*	Common Redeye	Hesperiidae
59.	*Melanitis leda*	Common Evening Brown	Nymphalidae
60.	*Melanitis Phedima*	Dark Evening Brown	Nymphalidae
61.	*Moduza procris*	Commander	Nymphalidae
62.	*Mycalesis perseus*	Common Bushbrown	Nymphalidae

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List of Butterflies in MGU

63.	*Neopithecops zalmora*	Quaker	Lycaenidae
64.	*Neptis hylas*	Common Sailor	Nymphalidae
65.	*Neptis jumbah*	Chestnut-streaked Sailor	Nymphalidae
66.	*Notocrypta curvifascia*	Restricted Demon	Hesperiidae
67.	*Oriens goloides*	Indian Dartlet	Hesperiidae
68.	*Orsotrioena medus*	Medus Brown	Nymphalidae
69.	*Pachliopta pandiyana*	Malabar Rose	Papilionidae
70.	*Pachliopta aristolochiae*	Common Rose	Papilionidae
71.	*Pachliopta hector Crimson Rose*	Crimson Rose	Papilionidae
72.	*Pantoporia hordonia*	Common Lascar	Nymphalidae
73.	*Papilio clytia*	Common Mime	Papilionidae
74.	*Papilio demoleus*	Lime Butterfly	Papilionidae
75.	*Papilio helenus*	Red Helen	Papilionidae
76.	*Papilio liomedon*	Malabar banded swallowtail	Papilionidae
77.	*Papilio paris*	Paris Peacock	Papilionidae
78.	*Papilio polymnestor*	Blue Mormon	Papilionidae
79.	*Papilio polytes*	Common Mormon	Papilionidae
80.	*Parantica aglea*	Glassy Tiger	Nymphalidae
81.	*Parnara bada*	Straight Swift	Hesperidae
82.	*Parthenos Sylvia*	Clipper	Nymphalidae
83.	*Pelopidas sp.*	Obscure Branded Swift	Hesperiidae
84.	*Phalanta phalantha*	Common Leopard	Nymphalidae
85.	*Polytremis lubricans*	Contiguous Swift	Hesperiidae
86.	*Polyura athamas*	Common Nawab	Nymphalidae
87.	*Prosotas nora*	Common Line Blue	Lycaenidae
88.	*Rachana jalindra*	Banded Royal	Lycaenidae
89.	*Rapala manea Slate Flash*	Slate Flash	Lycaenidae
90.	*Rathinda amor*	Monkey Puzzle	Lycaenidae
91.	*Sarangesa dasahara*	Common Small Flat	Hesperiidae
92.	*Sipalia galba*	Indian Skipper	Hesperiidae
93.	*Spalgis epius*	Apefly	Lycaenidae
94.	*Spindasis vulcanus*	Common Silverline	Lycaenidae

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List of Butterflies in MGU

95.	*Suastus gremius*	Indian Palm Bob	Hesperiidae
96.	*Tagiades gana*	Suffused Snow Flat	Hesperiidae
97.	*Tagiades litigiosa*	Water Snow Flat	Hesperiidae
98.	*Tajuria cippus*	Peacock Royal	Lycaenidae
99.	*Talicada nyseus*	Red Pierrot	Lycaenidae
100.	*Talicada nyseus*	Red Pierrot	Lycaenidae
101.	*Tanaecia lepidea*	Grey Count	Nymphalidae
102.	*Taractrocera ceramas*	Tawny-dotted Grass Dart	Hesperiidae
103.	*Taractrocera maevius*	Common Grass Dart	Hesperiidae
104.	*Telicota bambusae*	Dark Palm Dart	Hesperiidae
105.	*Tirumala limniace*	Blue Tiger	Nymphalidae
106.	*Tirumala septentrionis*	Dark Blue Tiger	Nymphalidae
107.	*Troides minos*	Southern Birdwing	Papilionidae
108.	*Udaspus folus*	Grass Demon	Hesperiidae
109.	*Ypthima baldus*	Common Five-ring	Nymphalidae
110.	*Ypthima huebneri*	Common Four-ring	Nymphalidae
111.	*Zesius chrysomallus*	Red Spot	Lycaenidae
112.	*Zizeeria karsandra*	Dark Grass Blue	Lycaenidae
113.	*Zizina otis*	Lesser Grass Blue	Lycaenidae
114.	*Zizula hylax*	Tiny Grass Blue	Lycaenidae

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Butterflies of the Campus

	
Monkey Puzzle	**Common Crow**
	
Chestnut Bob	**Common Cerulean**
	
Grey Pansy	**Plain Tiger**
	
Common Emigrant	**Blue Tiger**

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Butterflies of the Campus

	
Common Palmfly	**Common Emigrant**
	
Common five-ring	**Tawny-spotted Grass Dart**
	
Banded Blue Pierrot	**Grass Demon**

	
Common Baron	**Common Cerulean mating**

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Odonates (Dragonflies and Damselflies)

Odonates are important bio-indicators as well as bio-control agents of any ecosystem. Having diverse habitat types including waterbodies and marshy edges; the campus has considerable number of odonate species. In the present study, 23 species of dragonflies and 6 species of damselflies were identified from the Mahatma Gandhi University Campus. Out of the 177 species of dragonflies belong to five families recorded from Peninsular India, only 23 species belonging to three families were found in the campus. Libellulidae is the most species-rich family with 21 species followed by Gomphidae and Aeshnidae with one species each.

Sl. No	Name	Common Name	Family
1.	*Ictinogomphus rapax*	Common Clubtail	Gomphidae
2.	*Gynacantha dravida*	Brown Darner	Aeshnidae
3.	*Acisoma panorpoides*	Common Trumpet Tail	Lebellulidae
4.	*Aethriamantha brevipennis*	Scarlet Marsh Hawk	Lebellulidae
5.	*Brachydiplax sobrina*	Sombre Lieutenant	Lebellulidae
6.	*Brachythemis contaminate*	Ditch Jewel	Lebellulidae
7.	*Bradinophyga geminate*	Granite Ghost	Lebellulidae
8.	*Crocothemis servilia*	Ruddy Marsh Skimmer	Lebellulidae
9.	*Diplocodes trivialis*	Ground Skimmer	Lebellulidae
10.	*Lathrecista asiatica*	Asiatic Blood Tail	Lebellulidae
11.	*Neurothemis fulvia*	Fulvous Forest Skimmer	Lebellulidae
12.	*Neurothemis tullia*	Pied Paddy Skimmer	Lebellulidae
13.	*Orthetrum chrysis*	Spine-tufted Skimmer	Lebellulidae
14.	*Orthetrum glaucaum*	Blue Marsh Hawk	Lebellulidae
15.	*Orthetrum luzonicum*	Marsh Skimmer	Lebellulidae
16.	*Orthetrum sabina*	Green Marsh Hawk	Lebellulidae
17.	*Potamarcha congener*	Yellow-tailed Ashy Skimmer	Lebellulidae
18.	*Rhodothemis rufa*	Spine-legged Redbolt	Lebellulidae
19.	*Rhyothemis veriegata*	Common Picture Wing	Lebellulidae
20.	*Tholymis tillarga*	Foggy-winged Twister	Lebellulidae
21.	*Trithemis aurora*	Crimson Marsh Glider	Lebellulidae
22.	*Urothemis signata*	Scarlet Basker	Lebellulidae
23.	*Tramea limbata*	Black marsh trotter	Lebellulidae

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Dragonflies and Damselfliesof the Campus	
	
Aethriamantha brevipennis	*Urothemis signata*
	
Rhyothemis variegata	*Neurothemis tullia*
	
Brachydiplax chalybea	*Brachythemis contaminata*

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Damselflies	
	
Copera marginipes - male	*Ceriagrion coromandelianum*
	
Pseudagrion microcephalum	*Vestalis gracilis*
	
Lestes elatus	*Pseudagrion rubriceps*

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Some Other Interesting Invertebrates of the Campus	
	
Agathia laetata	***Micronia aculeata***
	
Argiope anasuja	***Beefly***

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Fishes

Seven species of fishes belonging to five families were recorded from the waterbodies and wetlends of Mahatma Gandhi University campus. Cyprind fishes such as Puntius vittatus, Rasbora dandia and Dawkinsiaa filamentosa are the dominant family seen in the campus. Economicall important striped snakehead (*Channa striata*) is also spotted in the waterbodies. Systematic and detailed survey would bring out more species from the campus.

Sl. No	Scientific Name	Common Name	Family
1.	*Rasbora dandia*	Slender Rasbora	Cyprinidae
2.	*Puntius vittatus*	Greenstripe Barb	Cyprinidae
3.	*Dawkinsia filamentosa*	Filament barb	Cyprinidae
4.	*Aplocheilus lineatus*	Striped Panchax	Aplochelidae
5.	*Anabas testudineus*	Climbing Perch	Anabantidae
6.	*Channa striata*	Striped Snakehead	Channidae
7.	*Pseudosphromenus cupanus*	Spiketail Paradisefish	Osphronemidae

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Reptiles

Nineteen species of reptile belong to nine families were identified from the campus. Majority of them represents the snakes of Colubridae family, lizards of Agamidae and skinks of Scincidae. Indian black turtle is the only aquatic turtle spotted from the campus.

List of reptiles

Sl No	Name	Common Name	Family
1.	*Melanochelys trijuga*	Indian Black Turtle	Geoemydidae
2.	*Naja naja*	Indian Spectacled Cobra	Elapidae
3.	*Bungarus caeruleus*	Common Krait	Elapidae
4.	*Daboia russelii*	Russell‘s Viper	Viperidae
5.	*Ptyas mucosa*	Common Rat snake	Colubridae
6.	*Fowlea piscator*	Checkered Keelback	Colubridae
7.	*Dendrolephis tristis*	Common bronzeback	Colubridae
8.	*Coelognathus helena*	Common trinket snake	Colubridae
9.	*Ahaetulla prasina*	Asian vine snake	Colubridae
10.	*Python molurus*	Indian Rock Python	Pythonidae
11.	*Varanus bengalensis*	Monitor lizard	Varanidae
12.	*Calotes versicolor*	Garden lizard	Agamidae
13.	*Calotes calotes*	Common green forest lizard	Agamidae
14.	*Draco dussumieri*	Flying Lizard	Agamidae
15.	*Cnemaspis littoralis*	Coastal Day Gecko	Gekkonidae
16.	*Hemidactylus brookii*	Spotted House Gecko	Gekkonidae
17.	*Sphenomorphus dussumieri*	Dussumier's Litter Skink	Scincidae
18.	*Eutropis carinata*	Golden Skink	Scincidae
19.	*Eutropis macularia*	Forest Skink	Scincidae

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Reptiles of the Campus

	
Indian Black Turtle	**Indian Rat Snake**
	
Common Keeled Skink	**Green Forest Lizard**
	
Dussumier's Litter Skink	**Indian Monitor Lizard**

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Birds

From the campus, a total of 81 species of birds belongs to 12 orders and 34 families have been recorded. The order Passeriformes showed the maximum species. Out of the total species recorded from the campus, seven (14%) are migratory birds Nesting of six species (12%) had been observed in the Campus during the study.

List of bird species

Sl. No	Name	Common Name	Family
1.	*Dendrocygna javanica*	Lesser Whistling Duck	Anatidae
2.	*Nettapus coromandelianus*	Cotton Pygmy Goose	Anatidae
3.	*Phalacrocorax niger*	Little Cormorant	Phalacrocoracidae
4.	*Anhinga melanogaster*	Oriental Darter	Anhingidae
5.	*Ardeola grayii*	Indian Pond Heron	Ardeidae
6.	*Bubulcus ibis*	Cattle Egret	Ardeidae
7.	*Egretta garzetta*	Little Egret	Ardeidae
8.	*Mesophoyx intermedia*	Median Egret	Ardeidae
9.	*Ardea alba*	Great Egret	Ardeidae
10.	*Ardea purpurea*	Purple Heron	Ardeidae
11.	*Ixobrychus cinnamomeus*	Chestnut Bittern	Ardeidae
12.	*Milvus migrans*	Black Kite	Accipitridae
13.	*Haliastur indus*	Brahminy Kite	Accipitridae
14.	*Accipiter badius*	Shikra	Accipitridae
15.	*Spilornis cheela*	Crested Serpent Eagle	Accipitridae
16.	*Nisaetus cirrhatus*	Changeable Hawk Eagle	Accipitridae
17.	*Pernis ptilorhynchus*	Oriental Honey Buzzard	Accipitridae
18.	*Aviceda leuphotes*	Black Baza	Accipitridae
19.	*Amaurornis phoenicurus*	White-breasted Waterhen	Rallidae
20.	*Rallina eurizonoides*	Slaty-legged Crake	Rallidae
21.	*Treron pompadora*	Grey-fronted Green Pigeon	Columbidae

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List of bird species

22.	*Columba livia*	Rock Pigeon	Columbidae
23.	*Chalcophaps indica*	Emerald Dove	Columbidae
24.	*Psittacula krameri*	Rose-ringed Parakeet	Psittacidae
25.	*Psittacula cyanocephala*	Plum-headed Parakeet	Psittacidae
26.	*Loriculus vernalis*	Vernal Hanging-parrot	Psittacidae
27.	*Cuculus varius*	Common Hawk-cuckoo	Cuculidae
28.	*Eudynamys scolopacea*	Asian Koel	Cuculidae
29.	*Surniculus lugubris*	Square-tailed Drongo-cuckoo	Cuculidae
30.	*Centropus sinensis*	Greater Coucal	Cuculidae
31.	*Glaucidium radiatum*	Barred Jungle Owlet	Strigidae
32.	*Tyto alba*	Barn owl	Strigidae
33.	*Otus bakkamoena*	Indian Scops-owl	Strigidae
34.	*Ninox scutulata*	Brown Hawk owl	Strigidae
35.	*Cypsiurus balasiensis*	Asian Palm Swift	Apodidae
36.	*Apus nipalensis*	House Swift	Apodidae
37.	*Aerodramus unicolor*	Indian Swiftlet	Apodidae
38.	*Halycon smyrnensis*	White-breasted Kingfisher	Alcedinidae
39.	*Alcedo atthis*	Small blue Kingfisher	Alcedinidae
40.	*Merops orientalis*	Small Green Bee-eater	Meropidae
41.	*Merops philippinus*	Blue-Tailed Bee-eater	Meropidae
42.	*Psilopogon haemacephalus*	Coppersmith Barbet	Meropidae
43.	*Megalaima viridis*	Small Green Barbet	Capitonidae
44.	*Dinopium benghalense*	Black-rumped Flamback	Picidae
45.	*Pitta brachyuran*	Indian Pitta	Pittidae
46.	*Hirundo rustica*	Barn Swallow	Hirundinidae
47.	*Hirundo daurica*	Red rumped Swallow	Hirundinidae
48.	*Oriolus kundoo*	Indian Golden Oriole	Oriolidae
49.	*Oriolus xanthornus*	Black-hooded Oriole	Oriolidae
50.	*Dicrurus macrocercus*	Black Drongo	Dicruridae
51.	*Dicrurus leucophaeus*	Ashy Drongo	Dicruridae
52.	*Dicrurus aeneus*	Bronzed Drongo	Dicruridae
53.	*Dicrurus paradiseus*	Greater Racket-tailed Drongo	Dicruridae
54.	*Acridotheres tristis*	Common Myna	Sturinidae
55.	*Acridotheres fuscus*	Jungle Myna	Sturinidae

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List of bird species

56.	*Dendrocitta vagabunda*	Rufous Tree Pie	Corvidae
57.	*Corvus macrorhychos*	Indian Jungle Crow	Corvidae
58.	*Corvus splendens*	House Crow	Corvidae
59.	*Aegithina tiphia*	Common Iora	Irenidae
60.	*Pycnonotus jocosus*	Red-whiskered Bulbul	Pycnonotidae
61.	*Pycnonotus cafer*	Red-vented Bulbul	Pycnonotidae
62.	*Brachypodius priocephalus*	Grey-headed Bulbul	Pycnonotidae
63.	*Turdoides striatus*	Jungle Babbler	Leiothrichidae
64.	*Terpsiphone paradise*	Indian Paradise Flycatcher	Monarchidae
65.	*Hypothymis azurea*	Black-naped Monarch	Monarchidae
66.	*Prinia hodgsonii*	Grey-breasted Prinia	Cisticolidae
67.	*Orthotomus sutorius*	Common Tailorbird	Cisticolidae
68.	*Acrocephalus dumetorum*	Blyth‘s Reed Warbler	Acrocephalidae
69.	*Phylloscopus nitidus*	Green Leaf Warbler	Phylloscopidae
70.	*Copsychus saularis*	Oriental Magpie-Robin	Muscicapidae
71.	*Myophonus horsfieldii*	Malabar whistling thrush	Muscicapidae
72.	*Cyornis tickelliae*	Tickell's blue flycatcher	Muscicapidae
73.	*Muscicapa dauurica*	Asian Brown Flycatcher	Muscicapidae
74.	*Zoothera citrina cyanotus*	White-throated Ground Thrush	Turdidae
75.	*Motacilla maderaspatensis*	White-browed Wagtail	Motacillidae
76.	*Motacilla cinerea*	Grey Wagtail	Motacillidae
77.	*Dendronanthus indicus*	Forest Wagtail	Motacillidae
78.	*Dicaeum erythrorhynchos*	Tickell‘s Flowerpecker	Dicaeidae
79.	*Nectarinia zeylanica*	Purple-rumped Sunbird	Nectariniidae
80.	*Nectarinia lotenia*	Loten‘s Sunbird	Nectariniidae
81.	*Lonchura striata*	White-rumped Munia	Estrildidae

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List of bird species

	
Red-whiskered Bulbul	**Jungle Myna**
	
Purple-rumped Sunbird	**Oriental Magpie-Robin**
	
Black-hooded Oriole	**Jungle Babbler**

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List of bird species

	
Common Myna	**Barred Jungle Owlet**
	
White-browed wagtail	**Brahminy Kite**

Indian Pita (*Pitta brachyura*) is a passerine bird which breeds in the forests of the Himalayas, hills of central and western India, and migrates during winter months to Peninsular India - a regular visitor to M. G. University Campus.

