SAMARTH™ GROUP

GREEN AUDIT REPORT

K.R. MANGALAM UNIVERSITY

Address – Sohna Road, Gurugram, Haryana 122103

Audit Date – 27TH AUGUST, 2023

Audit Conducted by:

SAMARTH™ GROUP

M/S SAMARTH MANAGEMENT PRIVATE LIMITED
212, BHERA ENCLAVE, PASCHIM VIHAR,
DELHI – 110087

For SAMARTH MANAGEMENT PRIVATE LIMITED
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Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

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CONSULTANTS

CERTIFICATE OF EXCELLENCE

THIS IS CERTIFY THAT **K. R. MANGALAM UNIVERSITY**

HAS SUCCESSFULLY

COMPLETED THE **GREEN**

AUDIT PROGRAM

CONDUCTED ON **27 AUGUST 2023**

For SAMARTH MANAGEMENT PRIVATE LIMITED
Samarth Suri
Authorized Signatory

CERTIFICATE NO. **SMPL/2023/C-0040** DATE OF ISSUE **05-09-2023** AUTHORISED SIGNATORY

CONDUCTED BY

SAMARTH™
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Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

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K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

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ABOUT KRMU

K.R. Mangalam University is the fastest-growing higher education institute in Gurugram, India. Since its inception in 2013, the University has been striving to fulfill its prime objective of transforming young lives through ground-breaking pedagogy, global collaborations, and world-class infrastructure.

K.R. Mangalam University being a progressive learning platform is a host to knowledge-seekers from across the globe. KRMU has signed MOU with University of Portsmouth (London), University of Bialystok (Poland), Namangan Engineering Construction Institute (Uzbekistan), Houston University (Texas), Roehampton University (London), Delhi University (New Delhi), IIIT Manipur (Manipur) and many more under which many articulations are being designed for advanced learning programmes.

KR Mangalam University aspires to become an internationally recognized institution of higher learning through excellence in interdisciplinary education, research and innovation, preparing socially responsible life-long learners contributing to nation building.

- Foster employability and entrepreneurship through futuristic curriculum and progressive pedagogy with cutting-edge technology.
- Instill notion of lifelong learning through stimulating research, Outcomes-based education and innovative thinking
- Integrate global needs and expectations through collaborative programs with premier universities, research centers, industries and professional bodies
- Enhance leadership qualities among the youth having understanding of ethical values and environmental realities

K. R. Mangalam University education carries a strong emphasis on foundational knowledge, thorough academic research based on rigorous pedagogy and hands-on experience with real-world challenges.

K. R. Mangalam University offered programmes in the area of

- BASIC AND APPLIED SCIENCES
- ENGINEERING AND TECHNOLOGY

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- MEDICAL AND ALLIED SCIENCES
- MANAGEMENT AND COMMERCE
- LEGAL STUDIES
- HUMANITIES
- EDUCATION
- HOTEL MANAGEMENT & CATERING TECHNOLOGY
- AGRICULTURAL SCIENCES
- ARCHITECTURE & DESIGN
- JOURNALISM & MASS COMMUNICATION
- PHYSIOTHERAPY & REHABILITATION SCIENCES

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ABOUT SAMARTH MANAGEMENT PRIVATE LIMITED

M/s SAMARTH MANAGEMENT PRIVATE LIMITED is a Management and Environmental Consulting Organization working in the Environmental field since 2004. The organization has a team of Environment Experts with wide knowledge in the subject. SMPL is providing services for various sectors such as

- Preparing Environment Impact Assessment (for Building & Construction Projects, Small and big manufacturing units, Hospitals, Educational Institutions, Hotels etc.)
- Samarth Management Private Limited has prepared Green Audit reports for various institutes and organizations.
- Team involved in this auditing and report preparation is given below:

Name	Designation
Mr. Arun Kumar	**Auditor**
Ms. Palak Ahuja	**Auditor**

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1. INTRODUCTION

The green audit aims to analyze environmental practices within and outside the university campuses, which will have an impact on the eco-friendly atmosphere. Green audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of the university environment. It was initiated with the motive of inspecting the effort within the institutions whose exercises can cause threat to the health of inhabitants and the environment. Through the green audit, a direction as to how to improve the structure of the environment and there are several factors that have determined the growth of carried out the green audit.

1.1. NEED FOR GREEN AUDITING

Green auditing is the process of identifying and determining whether institutions' practices are eco-friendly and sustainable. Traditionally, we are good and efficient users of natural resources. But over the period of time excess use of resources like energy, water, are becoming habitual for everyone especially, in common areas. Now, it is necessary to check whether our processes are consuming more than required resources? Whether we are handling resources carefully? Green audit regulates all such practices and gives an efficient way of natural resource utilization. In the era of climate change and resource depletion it is necessary to verify the processes and convert it into a green and clean one. Green audit provides an approach for it. It also increases overall consciousness among the people working in institutions towards an environment.