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a) Mammals

A total of eighteen species of mammals belonging to eleven families were identified from the campus. The list includes two feral species the free-range cats and free-range dogs which are not owned by anybody. The Bonnet macaque is a rare visitor to the campus. Domestic cattle and goats are the cattle that graze in the campus. The rare indigenous breed **—Vechoor Cow is also reared in the campus as part of the Inter- University Centre for Organic Forming and Sustainable Agriculture.**

Best Practice - Conservation of Indigenous/native Breed "Vechoor Cow" is reared in the campus as part of the Centre for Organic Farming and Sustainable Agriculture

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List of mammalian species

Sl no	Name	Common Name	Family
1.	*Macaca radiata*	Bonnet macaque	Cercopithecidae
2.	*Funambulus tristriatus*	Jungle-palm squirrel	Sciuridae
3.	*Bandicota bengalensis*	Lesser Bandicoot Rat	Muridae
4.	*Mus musculus*	House Mouse	Muridae
5.	*Rattus norvegicus*	Brown Rat	Muridae
6.	*Rattus rattus*	House Rat	Muridae
7.	*Suncus murinus*	Grey Musk Shrew	Soricidae
8.	*Cynopterus sphinx*	Short-nosed Fruit Bat	Pteropodidae
9.	*Pteropus giganteus*	Indian Flying Fox	Pteropodidae
10.	*Rousettus leschenaultii*	Fulvous Fruit Bat	Pteropodidae
11.	*Hipposideros ater*	Dusky Leaf-nosed Bat	Hipposideridae
12.	*Kerivoula picta*	Painted Bat	Vespertilionidae
13.	*Scotophilus kuhlii*	Lesser Asiatic Yellow Bat	Vespertilionidae
14.	*Canis lupus familiaris*	Feral Dog/Free-ranging Dog	Canidae
15.	*Paradoxurus hermaphroditus*	Common Palm civet	Viverridae
16.	*Herpestes edwardsii*	Indian Grey Mongoose	Herpestidae
17.	*Felis chaus*	Jungle Cat	Felidae
18.	*Felis catus*	Feral Cat/Free-range Cat	Felidae

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Miyawaki Forest (SDG 6, SDG 12, SDG 15)

https://ses.mgu.ac.in/miyawaki/

https://www.mgu.ac.in/miyawaki-forest/

Supported by the Directorate of Environmental and Climate Change, Kerala, the noteworthy project unfolds within the expansive landscape of Mahatma Gandhi University. Nestled within the university's grounds, a precisely delineated expanse of 3.5 cents of land has been dedicated to this endeavor. This chosen parcel has undergone a meticulous transformation, characterized by the deliberate introduction of a scientifically curated collection of indigenous saplings.

This strategic afforestation initiative has been executed with utmost precision, ensuring that each selected plant variety harmoniously coexists within the designated ecosystem. The result of these painstaking efforts is a thriving forest system, where the symphony of nature reverberates through the growth of a remarkable 83 distinct plant species.

These botanical constituents have been carefully nurtured and thoughtfully tended, establishing a sustainable and ecologically sound environment within the verdant confines of Mahatma Gandhi University. This innovative project stands as a testament to the university's commitment to fostering biodiversity and promoting a balanced cohabitation of native flora within its campus landscape

Miyawaki Reforestation Program Begins on the

MGU PD Hills Campus

With the support of the Environment and Climate Change Directorate, Government of Kerala, MGU began the Miyawaki afforestation program on the PD Hills campus.

The natural forest cycle is succeeded by perennial grass, herbs and shrubs which are tolerant to sunlight, light demanding as well as fast growing trees, shade loving shrubs and trees, and finally natural forests which still take centuries or more. There are two stages in the current forest reforestation programmes. Planting of one or more species at the start of succession. Once these species are successfully established, they are gradually replaced by intermediary species, either naturally or by planting. This attempts to stimulate the natural process of ecological succession with the aid of various silvicultural practices and normally takes a lot of time.

The increased rate of urbanisation and industrialisation, the improvement of reforestation technique needs to address the current scenario. One reliable forest restoration method is 'native forest by native trees', based on the vegetation-ecological theories by Prof. Akira Miyawaki. The Miyawaki method involves the surveying of potential natural vegetation, recovering top soil and vegetational succession.

Dr Mahesh Mohan is leading the initiative. Now, the University plans to implement projects at affiliated colleges by providing technical support.

To learn more, please contact

Dr. Mahesh Mohan

E-mail: mahises@gmail.com

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Miyawaki Forest (SDG 6, SDG 12, SDG 15)

MIYAWAKI ON MGU

Once we thought of trees in terms of timber, medicine, fuel and the like. Todayviewing from different ankles- particularly from urban heat chambers, we think of them in terms of our very survival mechanism. It all began with increased concentration of human activities in urban spaces. Life on urban islands is not new to this era. But the tragedy is that these islands are turning to heat chambers offsetting all our claims on developments and realization of the much hyped urban dreams. The enormity of the problems that knocks at our doors cannot simply be drawn using expressions like loss of green cover or climatic fluctuations. The life-threatening changes we are through are almost unscalable. Countries like ours are facing nothing short of climatic breakdown. Between 2001 and 2018 what India has lost is about 1.8 million hectors of tree cover, that is four times the geographical area of Goa! India's commitment to UNFCC to cover 33% of its geographical area with forest cover by 2022 may be viewed in this context.

One widely discussed method in recent times to achieve this golden goal is potted seedling method or Miyawaki method of afforestation. This is the method of creating multi -layered forest using native saplings.

Akira Miyawaki, a Japanese botanist is the pioneer of this method. In fact he had created his own four layered system of planting trees.

Unlike solo tree plantations, Miyawaki system of forest houses trees exactly as seen in natural settings with no reservations.

Mahatma Gandhi University campus which spares no chance to celebrate the green colour has welcomed a project for Miyawaki model of islet last year. The project is supported by the Directorate of Environment and Climate change. The 3.5 cent of land earmarked for this project has been meticulously filled with a blend of scientifically chosen varieties of indigenous saplings. The mission of the team of researchers under Asst. Prof. Dr. Mahesh Mohan behind the implementation of this project is to evolve the right approach for the Miyawaki model in Kerala. As the project picks up more colleges affiliated to the University are expected to emulate this globally acclaimed green model.

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Miyawaki Forest (SDG 6, SDG 12, SDG 15)

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Green Protocol of Mahatma Gandhi University

https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR16SE361NO10162.pdf

Mahatma Gandhi University

A Policy Statement on Green Protocol

Towards the green campus

MAHATMA GANDHI UNIVERSITY

A Policy Statement on Green Protocol

Towards the green campus

Plastic ban – Prithvi (SDG 12, SDG 15)

Mahatma Gandhi University has issued a directive aimed at maintaining a clean campus environment by curbing the usage of non-organic materials. The university emphasizes the importance of proper disposal of organic waste and minimizing the use of non-organic materials. As part of this initiative, the Hon' Vice Chancellor has approved a strict prohibition on the utilization of non-organic items such as paper/plastic glasses, plates, and covers during receptions and public gatherings within the university premises. This restriction applies to various university areas including Academic Departments, Staff Quarters, Guest House, Assembly Hall, and Hostels. Additionally, the distribution of bottled drinking water is discouraged.

Instead of the aforementioned materials, it is mandated that reusable items made from materials like steel, ceramic, fiber, etc., should be used. This measure is being implemented to align with the university's goal of creating a more sustainable and eco-friendly campus.

https://www.mgu.ac.in/uploads/2020/01/plastics5.pdf?x11233

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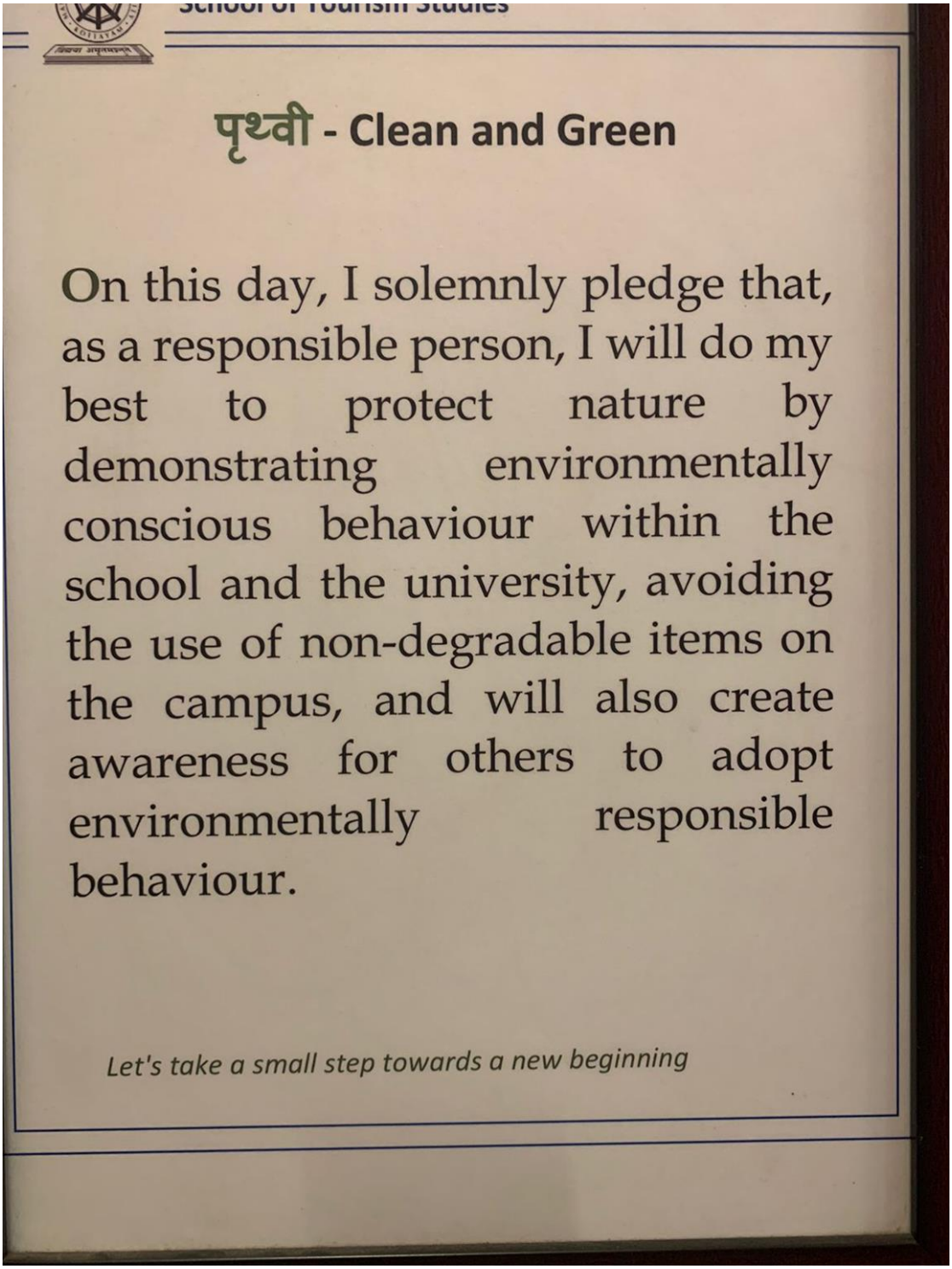
Plastic ban – Prithvi (SDG 12, SDG 15)



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Plastic ban – Prithvi (SDG 12, SDG 15)

The Plastic Ban - Prithvi Initiative within Mahatma Gandhi University is a resolute step towards fulfilling the objectives of Sustainable Development Goals (SDGs) 12 and 15. This pioneering endeavor epitomizes the university's unwavering commitment to address critical environmental challenges and pave the way for a sustainable future.

Aligned with SDG 12, which focuses on responsible consumption and production, the Plastic Ban - Prithvi Initiative seeks to significantly reduce the consumption and disposal of plastic materials within the university campus. By promoting conscious choices and advocating for alternative, eco-friendly materials, the initiative strives to minimize the environmental footprint associated with plastic usage. Furthermore, the initiative harmonizes with the essence of SDG 15, which centers on life on land and the preservation of terrestrial ecosystems.

MAHATMA GANDHI UNIVERSITY

Endorsement No.48198/AdA3/2019/ADMIN Ddated 17.03.2021

Sanction has been accorded by the Hon'ble Vice Chancellor, by exercising powers under Section 10(17), Chapter-III of Mahatma Gandhi University Act - 1985 to endorse the G.O.(Ms)No.7/2019/ENVT, Dated-17.12.2019 by modifying the G.O.(Ms)No.2/2021/ENVT, Dated- 28.02.2021 issued in connection with imposing a blanket ban on single use plastic in the state with effect from 1st January, 2020.

Orders are issued accordingly.

Sd/-
Ramesh R
Assistant Registrar I –(Admn)
For Registrar

Copy to:-

1. All Departments, Sections and Centres
2. PS to VC & PVC
3. PA to Registrar/ Finance Officer /Controller of the Examinations
4. Joint Director, KSAD, MG University
5. AR/DR/JR(Admn/Academic/Finance /Exam)
6. PRO/CITAD/Content Management Section (To Upload in the website)
7. IQAC/FCC/AcC 1/2/AdD1/2/3Finance IV/Audit V
8. Record Section/Stock File/File Copy

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Plastic ban – Prithvi (SDG 12, SDG 15)

MAHATMA GANDHI UNIVERSITY

Abstract

Administration- Estate- Prohibition of use of Non - organic materials in University Campus - Orders Issued.

.....

Administration B3 SECTION

No.3301/ S.O./006 2017/Administration Dated - 01.06.2017

.....

Read:- 1.U.O. No. 1368/ AD A9/ 2021 / M.G.U dated 05.03.2021
2.U.O.No. 3296/ AD A9/ 2021 / M.G.U dated 14.07.2021
3.Letter received from Dr. Mahesh Mohan dated 19.07.2021

ORDER

Plates and glasses made of Non-organic materials are used in connection with receptions and public events held in the University Campus. These are left behind in the campus itself after use, causing environmental problems. The goal of a clean campus can only be achieved by proper disposal of organic wastes and by controlling the use of Non - organic wastes as much as possible.

As a part of the implementation of this objective in the University campus, sanction has been accorded by the Hon' Vice Chancellor to strictly prohibit the use of glasses, plates and covers made of paper/plastic and other Non-organic materials in receptions and public events in the University campus including Academic Departments, Staff Quarters, Guest House, Assembly Hall and Hostels, and the distribution of bottled drinking water bottles. Instead of the above mentioned materials, only reusable materials made of steel/ceramic/fiber etc. should be used.

Orders are issued accordingly.

Sd/-
Tulasilal R.N
Estate Office
For Registrar

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Energy Policy of Mahatma Gandhi University

https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR16SE361NO10162.pdf

Mahatma Gandhi University

Energy Policy

The Energy Policy of Mahatma Gandhi University is framed addressing effective energy management through improvement in energy efficiency and maximize the use of renewable energy, reduction of energy consumption and cost, eliminating wastages by use of good housekeeping practices, awareness and training programmes on energy conservation, and minimizing environmental degradation in order to maintain an eco-friendly green campus.

Mission:

- Minimise energy consumption by use of energy efficient infrastructure and maximum use of day light, natural ventilation and energy substitution.
- Maximise use of renewable energy.
- Create awareness on energy conservation.

The University envisages an Energy Management Action Plan as follows:

1. **Management System**
   - An Energy Management Cell with representation from all departments to ensure that the energy management programme is implemented effectively.
   - The Energy Management Cell establishes well-defined procedures to create an energy baseline assessment, define the academic year's energy agenda, develop implementation instrumentations, review, follow-up and monitor, as well as prepare a checklist to keep track of the Energy Management Action Plan's short and long-term objectives.
   - In order to meet and exceed zero-carbon campus objectives, short- and long-term goals as well as conservation methods are followed.
2. **Improvement in energy efficiency**
   - Keep track of and analyze energy efficiency
   - Use of energy-efficient equipment with star rating
   - A sustainable approach is followed by extending the life of existing equipment and replacing with more efficient ones as necessary.
   - Use of star labelled equipment such as Refrigerators and Air Conditioners.
   - Encourage the use of energy-efficient light bulbs and the replacement of conventional ceiling fans with BLDC ceiling fans.
   - Use of TFT computer monitors.
3. **Elimination of Energy wastage**
   - To save energy, employ occupancy sensors in classrooms, administrative offices, and toilets, as well as sensor-based switches for streetlights and corridor lighting.

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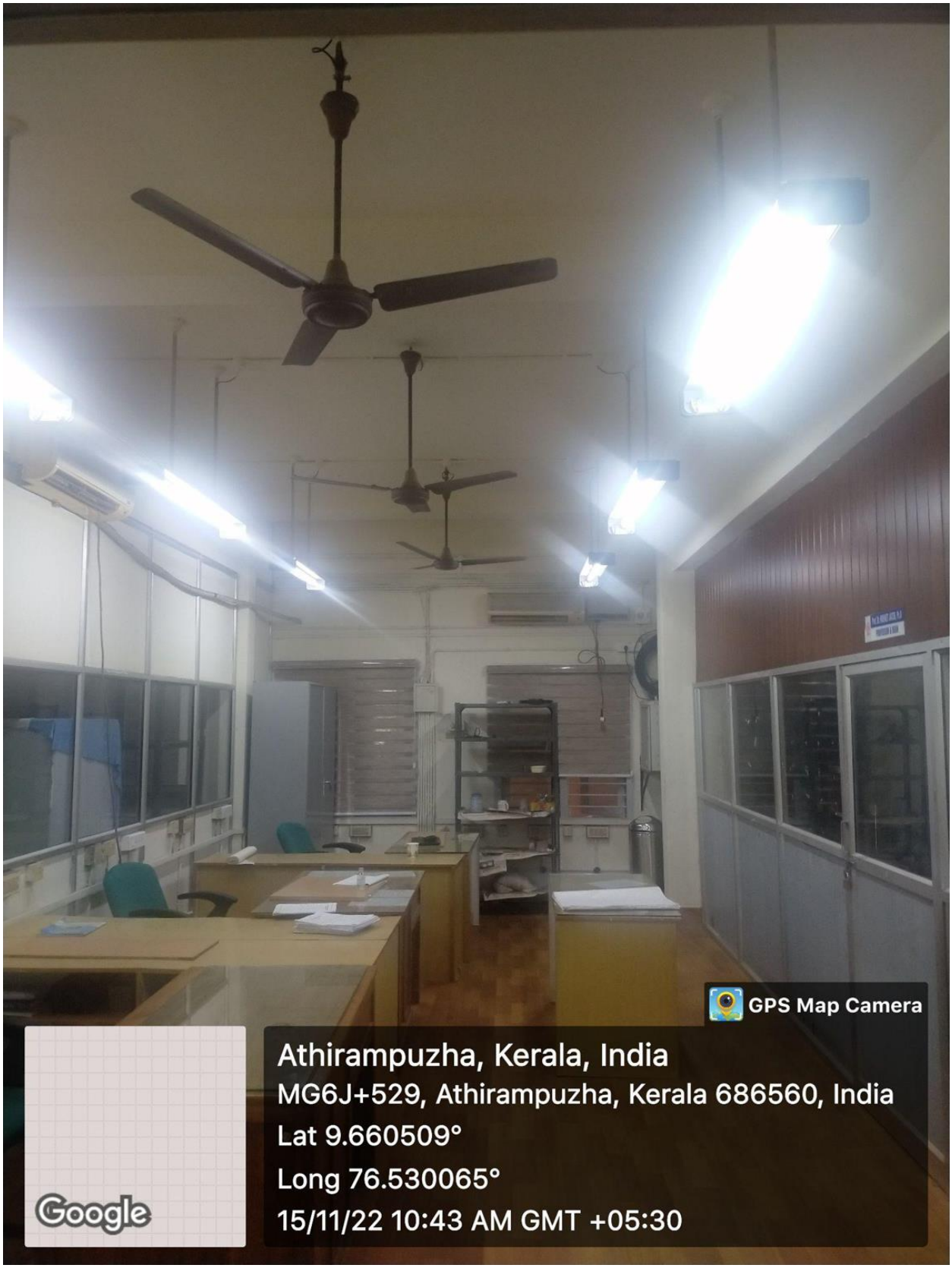
Use of Led Bulbs/Power Efficiency Equipment



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Use of Led Bulbs/Power Efficiency Equipment

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Mahatma Gandhi University stands as a shining example of environmental responsibility and forward-thinking by housing a remarkable 400 KW solar power plant on its premises. The 400 KW solar power plant is a testament to Mahatma Gandhi University's dedication to harnessing clean and renewable energy sources. Solar power is a significant step toward reducing the university's carbon footprint and reliance on non-renewable fossil fuels, aligning perfectly with global efforts to combat climate change. By generating electricity from sunlight, the university contributes to a cleaner environment and sets an impactful precedent for other educational institutions and organizations to follow suit.

The installation's capacity of 400 KW signifies a substantial commitment to green energy. It demonstrates the university's understanding of the potential of solar power to meet its energy needs while also reducing its dependence on traditional energy sources that contribute to pollution and environmental degradation. This capacity has a ripple effect, showcasing the feasibility of larger solar projects and the capacity for educational institutions to become more self-sufficient in their energy requirements.

Beyond its environmental benefits, the 400 KW solar power plant has educational and awareness-raising dimensions. By integrating the solar plant into its campus infrastructure, Mahatma Gandhi University offers students a tangible and practical learning experience about renewable energy technology. Students can witness first-hand how sunlight can be converted into electricity, deepening their understanding of sustainable energy practices and encouraging them to explore innovative solutions for future energy challenges.

Furthermore, the solar power plant serves as a source of inspiration for the university community and the region at large. It exemplifies the potential for sustainable development and highlights the role that educational institutions can play in spearheading positive change. The installation communicates a strong message about the university's values and its commitment to fostering environmentally conscious citizens who understand and appreciate the importance of renewable energy in shaping a better future.

Solar Energy in the University Campus

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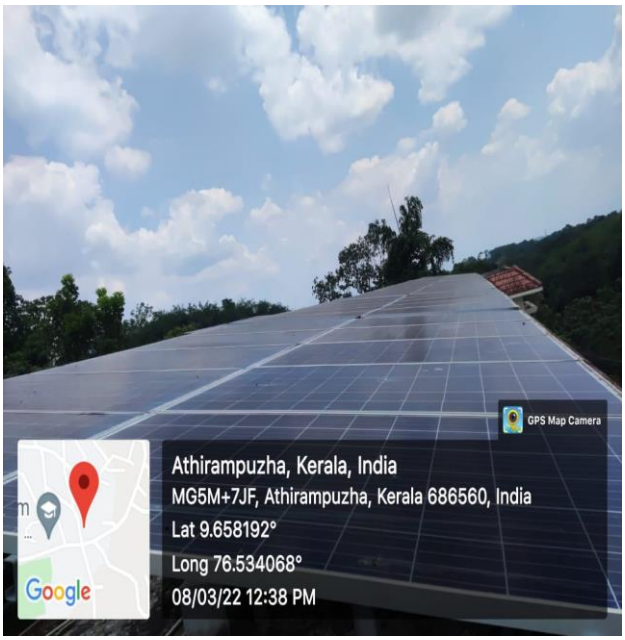
Solar Energy / Wheeling to Grid



Solar Energy Control Unit

400 KWP ON GRID SOLAR POWER PLANT

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Solar Energy in Mahatma Gandhi University

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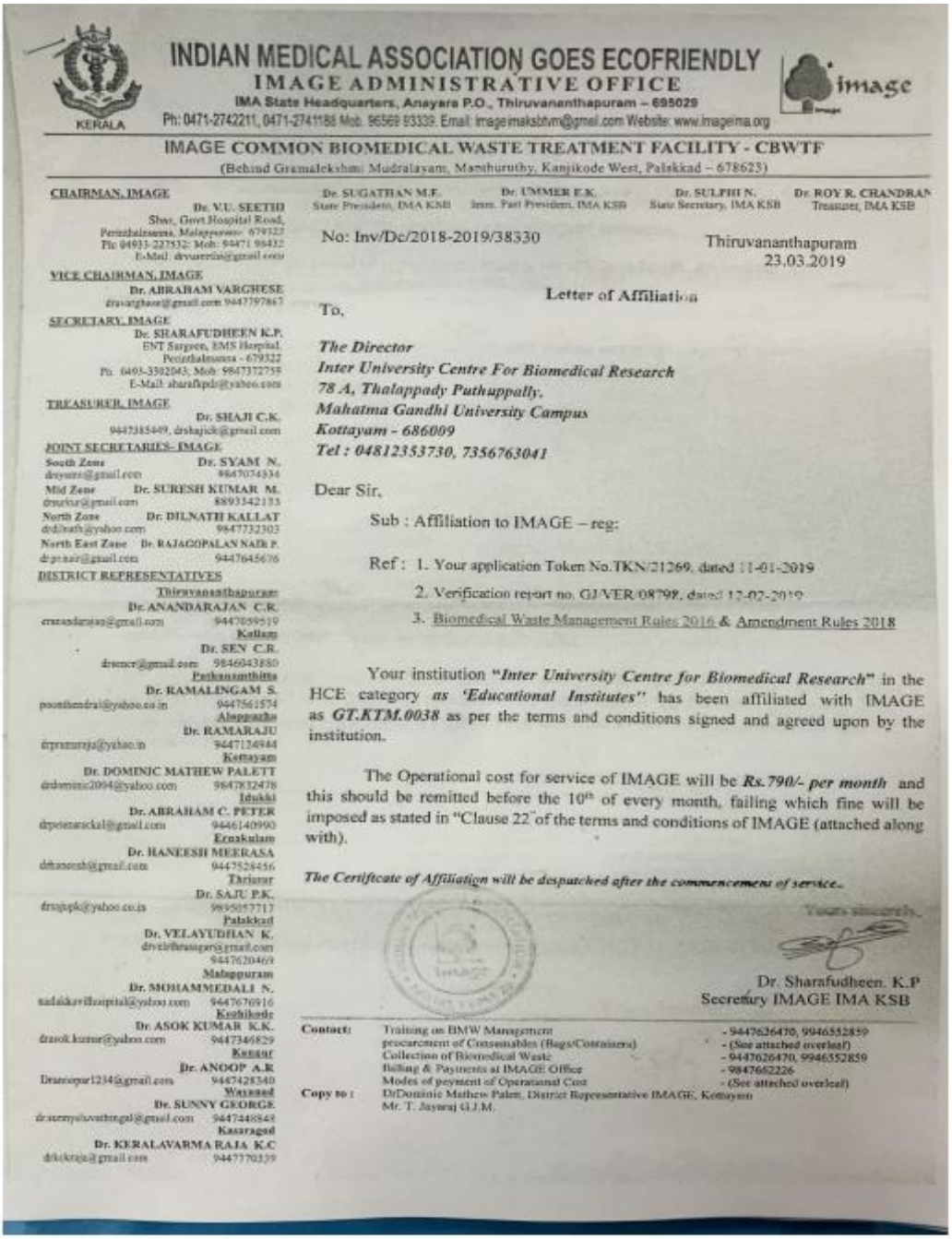
Waste Management (SDG6,SDG12, SDG15)



INDIAN MEDICAL ASSOCIATION GOES ECOFRIENDLY

IMAGE ADMINISTRATIVE OFFICE

IMA State Headquarters, Anayara P.O., Thiruvananthapuram – 695029

Ph: 0471-2742211, 0471-2741188 Mob: 96569 93339. Email: imageimakshm@gmail.com Website: www.imageima.org

KERALA

image

IMAGE COMMON BIOMEDICAL WASTE TREATMENT FACILITY - CBWTF

(Behind Gramalekshmi Mudralayam, Manthuruthy, Kanjikode West, Palakkad – 678623)

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No: Inv/Dc/2018-2019/38330

Thiruvananthapuram
23.03.2019

Letter of Affiliation

To,

The Director
Inter University Centre For Biomedical Research
78 A, Thalappady Puthuppally,
Mahatma Gandhi University Campus
Kottayam - 686009
Tel : 04812353730, 7356763041

Dear Sir,

Sub : Affiliation to IMAGE – reg:

Ref : 1. Your application Token No.TKN/21269, dated 11-01-2019
2. Verification report no. GJ/VER/08798, dated 17-02-2019
3. Biomedical Waste Management Rules 2016 & Amendment Rules 2018

Your institution **"*Inter University Centre for Biomedical Research*"** in the HCE category ***as 'Educational Institutes''*** has been affiliated with IMAGE as ***GT.KTM.0038*** as per the terms and conditions signed and agreed upon by the institution.

The Operational cost for service of IMAGE will be ***Rs.790/- per month*** and this should be remitted before the 10th of every month, failing which fine will be imposed as stated in "Clause 22" of the terms and conditions of IMAGE (attached along with).

The Certificate of Affiliation will be despatched after the commencement of service.

Yours sincerely,

Dr. Sharafudheen. K.P
Secretary IMAGE IMA KSB

Contact:	Training on BMW Management	- 9447626470, 9946552859
	procurement of Consumables (Bags/Containers)	- (See attached overleaf)
	Collection of Biomedical Waste	- 9447626470, 9946552859
	Billing & Payments at IMAGE Office	- 9847652226
	Modes of payment of Operational Cost	- (See attached overleaf)
Copy to :	Dr.Dominic Mathew Palett, District Representative IMAGE, Kottayam	
	Mr. T. Jayaraj G.J.M.	

Biomedical Waste MOU with IMAGE

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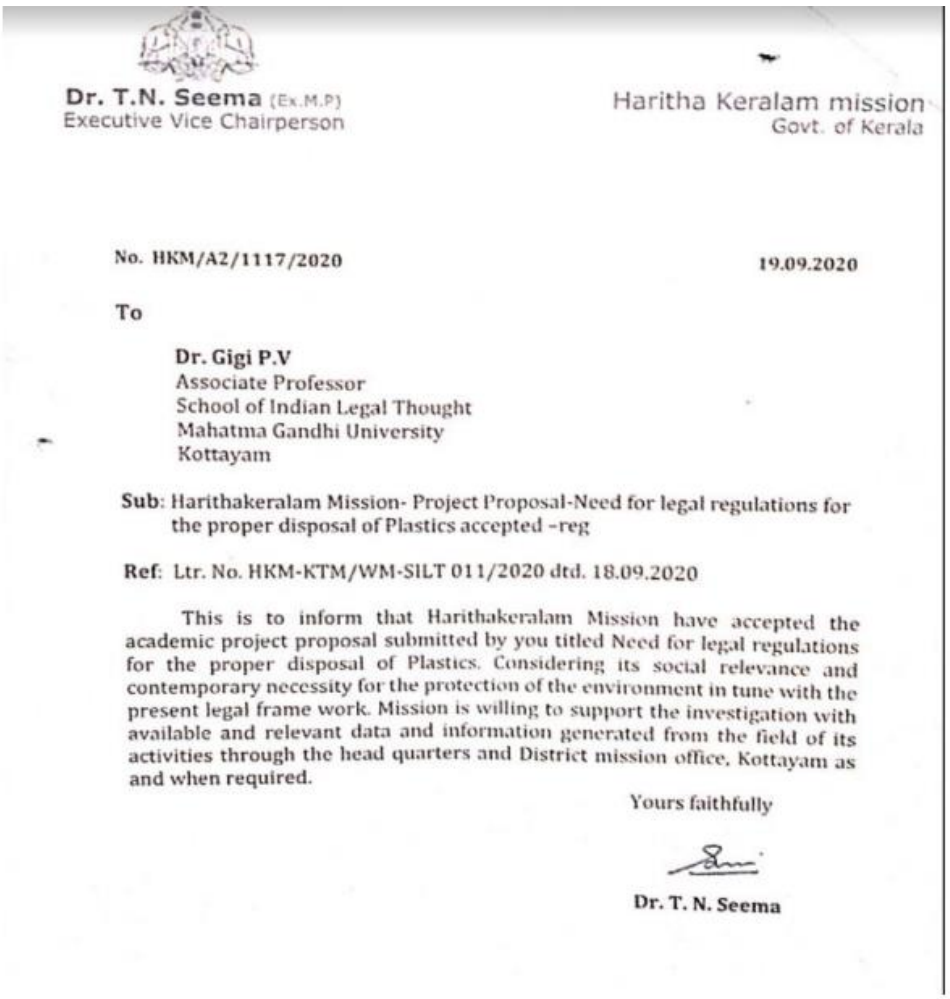
Waste Management (SDG6,SDG12, SDG15)



Dr. T.N. Seema (Ex.M.P)
Executive Vice Chairperson

Haritha Keralam mission
Govt. of Kerala

No. HKM/A2/1117/2020 19.09.2020

To

Dr. Gigi P.V
Associate Professor
School of Indian Legal Thought
Mahatma Gandhi University
Kottayam

Sub: Harithakeralam Mission- Project Proposal-Need for legal regulations for the proper disposal of Plastics accepted -reg

Ref: Ltr. No. HKM-KTM/WM-SILT 011/2020 dtd. 18.09.2020

This is to inform that Harithakeralam Mission have accepted the academic project proposal submitted by you titled Need for legal regulations for the proper disposal of Plastics. Considering its social relevance and contemporary necessity for the protection of the environment in tune with the present legal frame work. Mission is willing to support the investigation with available and relevant data and information generated from the field of its activities through the head quarters and District mission office, Kottayam as and when required.