1.2. GOALS OF GREEN AUDIT

University has conducted a green audit with specific goals as:

i. Identification and documentation of green practices followed by university.
ii. Identify strength and weakness in green practices.
iii. Analyze and suggest solutions for problems identified.
iv. Assess facility of different types of waste management.
v. Increase environmental awareness throughout campus
vi. Identify and assess environmental risk.
vii. Motivates staff for optimized sustainable use of available resources.
viii. The long-term goal of the environmental audit program is to collect baseline data of environmental parameters and resolve environmental issues before they become a problem.

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1.3. OBJECTIVES OF GREEN AUDIT

i. To examine the current practices, which can impact on the environment such as resource utilization, waste management etc.

ii. To identify and analyze significant environmental issues.

iii. Setup goal, vision, and mission for Green practices on campus.

iv. Establish and implement Environment Management in various departments.

v. Continuous assessment for betterment in performance in green

1.4. BENEFITS OF GREEN AUDIT TO EDUCATIONAL INSTITUTIONS

There are many advantages of green audit to an Educational Institute:

i. It would help to protect the environment in and around the campus.

ii. Recognize the cost saving methods through waste minimization and energy conservation.

iii. Empower the organization to frame a better environmental performance.

iv. It portrays a good image of the institution through its clean and green campus.

2. OBJECTIVE AND SCOPE

The broad aims/benefits of the eco-auditing system would be

- Environmental education through systematic environmental management approach
- Improving environmental standards
- Benchmarking for environmental protection initiatives
- Sustainable use of natural resources in the campus.
- Financial savings through a reduction in resource use
- Development of ownership, personal and social responsibility for the College campus and its environment

3. EXECUTIVE SUMMARY

An environmental audit is a snapshot in time, in which one assesses campus performance in complying with applicable environmental laws and regulations. Though a helpful benchmark, the audit almost immediately becomes outdated unless there is some mechanism in place to continue the effort of monitoring environmental compliance. This audit report contains observations and recommendations for improvement of environmental consciousness.

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1. Energy Use

As part of its focus on energy management, KRMU will strive towards ensuring:

1.1 Inspection of the campus facilities every semester to identify, maintain and repair faulty or broken equipment on campus, such as ICT equipment, electrical devices, electrical panels, etc.

2. Water Management

As part of its focus on water management, KRMU will strive towards ensuring:

2.1 Inspection of the campus facilities every semester to identify and repair any faulty installations such as pipes, taps, flushes, etc. which may lead to leaks and wastage of water.

2.2 Adoption of rain water harvesting techniques and proper utilization of the same.

2.3 The exploration of water recycling mechanisms through collaborations with appropriate organizations.

3. Waste Management

As part of its focus on waste management, KRMU will strive towards ensuring:

3.1 Adoption of waste segregation methods such as appropriately placed dustbins for dry and wet-waste.

3.2 Appropriate e-waste management practices for collection, disposal or recycling of such waste.

3.3 Minimal use of paper on campus in all aspects of administrative and academic functioning by utilizing ERP and emails to the extent possible.

3.4 Minimal use of plastic on campus to reduce non-recyclable waste.

3.5 Adoption of appropriate practices to reduce/recycle/treat municipal waste within the campus premises such as collaborations with companies/NGOs for recycling.

3.6 Minimize hazardous waste and appropriate management of such waste.

4. Landscaping and gardening

As part of its focus on building a green campus, KRMU will strive towards ensuring:

4.1 Expansion of green cover in the campus through investments in gardening and landscaping activities.

4.2 Active engagement with the community for increasing green cover in the surrounding areas.

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4. KRMU INFRASTRUCTURE

The KRMU campus is spread over 26,486 acres. with state-of-the-art infrastructure with modern settings and cutting-edge apparatus that helps students on practical skills within the campus.

4.1. WATER MANAGEMENT

Water conservation is a key activity as water availability effects on the development of the campus as well as on all areas of development such as farming, industries, etc. Keeping this view water conservation activity is carried out.

SOURCES OF WATER

- Water from Municipal
- Water Bottles from Vendor

The source of wastewater is Domestic Waste Water i.e., Sewage water. The Sewage water mainly comes from Toilets of college, hostel, kitchen and canteen. One Sewage Treatment Plant was installed in the campus of 100 KLD. Total sewage treatment plant capacity is 100 KLD. The treated water is stored in tanks and further utilized for gardens. Low flush cistern and sensor-based water tapes have been installed in washrooms to minimize wastage of water.

4.1.1.RAINWATER HARVESTING PITS

Conserving and preserving water are a key issue that has been addressed by the University in the form of Rain water harvesting. The campus has been practicing rainwater mechanisms in a site area of 26 acres approx. where there are 17 rain water harvesting pits all over campus. All are in operation.The details of the rainwater harvesting system have been designed by a certified architect and have been implemented throughout the campus.