Yours faithfully

Dr. T. N. Seema

Disposal of Plastic Waste Agreement with Harithakeralam Mission

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Waste Management (SDG6,SDG12, SDG15)

MAHATMA GANDHI UNIVERSITY

Abstract

Administration -Estate - Acceptance of quotations submitted for the purchase of Electrical - Electronics waste available in various offices of the University - Orders Issued.

.....

Administration B -III Section

No. 8870/AD B 3/2022/MGU Priyadarshini Hills, Dated: 26.08.2022

.....

Read: - 1.Quotation Notice /Ad B3/E-Waste/2022June /Admn. Dated 08.06.2022

ORDER

Quotations were invited as per the Paper read as (1) above, from the interested parties for obtaining the right to purchase the unused Electrical/Electronic equipment of the University. An EMD of ₹5,000/- (Rupees Five Thousand only) was fixed for the Quotation. Accordingly, 3 quotations were submitted. Certificates issued by the Pollution Control Board were submitted by the 3 firms/persons. But on scrutiny, it was found that the Certificates submitted by two firms/persons were invalid. Therefore only the quotation of AYSHA TRADERS (ANAS H), VELLAKINAR WARD, ALAPPUZHA, PIN 688001, who submitted a valid Certificate received from the Pollution Control Board - granting permission for handling of e-waste - was accepted. The Pro.Vice-Chancellor in charge of Vice-Chancellor has approved the proposal to sell the unusable Electrical/Electronic equipment to AYSHA TRADERS (ANAS H), VELLAKINAR WARD, ALAPPUZHA, PIN 688001 at their offered price of 47.34/- (Rupees four seven thirty paise only) per kg (excluding GST) for a maximum period of one year.

Concurrence of the Finance department was received.

Orders are issued accordingly.

Sd/-

Sajeev KN

Estate Officer (Admn)

For Registrar

Acceptance of quotations submitted for the purchase of Electrical - Electronics waste

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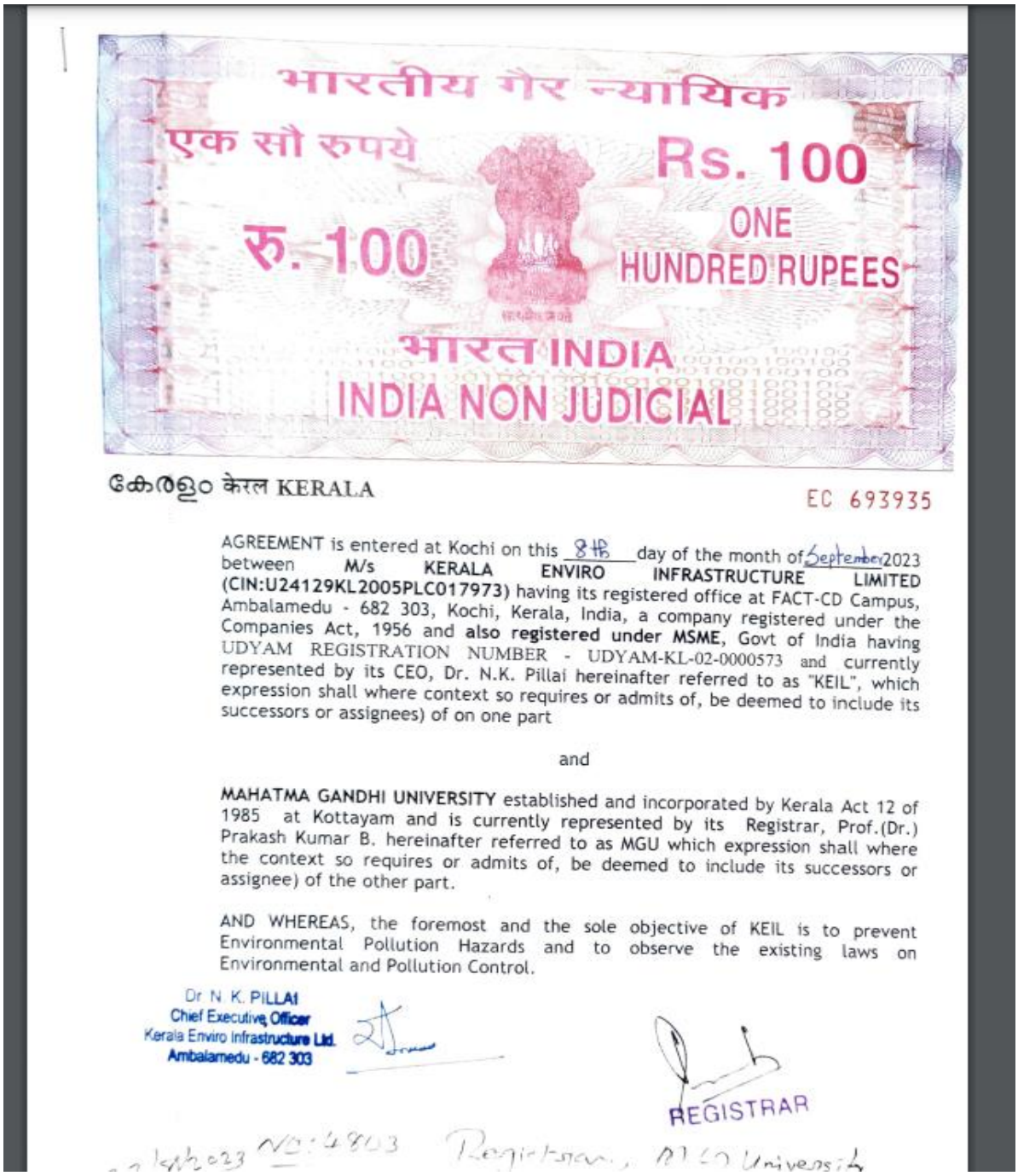
Waste Management (SDG6,SDG12, SDG15)



भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

रु. 100

ONE HUNDRED RUPEES

भारत INDIA

INDIA NON JUDICIAL

കേരളം केरल KERALA

EC 693935

AGREEMENT is entered at Kochi on this 8th day of the month of September 2023 between **M/s KERALA ENVIRO INFRASTRUCTURE LIMITED (CIN:U24129KL2005PLC017973)** having its registered office at FACT-CD Campus, Ambalamedu - 682 303, Kochi, Kerala, India, a company registered under the Companies Act, 1956 and **also registered under MSME**, Govt of India having UDYAM REGISTRATION NUMBER - UDYAM-KL-02-0000573 and currently represented by its CEO, Dr. N.K. Pillai hereinafter referred to as "KEIL", which expression shall where context so requires or admits of, be deemed to include its successors or assignees) of on one part

and

MAHATMA GANDHI UNIVERSITY established and incorporated by Kerala Act 12 of 1985 at Kottayam and is currently represented by its Registrar, Prof.(Dr.) Prakash Kumar B. hereinafter referred to as MGU which expression shall where the context so requires or admits of, be deemed to include its successors or assignee) of the other part.

AND WHEREAS, the foremost and the sole objective of KEIL is to prevent Environmental Pollution Hazards and to observe the existing laws on Environmental and Pollution Control.

Dr N. K. PILLAI
Chief Executive Officer
Kerala Enviro Infrastructure Ltd.
Ambalamedu - 682 303

REGISTRAR

MOU between Mahatma Gandhi University, Kottayam, Kerala and Kerala Enviro Infrastructure Ltd (KEIL) for the removal of Biomedical Waste

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Waste Management (SDG6,SDG12, SDG15)

KERALA ENVIRO INFRASTRUCTURE LTD (KEIL)

KEIL

INSIDE FACT (CD) CAMPUS, Ambalamedu P.O, PIN:682 303
Phone No:0484-2722141,241,341. CIN: U424129KL2005PLC017973

Email: rajesh.gopinathan@beil.co.in, keilbiomedicals@gmail.com

CERTIFICATE OF AFFILIATION

(Validity of this certificate is till 31st March 2023)

No KEIL/CBWTF/00937/2021-2022

This is to Certify that M/S HEALTH CENTRE MAHATMA GANDHI UNIVERSITY, Mahatma Gandhi University Campus, Priyadarsini Hills PO, Athirampuzha, Kottayam-686560 has been affiliated with Kerala Enviro Infrastructure Ltd (The Common Biomedical Waste Treatment Facility), Inside FACT (CD) Campus, Ambalamedu PO, Pin 682 303

The Validity of this certificate is only up to 31st March 2023

AMBALAMEDU

Dr.N.K.Pillai
Chief Executive Officer
Kerala Enviro Infrastructure Ltd

MOU between Mahatma Gandhi University, Kottayam, Kerala and Kerala Enviro Infrastructure Ltd (KEIL) for the removal of Biomedical Waste

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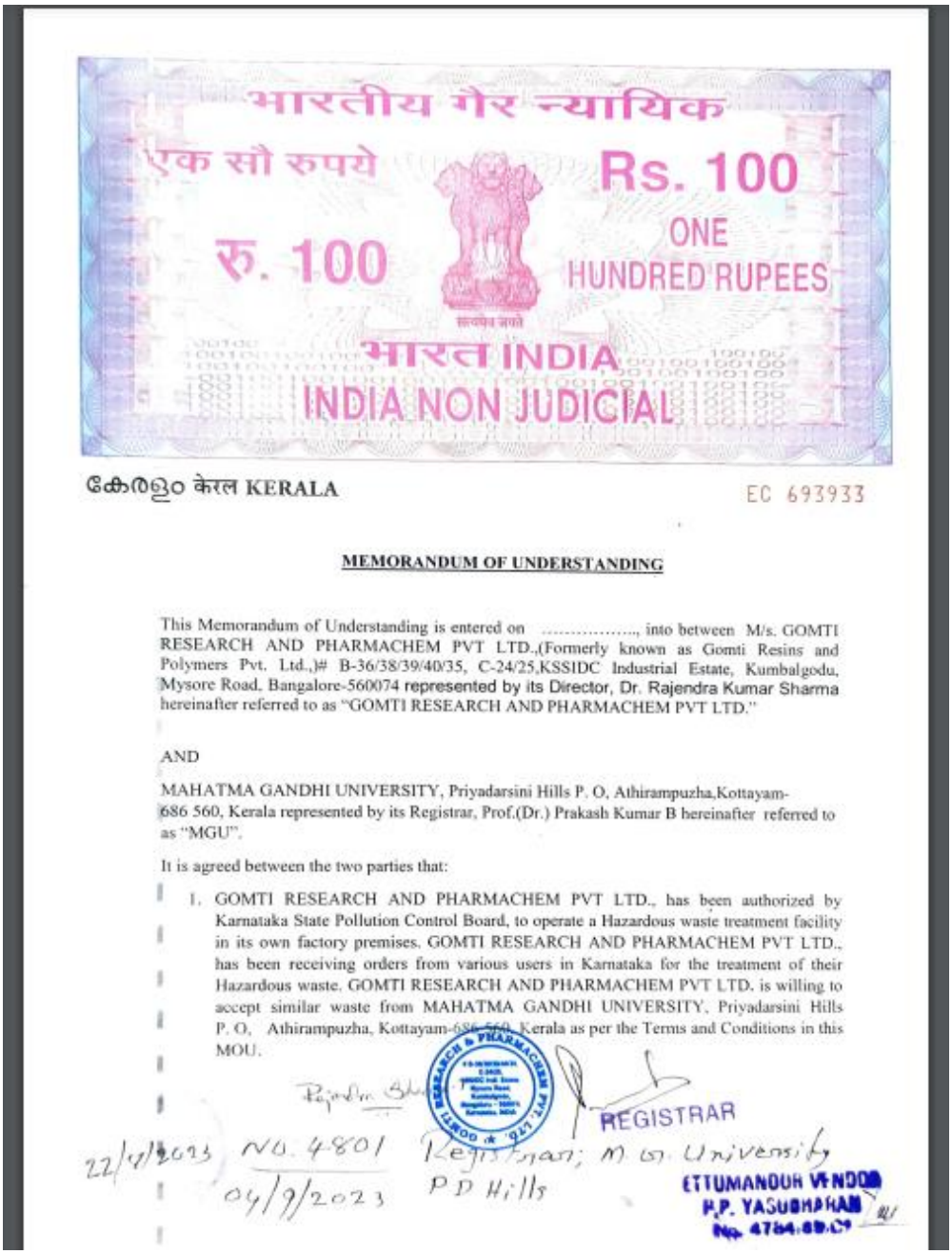
Waste Management (SDG6,SDG12, SDG15)



भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

रु. 100

ONE HUNDRED RUPEES

भारत INDIA

INDIA NON JUDICIAL

കേരളം केरल KERALA

EC 693933

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is entered on ....., into between M/s. GOMTI RESEARCH AND PHARMACHEM PVT LTD.,(Formerly known as Gomti Resins and Polymers Pvt. Ltd.,)# B-36/38/39/40/35, C-24/25,KSSIDC Industrial Estate, Kumbalgodu, Mysore Road, Bangalore-560074 represented by its Director, Dr. Rajendra Kumar Sharma hereinafter referred to as "GOMTI RESEARCH AND PHARMACHEM PVT LTD."

AND

MAHATMA GANDHI UNIVERSITY, Priyadarsini Hills P. O, Athirampuzha,Kottayam-686 560, Kerala represented by its Registrar, Prof.(Dr.) Prakash Kumar B hereinafter referred to as "MGU".

It is agreed between the two parties that:

1. GOMTI RESEARCH AND PHARMACHEM PVT LTD., has been authorized by Karnataka State Pollution Control Board, to operate a Hazardous waste treatment facility in its own factory premises. GOMTI RESEARCH AND PHARMACHEM PVT LTD., has been receiving orders from various users in Karnataka for the treatment of their Hazardous waste. GOMTI RESEARCH AND PHARMACHEM PVT LTD. is willing to accept similar waste from MAHATMA GANDHI UNIVERSITY, Priyadarsini Hills P. O, Athirampuzha, Kottayam-686 560, Kerala as per the Terms and Conditions in this MOU.

REGISTRAR

22/9/2023 NO. 4801 Registrar, M.G. University

04/9/2023 P D Hills

ETTUMANOOR VENDOR P.P. YASUBHAHAM No. 4764.69.C9

MoU between Mahatma Gandhi University, Kottayam, Kerala and Gomti Research and Pharmachem Pvt.Ltd for the removal of solid and chemical wastes

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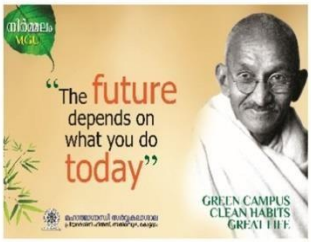
Waste Management (SDG6,SDG12, SDG15)

Sticker and Posters – Waste Mangement Programme (Nirmmalam MGU)



STEEL LUNCH BOX

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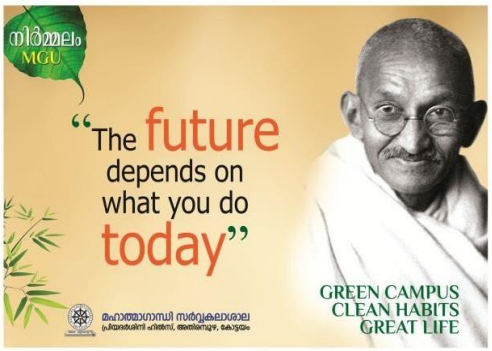
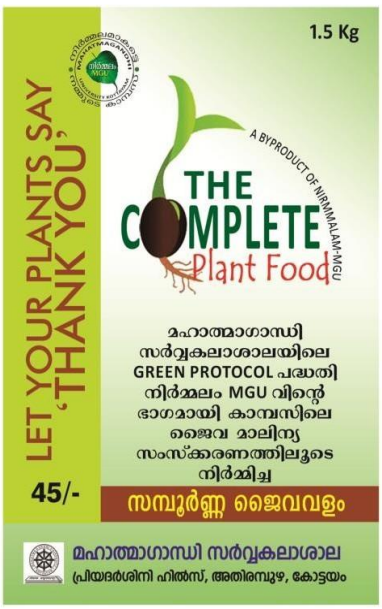
Waste Management (SDG6,SDG12, SDG15)





MGU- Nirmalam Project Initiatives

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Waste Management (SDG6,SDG12, SDG15)

MGU- Nirmalam Project Initiatives

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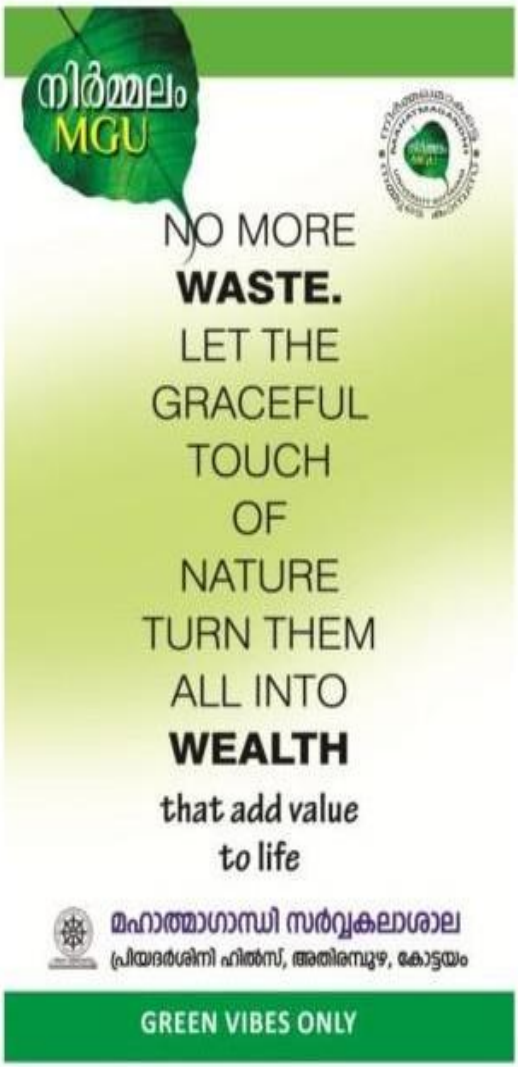
Waste Management (SDG6,SDG12, SDG15)



WASTE –NOT THE END

MGU- Nirmalam Project Initiatives

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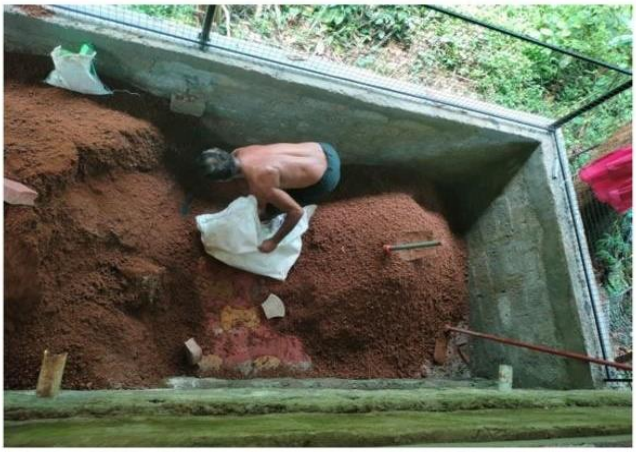
Degradable waste into a Product under MGU Nirmalam Project





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Degradable waste into a Product under MGU Nirmalam Project

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Degradable waste into a Product under MGU Nirmalam Project






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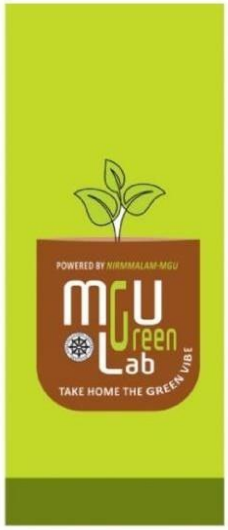
MGU Nirmalam Project Initiative Green Lab

The art of converting dirt into beauty is ever alive on the campus.NIRMMALAM-MGU a project dedicated to green vibes has it's roots in the *Green Protocol* campaign launched by the State Government in the year 2018.Simple and Great are the lessons of life this project propagates. Restrictions on the use of non-biodegradable objects wherever possible is it's core component.Re-usable items are promoted everywhere so as to reduce the amount of waste. Sending all the solid waste materials for recycling or upcycling and transforming all the biodegradable waste into value added products such as all-crop-friendly compostmarks the happy culmination of the process.Life on the MGU campus with its myriad faces finds immense potential for exploring the avenues this mission has opened up. The campus which spans over a landscape of around 103 acres with many ecologically sensitive spots found a set of boons in the guidelines the missionhas brought forward. The MGU version of the project undoubtedly, has started impacting all the spheres of life not only within it's boundaries – but even beyond that.The easy -on-the- eyes compost units that are coming up here are all set to support all the green initiatives on soil both in and outside the campus with high profile value added products like **plant food and ready to plant growbags and pots**. Powered by simple, natural and least expensive techniques- they hold the potential to support a green future with these products carrying features that enhance affordabilityand utility ... Transferring food waste collected to the compost units on a regular basis is the core segment of the process. The rest of the story is written by nature the way it alone can.

A by-project of **Nirmmalam -MGU ,MGU- GREEN LAB** supplies plant pots and grow bags made of solid stuff filled with potting mixture that perfectly align with a set of plants producing veggies and flowers touching the hearts of the lovers of family farming from among the University community and the society outside it's boundaries .



GREEN VIBES | GO HOME

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Reuse of Plastic Waste

Awareness posters related to waste management displayed at various places of the campus

Decorative structure using plastics-SBS

Glass bottles in gardening-SCS

Fancy chair made of glass bottles-SES

Decorations made of paper

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Mahatma Gandhi University become 'Grade A' Green Office on January 26th 2021

Mahatma Gandhi university has done remarkable changes in the environment friendly activities in the campus under the Green protocol activities of Haritha Kerala Mission. The University appointed Dr. Mahesh Mohan, Assistant Professor, School of Environmental Science as Nodal Officer for Green Protocol. Various awareness programmes were conducted for staff and students. As part of the green protocol activities, disposable plates and glass were banned and procured steel plates and glasses. The solid waste wascollected andsorted at the source itself. University has set-up two collection centres for collecting and storing plastic waste and other nondegradable waste. The Haritha Kerala mission audited all the green protocol activities and recognised Mahatma Gandhi University as Grade A Green Office.

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Mahatma Gandhi University become 'Grade A' Green Office on January 26th 2021

ഹരിത ഓഫീസ്

സർക്കാർ ഓഫീസുകളിലെ
ഗ്രീൻ പ്രോട്ടോക്കോൾ പ്രവർത്തനങ്ങൾ

സാക്ഷ്യപത്രം

ഹരിതകേരളം മിഷൻ – ശുചിത്വ മാലിന്യ സംസ്കരണ ഉപദൗത്യത്തിന്റെ ഭാഗമായി നടത്തി വരുന്ന ഗ്രീൻ പ്രോട്ടോക്കോൾ പ്രവർത്തനങ്ങളിലൂടെ സർക്കാർ ഓഫീസുകളെ മാലിന്യമുക്ത ഓഫീസുകളാക്കി മാറ്റുന്നതിനുള്ള ഹരിത ഓഫീസ് പ്രവർത്തനങ്ങൾ ..... വകുപ്പിന് കീഴിലെ മഹാത്മാ ഗാന്ധി യൂണിവേഴ്സിറ്റി..... എന്ന സ്ഥാപനം വിജയകരമായി പൂർത്തീകരിച്ചതിന്റെ അടിസ്ഥാനത്തിൽ പ്രസ്തുത ഓഫീസിനെ .....A..... ഗ്രേഡുള്ള ഹരിത ഓഫീസായി പ്രഖ്യാപിച്ചതായി സാക്ഷ്യപ്പെടുത്തുന്നു.

T. BENNY
SECRETARY
ATHIRAMPUZHA GRAMA PANCHAYAT
KOTTAYAM DISTRICT

സെക്രട്ടറി
ഗ്രാമപഞ്ചായത്ത്

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Vanamithra Award for Outstanding Contributions Towards Nature Conservation

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Air Quality Monitoring Facility (SDG7)

The University has taken a proactive step towards monitoring and ensuring the quality of air within its premises and beyond by procuring a Mobile Ambient Air Quality Monitoring System. This sophisticated system has been strategically acquired to provide comprehensive insights into the air quality levels within the University campus as well as in other designated locations.

The Mobile Ambient Air Quality Monitoring System is equipped with advanced sensors and technology designed to measure and analyze various key air pollutants that can impact human health and the environment.

https://ses.mgu.ac.in/gallery/maaqms/

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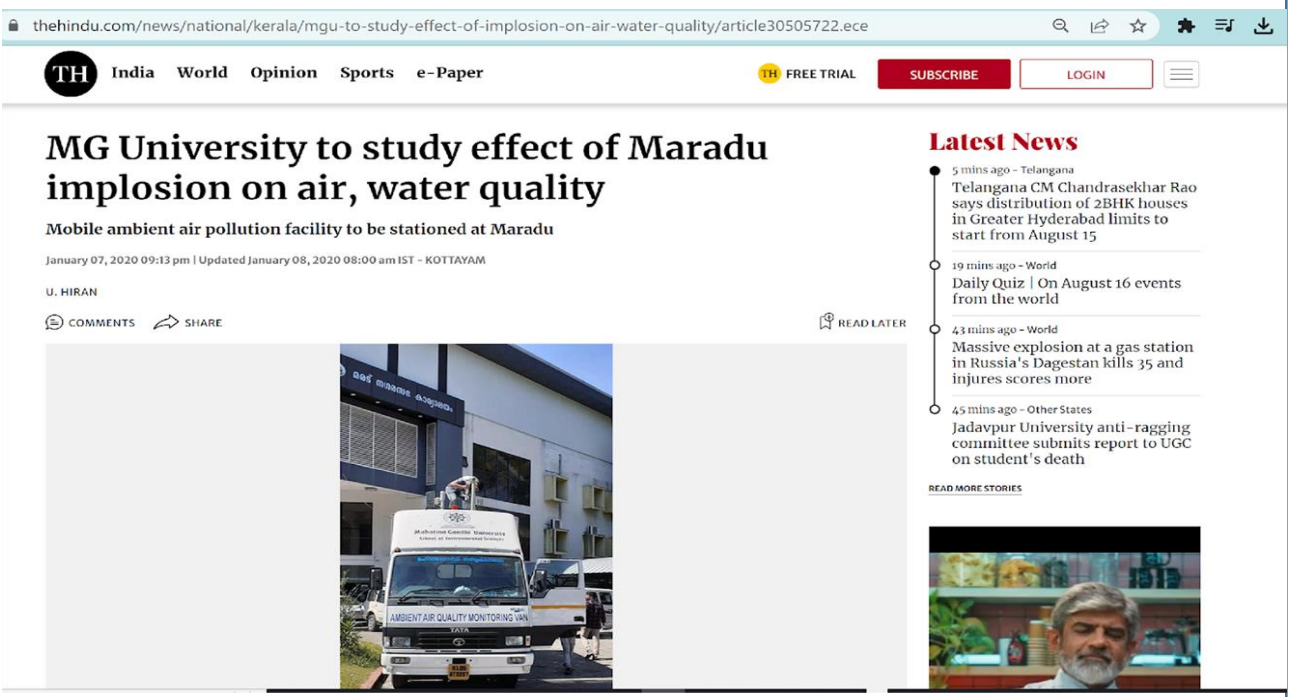
MG University to study effect of Maradu implosion on air, water quality

https://www.thehindu.com/news/national/kerala/mgu-to-study-effect-of-implosion-on-air-water-quality/article30505722.ece



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Procurement of Battery-operated Vehicle (SDG7)

Mahatma Gandhi University (MGU) has taken a significant stride towards environmental conservation by acquiring an eco-friendly battery-operated vehicle. This thoughtful initiative reflects the university's commitment to reducing its carbon footprint and minimizing the impact on the environment.

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https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR7SE175NO3848.pdf

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Inter University Centre for Organic Farming and Sustainable Agriculture (IUCOFSA)

https://iucofsa.mgu.ac.in/projects/

Inter University Centre for Organic Farming and Sustainable Agriculture (IUCOFSA), envisions to promote interdisciplinary research in organic farming and conservation of traditional knowledge base, through effective networking and innovative extension activities among the public to ensure a sustainable ecosystem and healthy world order.

“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.

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“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-Farrming 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

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

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“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, Ernakulam, on Wednesday. This will be followed by a 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

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MOOC Course on Organic Farming

https://onlinecourses.mgu.ac.in/CourseDetails.php

This online course is to encourage the youngsters to understand and conceive an organic way of life with a strong message “back to nature”. This will ensure to achieve a global perception of sustainable agriculture and will be in consonance with the objectives of state government’s noble mission “Haritha Keralam”.

മഹാത്മാഗാന്ധി സർവ്വകലാശാല, കേരളം
Mahatma Gandhi University, Kerala
महात्मा गांधी विश्वविद्यालय, केरल
Re-accredited by NAAC with A Grade

Login/Register

Course and page search

View all courses

Jaiva Krishi: Arivum Padanavum

Overview | Programme details | Fees | Tutor | Teaching | How To Apply

Overview

This online course is to encourage the youngsters to understand and conceive an organic way of life with a strong message “back to nature”. This will ensure to achieve a global perception of sustainable agriculture and will be in consonance with the objectives of state government’s noble mission “Haritha Keralam”.

Programme details

Term Starts: 20th July 2020

- It’s a fourteen-week program.
- This includes an examination consisting of 100 objective type questions of 2 hours duration for students.
- For general public, the course ends with an assignment of not more than 500 words.
- Participants need to upload two assignments for evaluation.

Fees

- The course is fee for students is 100.
- The general public will be charged Rs 200/- .

Course Director

Dr Girish Kumar R

- Course coordinator
- Mahatma Gandhi University International and political science
- Mahatma Gandhi University and Joint Director
- IUCOFSA.

Tutor

Dr. Jish M.S

- Director, National Institute of plat science technology
- Professor, School of Bio Science
- Mahatma Gandhi University

Smitha Vijayan

- Assistant coordinator (for students)
- Research Associate (formerly research scholar, School of Bioscience), BIIC
- Mahatma Gandhi University

Course details

Code	MOOC001
Fees	Course fee of Rs 100/- will be charged for students and Rs 200/- for general public.
Dates	July-20-2020 to October-26-2020
Sessions	14
Day of week	Monday
Time	24/7

Location

Priyadarsini Hills P.O., Kottayam – 686 560

Contact

Dr Girish Kumar R
Director (Hon.) BIIC,
Joint director IUCOFSA Mahatma Gandhi University
E mail : girishramkumar@yahoo.com
Ph no: 9447090000.

Application status

In progress - still open to new applications

Contact us

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MOOC Course on Organic Farming

MAHATMA GANDHI UNIVERSITY

(Abstract)

The proceedings related to the implementation of MOOC (Massive Open Online Courses) in the field of Organic Farming in Mahatma Gandhi University – Approved – Orders issued.

.....

Academic A-IX Section

No. 4352/Ac A-IX/2020/MGU Priyadarshini Hills, Date: 29.09.2020

.....

Read: 1. Letter of the Director, IUCOFSA, Dated 18.09.2020

2. Orders of the Vice Chancellor, Dated 22.09.2020

ORDER

The Academic Council meeting held on 07.09.2020 at Mahatma Gandhi University resolved to implement MOOC (Massive Open Online Courses) Courses for the Students of Graduate Programs from 2020 admission onwards. As per the Paper read as (1) above, the Director, IUCOFSA has submitted the following recommendations regarding the implementation of the aforesaid program.

1. A Monitoring Committee for the MOOC Course is to be formed at University level, for the smooth conduct of online course.
2. In the meeting of the Organizing Committee of Jaivam conducted on 26/10/2017, it was decided to entrust the Hon. Director, IUCOFSA to sign MOU with SIET for the development of MOOC course. Hon. Director, IUCOFSA, Dr.Santhosh Thampi may be entrusted to open a separate bank A/c with SBI, MGU campus branch for the purpose of conducting MOOC course, for and on behalf of the University.
3. A communication has to be sent to the Principals of affiliated colleges of Mahatma Gandhi University about the introduction of MOOC course in the Curriculum of all UG programmes in affiliated colleges.

As per the Paper read as (2) above dated 22.09.2020, the Vice Chancellor has approved

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MOOC Course on Organic Farming

MAHATMA GANDHI UNIVERSITY

(Abstract)

MGU-Nomination of members to the Monitoring Committee of MOOC on Organic Farming Programme - Committee Expanded - Orders issued.

.....

ACADEMIC A9 SECTION

No.5830/Ac A9/2020/MGU Priyadarshini Hills, Date: 14.12.2020

.....

Read :

1. U.O.No.4619/Ac A9/2020/MGU, Dated - 09.10.2020
2. Orders of the Vice Chancellor in the Note No.VC 702/01/112/2020 to the Registrar, Dated 20.10.2020

ORDER

A 09 member Monitoring Committee was constituted for MOOC on Organic Farming Program in the University, as per the paper read as (1) above,

The Vice-Chancellor has nominated the two members mentioned below to the aforesaid Monitoring Committee as per the paper read as (2) above.

1) Adv. Shanavas. P, Syndicate Member

2) Prof. Dr. M.S Jisha, School of Biosciences

The Committee mentioned in the Paper read as (1) above is expanded as such.

Orders are issued accordingly.

Sd/-

Johnny K Abraham

Assistant Registrar 3 (Acad)

For Registrar

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MOOC Course on Organic Farming

INTER UNIVERSITY CENTRE FOR
ORGANIC FARMING &
SUSTAINABLE AGRICULTURE

IUCOFSA

No.IUCOFSA/MOOC-OF/2021/C/7

Date:01.02.2021

Sir/Madam,

It is decided to conduct online training programme for the coordinators of Massive Open Online Course (MOOC) on organic farming on 04.02.2021, Thursday from 10 AM to 1.00 PM.

I request you to participate in the training programme.

List of coordinators included in the first batch of training is available on University Website.

Thanking You

Yours Faithfully

Prof.(Dr.) Santhosh P. Thampi
Coordinator, MOOC Course on Organic Farming &
Hon. Director, Inter University Centre for Organic Farming and Sustainable Agriculture (IUCOFSA),
Mahatma Gandhi University, Kottayam

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MOOC Course on Organic Farming

MOOC Course on Organic Farming

List of Coordinators included in the First Batch of Training

Date:04.02.2021, Thursday

Time: 10.00 am to 1.00 pm

Sl.No	College	Coordinator
1	Asian School Of Architecture And Design Innovations, Vyttila P.O	Bindi Rajagopal
2	Al- Ameen College, Edathala	Dr. Shibini Mol Pa
3	Al- Azhar College Of Arts And Science, Thodupuzha	Nithin S
4	Alphonsa College, Pala	Dr. Sr. Jilly James
5	Aman College Of Science And Technology,Payippadu,Changanacherry,Kottayam	Sreejith K N
6	Aquinas College, Edacochin	Athira Prakash
7	Arafa College Of Arts & Science, Pezhakkappilly, Muvattupuzha	Harikrishnan P Rajan
8	Ave Stella Maris College, Ramamangalam, Ernakulam	Anu Alias
9	Ayyappa Institute Of Management Studies,Peerumade,Idukki	Reshma Ravindran
10	B.C.M. College, Kottayam	Fr. Byju Mathew
11	Baker College For Women,Kottayam	Varsha Joseph
12	Baselios Poulose Second College, Piramadom	Mr.Binil Shaju
13	Baselius College, Kottayam	Dr. Nibu A George
14	Bharata Mata College Of Commerce &Arts ,Chunangamvely,Aluva	Dr Sunitha M S
15	Bharata Matha College, Thrikkakara	Mr. Anton Joseph
16	Bhavan's College Of Arts & Commerce, Kakkanad, Ernakulam	Ms. Neethu Gopalakrishnan
17	Bishop Abraham Memorial College, Thuruthicaud	Dr. Robi A.J.
18	Bishop Kurialacherry College For Women, Amalagiri	Sr. Beena Joseph
19	Bishop Speechly College For Advanced Studies, Pallom	Binoy Vincent
20	Bishop Vayalil Memorial Holy Cross College, Cherpunkal	Mr. Loju K Joy
21	Carmelgiri College, Adimali	Ms. Geo M Joy
22	Catholicate College, Pathanamathitta	Dr.Binoy T Thomas
23	Chinmaya College Of Arts, Commerce & Science Tripunithura	Ms.Jayanthi.V
24	Christ College,Puliyanmala,Kattappana	Mr Thomson Mathew
25	Cochin Arts And Science College,Manakkakadavu	Anju K N
26	Cochin College, Cochin	Dr. Mini P. Mathai
27	College Of Applied Sciences, Kaduthuruthy, Njeezhoor P.O	Betty Mathew
28	College Of Applied Sciences, Kanjirappally	Ms. Mariya Jose
29	College Of Applied Sciences, Konni	Ms.Aswathy R Nair
30	College Of Applied Sciences, Kuttikkanam,Peermade	Robiya G

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MOOC Course on Organic Farming

31	College Of Applied Sciences, Mallappally West	Mr. Pradeep Mathew
32	College Of Applied Sciences, Nedumkandam	Manuprasad K. S.
33	College Of Applied Sciences, Puthenvelikkara P.O, North Paravur	Ms. Vidhula Thomas
34	College Of Applied Sciences, Puthuppally	Mr. Binu Sugathan
35	College Of Applied Sciences, Thodupuzha	Smt.Honey Jose
36	College Of Arts And Commerce,Pathanamthitta	Ms. Lakshmi S. Kumar
37	College Of Indigenous Food Technology,Konni	Dr. Swetha S
38	D B Pampa College, Parumala	Ms.Athira G
39	De Paul Institute Of Science & Technology, Angamaly	Ms. Anju V Nair
40	Devamatha College, Kuravilangad	Ms.Arunima Sebastian
41	Devaswam Board College, Keezhoor	Davis Johny
42	Devaswom Board College, Thalayolaparambu	Deepa Kumari
43	Ettumanoorappan College, Choorakkulangara	Ms Sunila Augustine
44	Fr. Porukara Cmi College Of Advanced Studies, Champakulam, Alappuzha	Mrs. Asha Annie Thomas
45	Girideepam Institute Of Advanced Learning, Vadavathoor	Mr. Jayaprakash T.S
46	Girijyothi College, Vazhthope, Idukki Colony.P.O, Idukki	Mr. Sivaprasad N.
47	Government Arts & Science College, Elamkunnappuzha,Vypin, Ernakulam	Ms. Reshmi P R
48	Government Arts College, Tripunithura	Dr.Mufliha
49	Government Sanskrit College, Tripunithura	Dr Ranjini M
50	Guru Narayana College Of Arts And Science,Thodupuzha	Ms.Anisha T K
51	H D P Y College Of Education, North Parur	Jayasree M K
52	Holy Cross College Of Management & Technology, Puttady	Samkutty Samuel
53	Kmea College Of Arts & Science,Kuzhivelippady,Aluva	Dani Varkey
54	Kristu Jyoti College Of Management & Technology, Kurisummoodu P.O, Changanacherry	Deepu C Nair
55	Kuriakose Elias College, Mannanam	Ms. Neethu Jose
56	Kuriakose Gregorios College, Pampady	Dr. Wilson C. Thomas
57	Malik Deenar Arts And Science College,Adivadu, Pallarimangalam P.O	Niyas T H
58	Mangalam College Of Architecture & Planning, Parampuzha	Ms.Neethi Lizbeth Abraham
59	Mannam Memorial Nss College, Konni	Mrs. Smitha G Kurup
60	Mar Augusthinose College, Ramapuram Bazar P.O	Ms. Rathi C R
61	Mar Elias College, Kottappady,Kothamangalam	Mr. Lijo T George
62	Mar Gregorios Abdul Jaleel Arts & Science College, North Paravoor	Mrs. Basili Mathew
63	Mar Ivanios College For Advanced Studies, Chengaroor, Mallappally, Pathanamthitta	Prof. Eby K Abraham
64	Marygiri College Of Arts & Science, Koothattukulam, Ernakulam	Jaino George
65	Mc Varghese College Of Arts & Science, Ettumanoor	Ms. Sreemol T. G.

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MOOC Course on Organic Farming

66	Mes College, Erumely	Sumayya P.A
67	Mes Golden Jubilee College, Kottayam	Deepamol G
68	Mes M.K Mackar Pillay College For Advanced Studies, Edathala	Mr.Shijo Pathadan
69	Mes T.O Abdulla Memorial College, Kunnukara, Aluva	Vinaya Kumar
70	Morning Star Home Science College, Angamali	Dr. Rintu Mary Sebastian
71	Mount Carmel College Of Teacher Education For Women,Kottayam	Dr. Liz Kuriakose
72	Nirmala Arts & Science College, Mulamthuruthy	Ancy K Alias
73	Nss College, Rajakumari	Dr. Ajitha R.S.
74	Nss Hindu College, Changanacherry	Smt.Preethi K Pillai
75	Nss Training College Changanacherry	Dr. Revati N.
76	P G Radhakrishnan Memorial Sree Narayana College, Channanikadu	Ms. Swapna. S. Nair
77	Pgm College, Devagiri P.O,Kangazha	Ms. Anitha A
78	Prds College Of Arts & Science ,Amara P.O, Trickodithanam,Changanacherry	Dr.Jayanthi L.S.
79	Presentation College Of Applied Science, Puthenvelikara, Ernakulam	Mr.Sooraj T G
80	R Sankar Smaraka Sree Narayana College,Nedumkunnam,Changanacherry	Prathibha Prakash
81	Rajagiri College Of Management & Applied Sciences, Kakkanadu	Dr. Chandralal V S
82	Rajagiri College Of Social Sciences Kalamasserry	Dr. Giji George
83	S N M Training College Moothakunnam	Sudha K
84	S.N.D.P. Yogam Arts & Science College,Kizhakkupuram,Kumbazha,Pathanamthitta	Ms.Sanila C
85	S.S.M. College, Rajakkad, Idukki	Mohanan K V
86	Sabari Durga College Of Arts & Science,Kulathoor	Mr. Muhammed Nisaj K E
87	Sahodaran Aiyappan Memorial Training College Poothotta	Ms. Jyothi K.R
88	Sahyajyothi Arts & Science College,Kumily	Ms.Thasneema M Kabeer
89	Saintgits College Of Applied Sciences, Pathamuttom P.O	Ms. Jinta Thomas
90	Sanjo College Of Management And Advanced Studies, Mullakkanam,Rajakkad,Idukki	Shijo Thankachan
91	Seth Ram Bahadur Singh Gujarati College, Kochi	Aanchal Arun
92	Shermount College Of Arts & Commerce,Kanakapalam,Erumeli South	Dr Anila G Nair
93	Siena College Of Professional Studies, Edacochin	Mr.Renjith.K.P
94	Sree Mahadeva College,Aiyerkulangara,Vaikom	Bichu S Nair
95	Sree Narayana Arts & Science College, Kedamangalam	Mrs. Athira K.S
96	Sree Narayana Arts & Science College, Kumarakom	Arun K Saseendran
97	Sree Narayana Arts And Science College,Chittar,Konni	Pooja P
98	Sree Narayana Guru College Of Advanced Studies,Mezhuveli,Kozhenchery	Prof. P.B Radhakrishnan
99	Sree Narayana Guru College Of Advanced Studies,Pampanar,Idukki	Ms. Anjely Sabu
100	Sree Sabareesha College , Murikkumvayal,	Ms. Vani Maria Jose

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	Mundakkayam	
101	Sree Sankara College, Kalady	Dr. Minimol K. C.
102	Sree Vidyadiraja Nss College, Vazhoor	Ms. Parvathi Thankachi S
103	Ssv College, Valayanchirangara P.O, Perumbavoor	Sumaja Sasidharan
104	St Mary's College For Women, Paliakara, Thiruvalla	Prof. Sindhu P.
105	St Mary's College Of Commerce And Management Studies, Thuruthiply	Mrs.Ashamol M K
106	St Thomas College Of Teacher Education Pala	Dr. Sunu Austin
107	St. George's College,Vazhakkulam,Muvattupuzha	Anithakumari K R
108	St. Joseph's College, Moolamattom	Sunitha Mathew
109	St. Kuriakose College Of Management And Science, Kurruppampady	Gittu Joy
110	St. Thomas College, Palai	Dr. Sajeev Martin George
111	St. Thomas College, Ranni	Dr.Roni Jain Raju
112	St. Thomas College, Thavalappara, Konni	Prof. Chythra S Nair
113	St. Xavier's College, Kothavara, Vaikom	Dr. Subi Joseph
114	St.Anns College,Anns Nagar,Angamaly P.O.,Ernakulam	Asst. Prof. John K Jose
115	St.Joseph College Of Communication, Changanacherry.	Mr Alwin Johnson
116	St.Peter's College, Kolencherry	Dr. K. Sudha
117	St.Thomas College Of Advanced Studies,Edamury,Chethakkal,Ranni	Mr.Santhosh P Jose
118	Swamy Saswathikananda College, Poothotta P.O, Ernakulam	Mr. Johney John
119	Titus Ii Teachers College Thiruvalla	Ms. Anu J. Vengal
120	Vns College Of Arts & Science, Konni	Mr. Praveen Kumar P

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MOOC Course on Organic Farming

MOOC on Organic Farming-Coordinators Training-Second Batch

Date :15.03.2021 (Monday)

Time: 10.30 AM to 01.30 PM

Sl No	Name	Co-ordinator	Designation	Department
1	ASIAN SCHOOL OF ARCHITECTURE AND DESIGN INNOVATIONS, VYTTILA P.O	BINDI RAJAGOPAL	PROFESSOR	B.ARCH
2	COLLEGE OF APPLIED SCIENCES, MALLAPPALLY WEST	MR. PRADEEP MATHEW	ASSISTANT PROFESSOR IN ELECTRONICS	ELECTRONICS
3	MES COLLEGE, ERUMELY	SUMAYYA P.A	LECTURER	ELECTRONICS
4	PRESENTATION COLLEGE OF APPLIED SCIENCE, PUTHENVELIKARA, ERNAKULAM	MR.SOORAJ T G	COORDINATOR	ELECTRONICS
5	SREE SABAREESHA COLLEGE , MURIKKUMVAYAL, MUNDAKKAYAM	MS. VANI MARIA JOSE	GUEST LECTURER	ENGLISH
6	TITUS II TEACHERS COLLEGE THIRUVALLA	MS. ANU J. VENGAL	ASSISTANT PROFESSOR	B. ED.
7	ADI SANKARA TRAINING COLLEGE KALADY	JYOTHI GOPAL	ASSISTANT PROFESSOR	NATURAL SCIENCE
8	ASSUMPTION COLLEGE CHANGANACHERRY	MS.WINCY ABRAHAM	ASSISTANT PROF.	COMPUTER SCIENCE
9	AUXILIUM COLLEGE OF EDUCATION, ANGAMALY	MS.ANJU M M	ASST.PROFESSOR	SOCIAL SCIENCE
10	AVILA COLLEGE OF EDUCATION EDAKOCHI	DR ELIZABETH THOMAS	ASST PROFESSOR	MATHAMATICS
11	BASELIOS POULOSE II CATHOLICOSE COLLEGE, PIRAVAM	DR. SANTHOSH P KURUVILLA	ASSOC. PROF.	PHYSICS
12	CMS COLLEGE KOTTAYAM	MR. VIJO THOMAS KURIEN	ASSISTANT PROFESSOR	ZOOLOGY
13	COLLEGE OF APPLIED SCIENCE, AYROOR	MS. SUKANYA DEVI S.	ASST.PROF.	COMMERCE
14	COLLEGE OF TEACHER EDUCATION,ELANTHOOR	SANTHI MS	ASST.PROFESSOR	B ED-NATURAL SCIENCE
15	COLLEGE OF TEACHER EDUCATION,NEDUMKANDOM	JIJI CHELLAPPAN	LECTURER	NATURAL SCEINCE
16	GOVERNMENT COLLEGE, NATTAKOM	MR. SIJO MATHEW	ASSISTANT PROFESSOR	BOTANY
17	H M TRAINING COLLEGE RANDARKARA MUVATTUPUZHA	MR. SURAJ.P.S	ASST. PROFESSOR	B.ED
18	HOLY CRESCENT COLLEGE OF ARCHITECTURE, SOUTH VAZHAKKULAM, ALUVA	AMAL K PLAKKAT	ASSISTANT PROFESSOR	B.ARCH
19	ILAHIA COLLEGE OF ARTS AND SCIENCE, PEZHAKAPPILLY P.O, MUVATTUPUZHA	RAHANA ISMAIL	ASST.PROFESSOR	MALAYALAM
20	JAI BHARAT ARTS AND SCIENCE COLLEGE, VENGOLA P.O, PERUMBAVOOR	MR.SHIBU K R	ASST PROFESSOR	COMMERCE
21	JAWAHARLAL NEHRU INSTITUTE OF ARTS & SCIENCE, BALAGRAM P.O., IDUKKI	NITHIN THOMAS	ASST PROFESSOR	ENGLISH
22	JOHN PAUL MEMORIAL B.ED COLLEGE LABBAKADA KATTAPPANA	MS. ANNIE SALIM VARGHESE	ASST. PROFESSOR	B.ED. DEGREE COURSE
23	JPM ARTS & SCIENCE COLLEGE, KANCHIYAR P.O, KATTAPPANA	ABIN K MARKOSE	ASSISTANT PROFESSOR	COMPUTER SCIENCE
24	KMEA COLLEGE OF ARCHITECTURE, KUZHIVELIPADY, EDATHALA	MS. SINI P. KURIAKOSE	ASST PROFESSOR	ARCHITECTURE
25	KMM COLLEGE OF ARTS & SCIENCE, THRIKKAKARA	SUHAINA P S	ASST PROFESSOR	COMMERCE
26	LABOUR INDIA COLLEGE,MARANGATTUPILLY,MEENACHIL	NEETHU MURALI	HOD/ASST. PROFESSOR	B.SC PSYCHOLOGY
27	LABOUR INDIA TEACHERS TRAINING COLLEGE, MARANGATTUPALLY	MS. LEENA GEORGE P	ASST. PROF.NATURAL SCIENCE	B.ED.
28	M E S COLLEGE, MUNDAMVELI, KOCHI	MR. JOSEPH A J	ASST.PROFESSOR	ENGLISH

29	M E S TRAINING COLLEGE, EDATHALA	MS. SOUMYA A S	ASST. PROF. IN EDUCATION	B.ED
30	MAHARAJA'S COLLEGE ERNAKULAM	DR. ZEENA P. HAMZA	ASST. PROFESSOR	CHEMISTRY
31	MAR ATHANASIUS COLLEGE KOTHAMANGALAM	DR. ANNU ANNA VARGHESE	ASSISTANT PROFESSOR	CHEMISSTRY
32	MAR BASELIOSE COLLEGE, ADIMALY	LIGI T J	ASST PROFESSOR	COMPUTER SCIENCE
33	MAR SEVERIOS COLLEGE OF TEACHER EDUCATION, MALLAPPALLY	MS.SUSAN GEORGE	ASST.PROFESSOR	B ED
34	MAR SLEEVA COLLEGE OF ARTS AND SCIENCE, MURICKASSERY	MR.SHINTO CHACKO	ASSISTANT PROFESSOR	DEPT.OF GEOLOGY
35	MARTHOMA COLLEGE FOR WOMEN, PERUMBAVOOR	DR.BIJU JACOB THOMAS	ASSO.PROFESSOR	ZOOLOGY
36	MARTHOMA COLLEGE, KUTTAPUZHA P.O, TIRUVALLA	DR. ANTU ANNAM THOMAS	ASSISTANT PROFESSOR	COMPUTER APPLICATIONS
37	MES COLLEGE, ERATTUPETTA	REGI MANOJ	NSS PROGRAMME OFFICER	COMPUTER SCIENCE
38	MES COLLEGE, MARAMPALLY	MR. AHAMED JIMSHAD K	ASSISTANT PROFESSOR	BBA
39	MES COLLEGE, NEDUMKANDAM, CHEMBALAM P.O	DR. JIJY E	ASST. PROF	CHEMISTRY
40	MOUNT CARMEL COLLEGE, KARUKADAM,KOTHAMANGALUM	MS. RITTY SUSAN VARGHESE	ASST. PROFESSOR	MATHEMATICS
41	MOUNT ROYAL COLLEGE, SURYANELLI, IDUKKI	MRS.RONY DINOY	COURSE COORDINATOR	ACADEMIC
42	MUSALIAR COLLEGE OF ARTS & SCIENCE, CHEENKATHADOM, PATHANAMTHITTA	MR. THARUN T.	ASSISTANT PROFESSOR	DEPT. OF COMPUTER APPLICATION
43	NEWMAN COLLEGE , THODUPUZHA	DR. JITHIN JOY	ASSISTANT PROFESSOR	CHEMISTRY
44	NIRMALA COLLEGE, MUVATTUPUZHA	DR. ALBISH K PAUL	ASSISTANT PROFESSOR	CHEMISTRY
45	PATRIARCH IGNATIUS ZAKHA I TRAINING COLLEGE PUTHENCRUZ	MS BINI JOHN	ASSOCIATE PROF	NATURAL SCIENCE
46	PAVANATMA COLLEGE, MURICKASSERY	SINDU B	ASST. PROFESSOR	COMMEREC
47	PORUKARA COLLEGE OF EDUCATION, CHAMPAKULAM	MRS. SOUMYA P R	AST. PROFESSOR	NATURAL SCIENCE
48	RAJAGIRI VISWAJYOTHY COLLEGE OF ARTS AND APPLIED SCIENCES,VENGOOR	MRS. ANJU ANTONY	ASST PROF	COMMERCE
49	RLV COLLEGE OF MUSIC& FINE ARTS, TRIPUNITHURA	DR. SREEDEV R	LECTURER IN VOCAL	VOCAL
50	SB COLLEGE CHANGANACHERRY	MRS. SAJINI T	ASSISTANT PROFESSOR	CHEMISTRY
51	SCHOOL OF TECHNOLOGY AND APPLIED SCIENCES, CHUTTIPPARA	RAJASREE G	ASSISTANT PROFESSOR	COMPUTER SCIENCE
52	SCHOOL OF TECHNOLOGY AND APPLIED SCIENCES, PULLARIKKUNNU	MS. ASHA CHANDRAN	ASSISTENT PROFESSOR	COMPUTER SCIENCE
53	SCMS SCHOOL OF TECHNOLOGY & MANAGEMENT, MUTTOM, ALUVA	ARUN KUMAR	ASST PROFESSOR	COMMERCE
54	SNGIST ARTS & SCIENCE COLLEGE, MANAKKAPADY, NORTH PARAVUR	SUSEELA A	ASST. PROFESSOR	COMMERCE
55	SNM COLLEGE, MALIANKARA P.O	SAIPRIYA SUDARSAN	ASST PROFESSOR	ECONOMICS
56	SREE NARAYANA GURU COLLEGE OF ARTS & SCIENCE,PAINGOTTOR,KADAVOOR,KOTHAMANGALAM	SAYANA MOHANAN	ASST.PROFESSOR	COMMERCE
57	SREE NARAYANA TRAINING COLLEGE, OKKAL	MS.VIMA K V	ASST.PROFESSOR	NATURAL SCIENCE
58	ST ANTONY'S COLLEGE,PEERUMADE,IDUKKI	MR.NICE JOSE	ASST PROFESSOR	MANAGEMENT
59	ST JOSEPHS TRAINING COLLEGE MANNANAM	DR. SUNITHA SUSAN JOSE	ASSISTANT PROFESSOR	ST. JOSEPH'S TRAINING COLLEGE,
60	ST MARY'S WOMENS COLLEGE FOR TEACHER EDUCATION THIRUVALLA	MRS.SOMI MATHEW	ASST. PROFESSOR	SOCIAL SCIENCE
61	ST PETERS TRAINING COLLEGE, KOLENCHERY	SUDHA P	ASSISTANT PROFESSOR	B.ED

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MOOC Course on Organic Farming

62	ST THOMAS COLLEGE OF ADVANCED STUDIES, PARACKATHANAM, PERUMPRAMAVU PO,KEEZHUVAIPUR, MALLAPPALLY	MRS. SREELAKSHMI M.	ASSISTANT PROFESSOR	COMMERCE
63	ST THOMAS COLLEGE OF TEACHER EDUCATION, THODUPUZHA	MS. ANSU MANUEL	ASSI. PROFESSOR	ENGLISH
64	ST XAVIERS TRAINING COLLEGE FOR WOMEN, ALUVA	MS. ELIZABETH KURIAN	ASSISTANT PROFESSOR	SOCIAL SCIENCE
65	ST. DOMINIC'S COLLEGE, KANJIRAPPALLY	MS.MARY PITUNIA C MATHEW	ASSISTANT PROFESSOR	B.SC CHEMISTRY
66	ST. JOSEPH'S ACADEMY OF HIGHER EDUCATION AND RESEARCH, MOOLAMATTOM	MR. K.L. EAPPACHAN	ASST. PROFESSOR	DEPT. OF MALAYALAM
67	ST. PAUL'S COLLEGE, KALAMASSERY	JOHN MATHEW	ASSISTANT PROFESSOR	COMMERCE
68	ST. TERESA'S COLLEGE ERNAKULAM	DR. REEMA KURIAKOSE	ASSO. PROF.	ZOOLOGY
69	ST. THOMAS ARTS & SCIENCE COLLEGE,PUTHENCRUZ,ERNAKULAM	JINCY MATHEW	PROFESSOR	HINDI
70	ST.ALOYSIUS COLLEGE, EDATHUA	FR.TIJOMON P ISSAC	LIBRARIAN UGC	LIBRARY
71	ST.GEORGE'S COLLEGE, ARUVITHURA	BENOY KURIAN MYLAMPARAMBIL	ASSISTANT PROFESSOR	DEPARTMENT OF ENGLISH
72	ST.JOHN THE BAPTIST'S COLLEGE OF SPECIAL EDUCATION NEDUMKUNNAM, KOTTAYAM	FR. JOHNSON THOMAS	ASST. PROFESSOR	B.ED. SPECIAL EDUCATION
73	ST.MARY'S COLLEGE,MANARCAUD	MR. TONY FRANCIS	ASSISTANT PROFESSOR	CHEMISTRY
74	ST.STEPHEN'S COLLEGE, UZHAVOOR	MS. AMBILI CATHERINE THOMAS	ASST. PROFESSOR	COMMERCE
75	ST.THOMAS COLLEGE, KOZHENCHERY	MS TANIA THOMAS	ASST.PROFESSOR	HISTORY
76	ST.XAVIER'S COLLEGE FOR WOMEN, ALUVA	DR.JAYA KURUVILLA	ASSISTANT PROFESSOR	BOTANY
77	T. M. JACOB MEMORIAL GOVT COLLEGE, MANIMALAKUNNU	LINTA MARY JOSE	ASSISTANT PROFESSOR	CHEMISTRY
78	UC COLLEGE, ALUVA	ANUMOL JOSE	ASSISTANT PROFESSOR	BOTANY
79	VISWABHARATHI S N ARTS & SCIENCE COLLEGE,BHAJANAMADAM,NJEEZHOOR	EMILIA MARIYA FRANCIS	ASST. PROFESSOR	DEPT. MALAYALAM
80	VISWABRAHMANA COLLEGE, VECHOOCHIRA	MR. SUKESH KUMAR U	ASST. PROF	COMPUTER SCIENCE
81	YELDO MAR BASELIOS COLLEGE, KOTHAMANGALAM	MR. VISHNUDEV P K	ASSISTANT PROFESSOR	COMMERCE

Water Management Initiatives of MGU

The MGU main campus and School of Indian Legal Thought (SILT) are self-sufficient with water and don‘t depend on any other agency for water supply. In SILT, the open well is the main source. In the main campus, several **small water bodies (natural as well as man-made) such as abandoned quarry reservoirs (*Ravindrasarovaram*), check dams, ponds, and wells** serve as the primary sources. The micro-watershed in the Nalpathimala region is in the centre of the campus. The watershed is bordered by the quarters of teaching and non-teaching staff, as well as student hostels. It also includes a wetland region of micro bioregions in the eastern side of Gandhian studies. This provides a wealthy water resource for the campus.

Healthy Practices

1) Groundwater recharging

Rain pits were constructed at MG University to allow rainwater to replenish groundwater by recharging underground aquifers. There are 19 wells, one checkdam, pond and two pits are there for recharging groundwater. All the wells in the campus were cleaned periodically and maintained well. The protection and preservation of watershed areas like Nalpathimala, *Jeevaka* Live Laboratory and *Swasakosham* of the campus also boost up the recharging of groundwater. *Jeevaka* plays a pivotal role in the groundwater recharging of the campus. Pits constructed near SPAP and *Ettukettu* are the main rain pits.

Pit near SPAP

Pit behind *Ettukettu*

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Source of Water

2) Rainwater Harvesting

Rainwater harvesting programme in MG University campus is an appreciable one. The entire campus harvests about 4.8 crore litres rainwater. (*Ravindrasarovaram* - 4.25crores litres, pond near ground - 48 lakh litres and RWH tank in School of Environmental Sciences - 69,000 litres). The roof-top rainwater from all the buildings is transferred to the *Ravindrasarovaram*, the main rainwater harvesting structure of the campus.

A systematic roof-top rainwater harvesting system was established in the School of Environmental Sciences and the harvested water was used wisely in the school itself.

A methodical rainwater harvesting system is installed in the hostels also.

Rainwater harvesting in School of Environmental Science

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Inauguration of Rainwater harvesting in School of Environmental Science

Ravindrasarovaram

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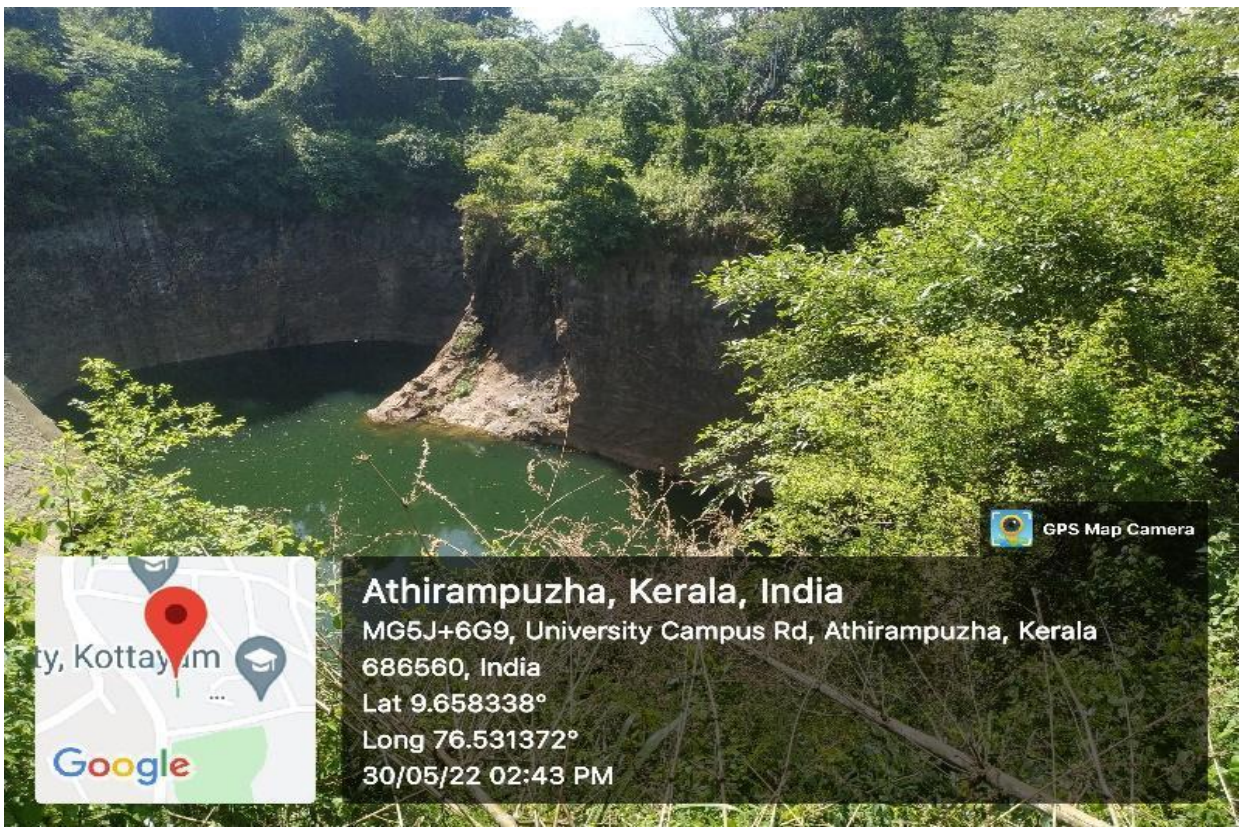
Source of Water

Ravindrasarovaram

Ravindrasarovaram is an abandoned quarry in the campus which has been renovated and used to store rainwater. It has an average storage capacity of 4.8 crore liters water. Rainwater from about fourteen buildings was diverted to the quarry, from where water was pumped to the main tank of the engineering unit. Water is mostly purified before being stored in *Ravindrasarovaram* and chlorinated before supplied to various overhead tanks of buildings. The campus requires 1.5 lakh litres of water each day for various uses. Previously, water was delivered by tanker trucks, particularly during the summer seasons, because most of the campus ponds and wells dried up during the season. For this, University had to spend approximately 35 lakh rupees every year. But after implementing *Ravindrasarovaram* project, University had not to pay a single penny for water. *Ravindrasarovaram* is a proud project of Mahatma Gandhi University.



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Source of Water

Proper maintenance of wells

All the wells in campus were cleaned once a year. Cleaning wells removes silts, undesired microorganisms, chemicals, and contaminants that may be present. Cleaning the well on a regular basis helps to maintain it healthy. Proper well maintenance includes not just cleaning, but also chlorinating the well, checking the well cover and removing debris that may fall into the well, and maintaining a clean environment around the well.

Cleaning of Wells

Cleaning of Wells

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Herbal Horti Garden

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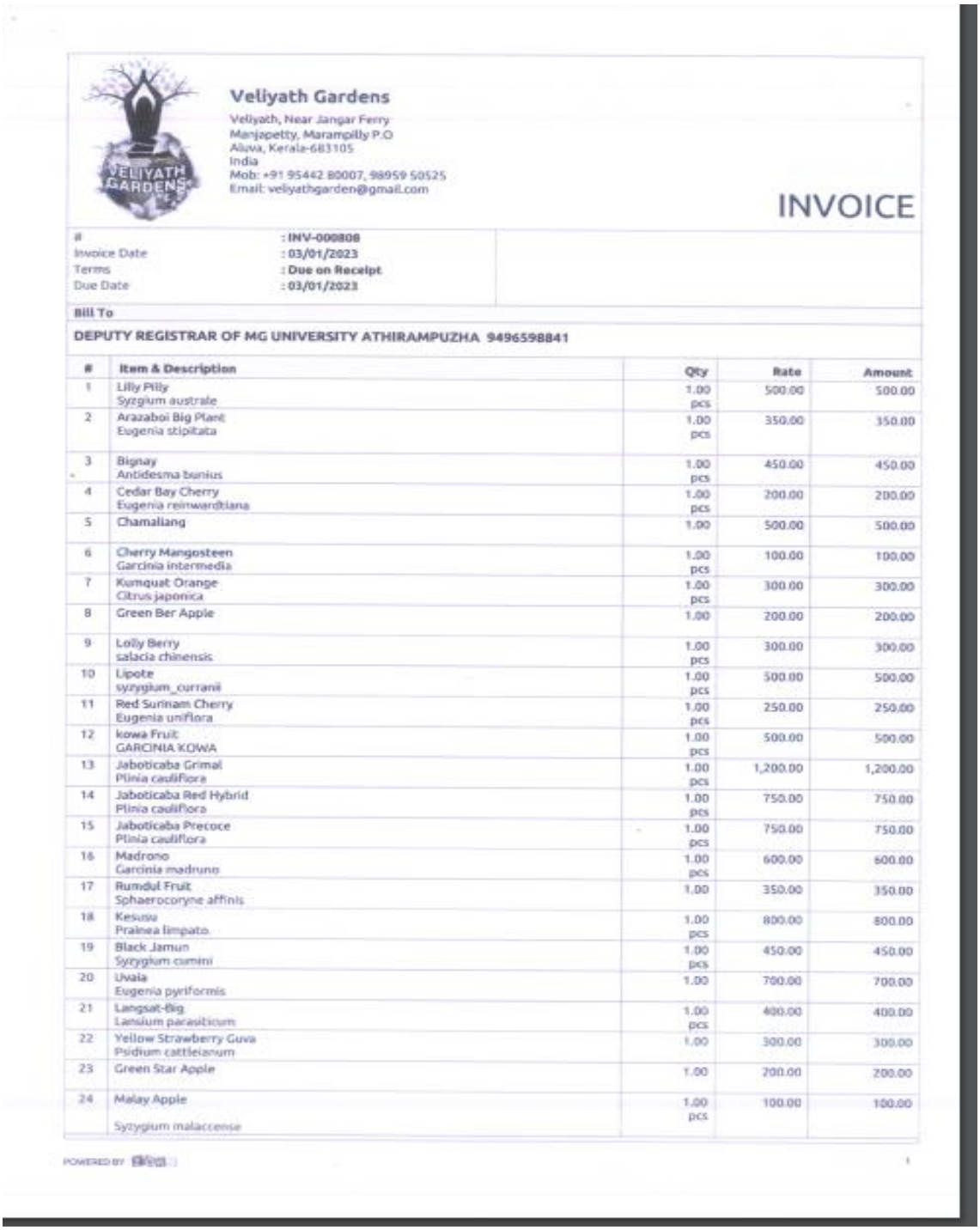

Veliyath Gardens
Veliyath, Near Jangar Ferry
Manjapetty, Marampilly P.O
Aluva, Kerala-683105
India
Mob: +91 95442 80007, 98959 50525
Email: veliyathgarden@gmail.com

INVOICE

#	: INV-000808
Invoice Date	: 03/01/2023
Terms	: Due on Receipt
Due Date	: 03/01/2023

Bill To

DEPUTY REGISTRAR OF MG UNIVERSITY ATHIRAMPUZHA 9496598841

#	Item & Description	Qty	Rate	Amount
1	Lilly Pilly Syzygium australe	1.00 pcs	500.00	500.00
2	Arazaboi Big Plant Eugenia stipitata	1.00 pcs	350.00	350.00
3	Bignay Antidesma bunius	1.00 pcs	450.00	450.00
4	Cedar Bay Cherry Eugenia reinwardtiana	1.00 pcs	200.00	200.00
5	Chamaliang	1.00	500.00	500.00
6	Cherry Mangosteen Garcinia intermedia	1.00 pcs	100.00	100.00
7	Kumquat Orange Citrus japonica	1.00 pcs	300.00	300.00
8	Green Ber Apple	1.00	200.00	200.00
9	Lolly Berry salacia chinensis	1.00 pcs	300.00	300.00
10	Lipote syzygium_curranii	1.00 pcs	500.00	500.00
11	Red Surinam Cherry Eugenia uniflora	1.00 pcs	250.00	250.00
12	kowa Fruit GARCINIA KOWA	1.00 pcs	500.00	500.00
13	Jaboticaba Grimal Plinia cauliflora	1.00 pcs	1,200.00	1,200.00
14	Jaboticaba Red Hybrid Plinia cauliflora	1.00 pcs	750.00	750.00
15	Jaboticaba Precoce Plinia cauliflora	1.00 pcs	750.00	750.00
16	Madrono Garcinia madruno	1.00 pcs	600.00	600.00
17	Rumdul Fruit Sphaerocoryne affinis	1.00	350.00	350.00
18	Kesuvu Prainea limpato	1.00 pcs	800.00	800.00
19	Black Jamun Syzygium cumini	1.00 pcs	450.00	450.00
20	Uvala Eugenia pyriformis	1.00	700.00	700.00
21	Langsat-Big Lansium parasiticum	1.00 pcs	400.00	400.00
22	Yellow Strawberry Guva Psidium cattleianum	1.00	300.00	300.00
23	Green Star Apple	1.00	200.00	200.00
24	Malay Apple Syzygium malaccense	1.00 pcs	100.00	100.00

POWERED BY

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Herbal Horti Garden

https://assist.mgu.ac.in/filemanager/assets/storage/DOC-CR16SE361NO10192.pdf

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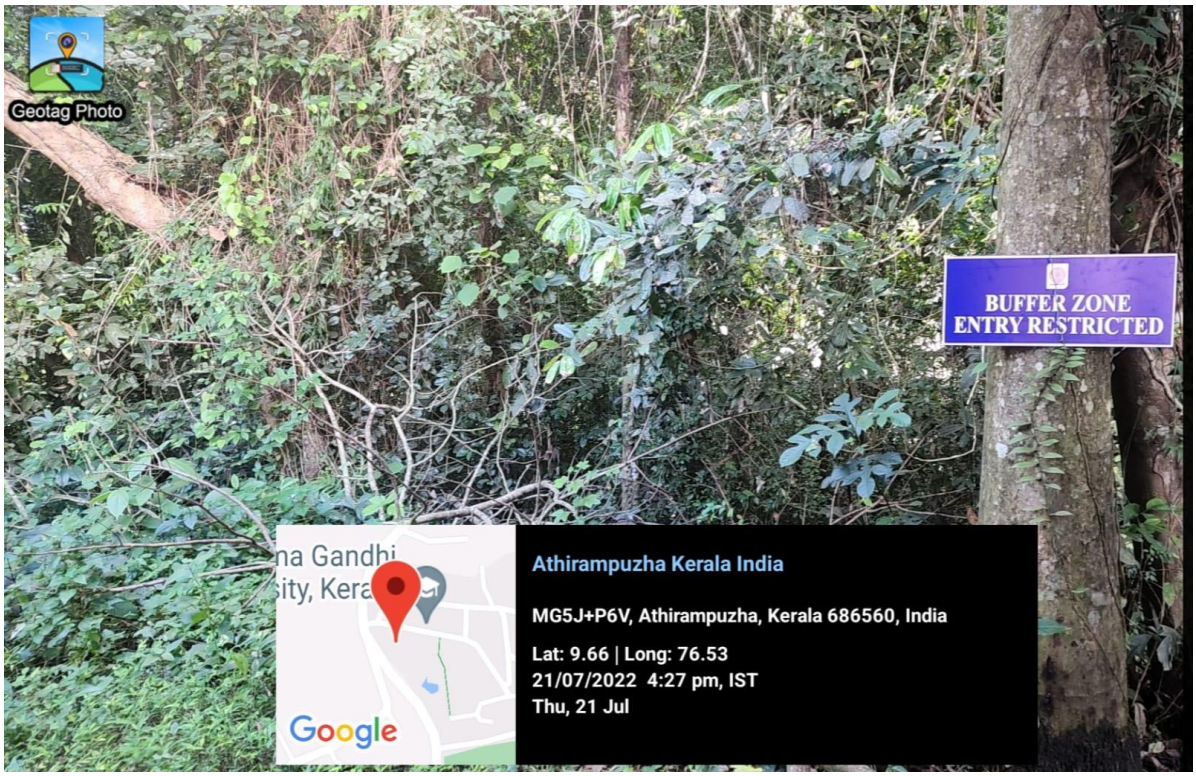
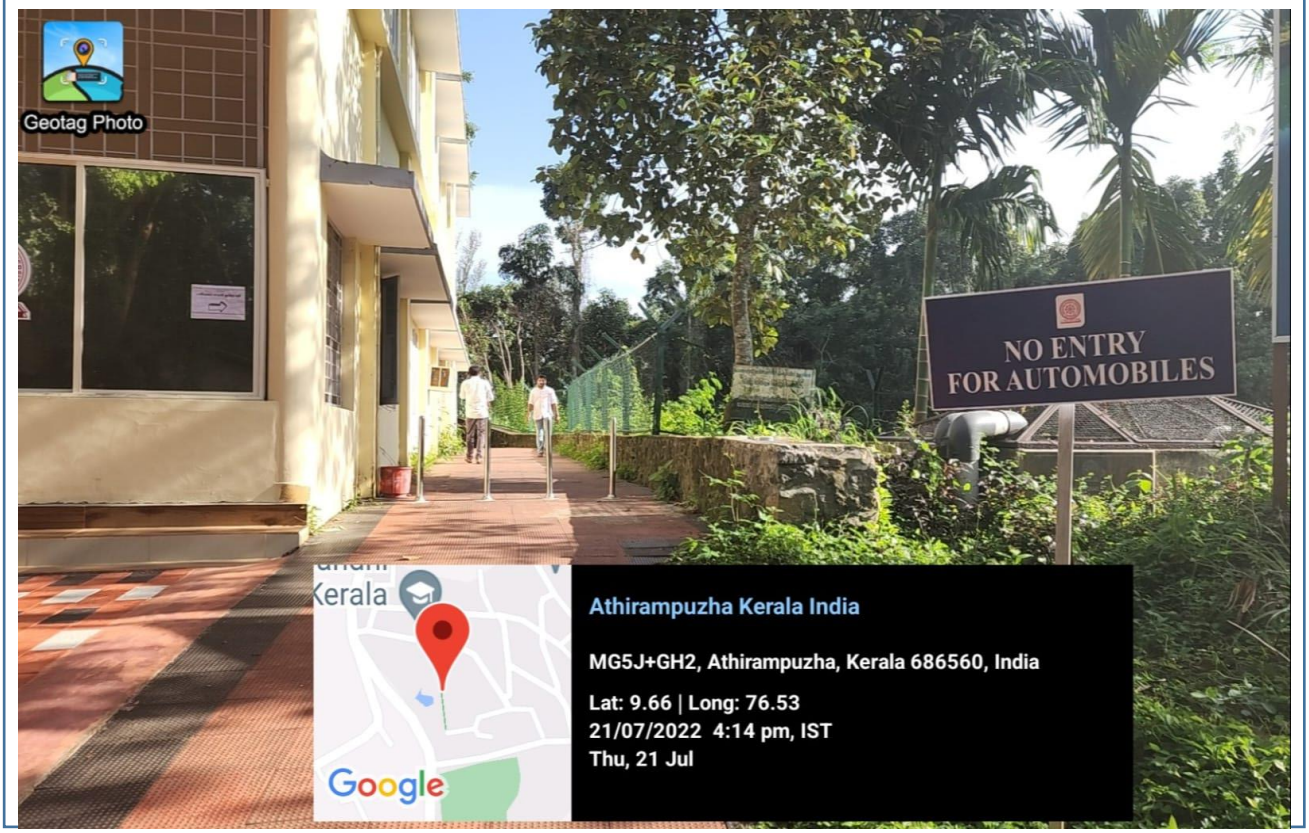
Buffer Zone



Restricted Entry of Vehicles



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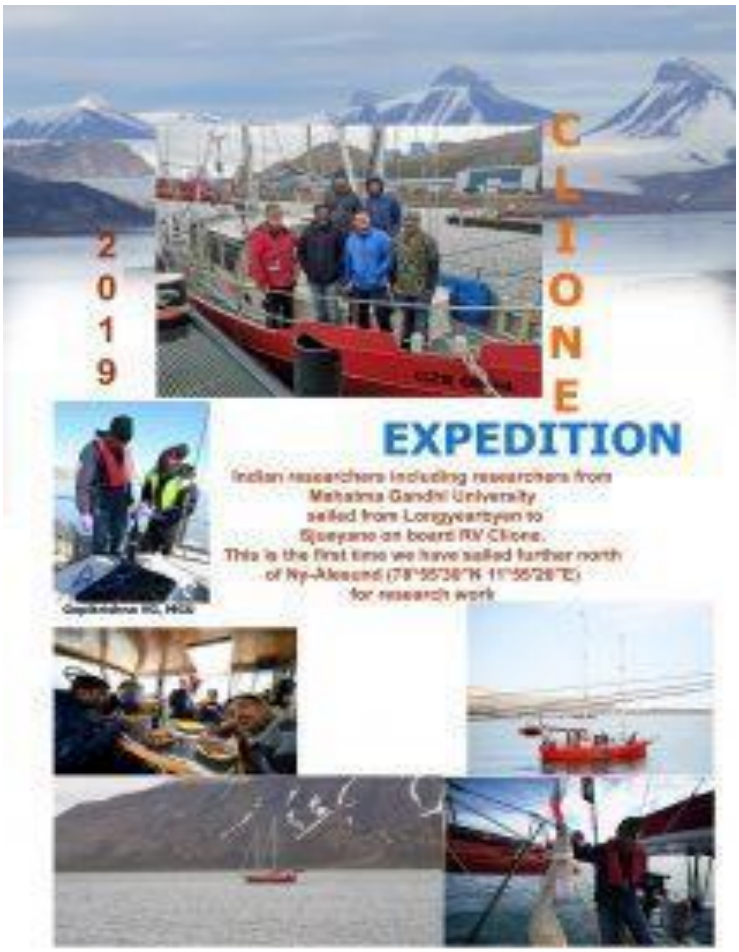
University Centers Addresses Global Sustainable Development Gola's (SDG17)

Mahatma Gandhi University's International Centre for Polar Studies (ICPS) serves as a collaborative hub for both scientific and social science endeavors related to polar regions. This interdisciplinary center involves the participation of the School of Environmental Sciences, the School of International Relations and Politics, and the Inter-University Centre for Social Science Research and Extension.

The ICPS is dedicated to researching various aspects of polar regions, encompassing both scientific exploration and socially pertinent matters. Its multifaceted approach supports environmentally and socially responsible development, guided by a comprehensive strategy that spans different levels of engagement.

https://icps.mgu.ac.in/



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Relevant videos of MGU Institutional Distinctiveness

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

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