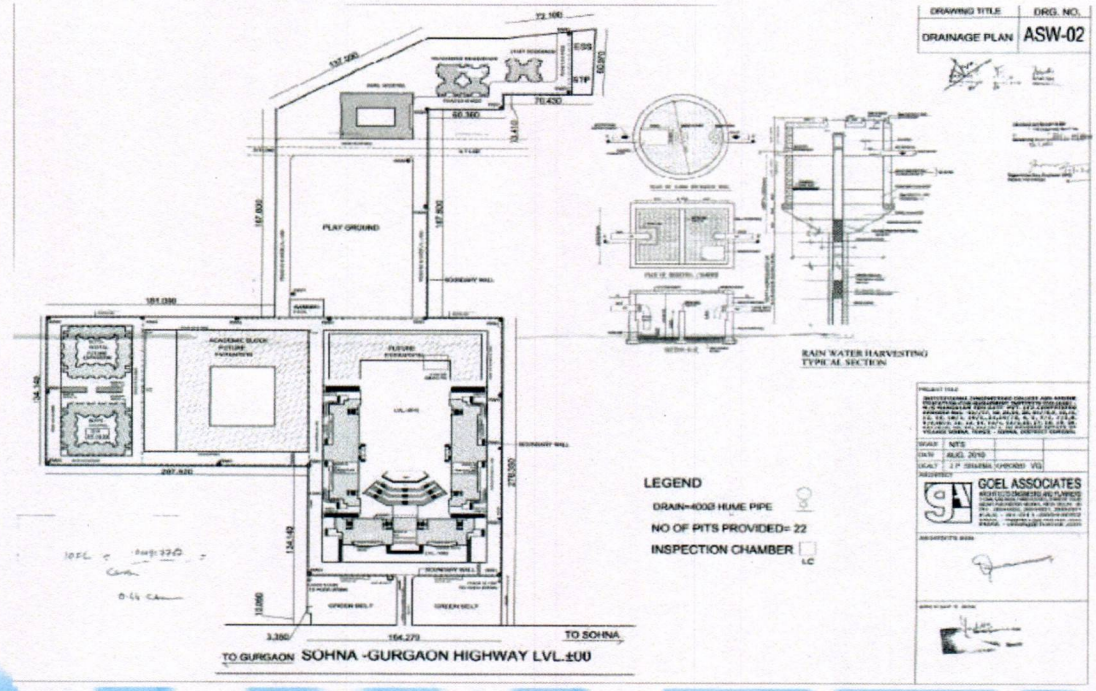
Desilting Pits

- Depth - 3 Meter
- Area - 3x3 Meter

4.1.2.SEWAGE TREATMENT PLAN

The University has a Sewage Treatment Plant of 100 KLD capacity, which is utilized for treating waste water of the hostel and all other blocks. There is utilization of liquid waste within the campus. The treated water is stored in tanks and further utilized for gardens.

Low flush cistern and sensor-based water tapes have been installed in washrooms to minimize wastage of water.



DRAINAGE PLAN

4.1.3.SENSORED WATER TAPS

Energy efficiency is a key strategy for the sustainable growth of the planet. The University with this objective has sensor-based water conservation system installed in all the washrooms. Further, the optimization of energy resources is ensured with the installation of sensor-based entry gates at every building within the University premises.

There are two circuits: sensor module and controller module. PIR sensor module is used here to detect the Human body movement, whenever there is any body movement the voltage at output pin changes. Basically, it detects the change in Heat, and produce output whenever such detection occurs. In controller module Relay is an electromagnetic switch, which is controlled by small current, and used to switch ON and OFF relatively much larger current. By applying small current we can switch ON the relay which allow much larger current to flow.

4.1.4.REUSE OF WASTE -WATER

KRMU is committed to sustainability and environmental stewardship. In line with this

commitment, the university has embarked on a comprehensive wastewater reuse program to conserve water resources, reduce environmental impact, and demonstrate responsible water management practices. This initiative not only aligns with our sustainability goals but also serves as a model for the community and educational institutions.

- Waste water is reused for the purpose of gardening and washing buses in the campus.
- Treated wastewater can be used for watering lawns, gardens, and other green spaces on campus, reducing the demand for freshwater.

4.2.WASTE MANAGEMENT

Management of the various types of Degradable and Non-Degradable waste at the campus

There are different types of waste that are produce

- **Biodegradable Waste**
- **Non-Biodegradable waste.**

Biodegradable materials are those, which degrade or break down in a natural manner. In other words, their decomposition happens with the help of natural agents like sunlight, microorganisms, water, ozone and more which turns it into organic manure.

Non-biodegradable substances are materials which do not degrade easily. As they are synthesized and do not occur naturally, degradation is impossible with these products. Therefore, when they stay in the ecosystem for a long period and do not decompose, they harm our environment.

The Institution adopts several measures for management of the various types of degradable and non-degradable waste at the campus.

Some of them are -

i. The Institution provides small dustbins in every class room and faculty rooms and encourages students and faculties to throw their waste specifically in the dustbins.

ii. KRMU has ensured installation of big dustbins near the Canteen area to promote amongst students the habit of disposing waste in bins.

iii. The Institution also encourages the use of 3 different dustbins i.e., Green, Yellow and Blue Dustbins. The same is done to segregate the waste.

iv. At each floor of the institute, near the washrooms big dustbins have been kept.

v. Incinerators are used for waste management.

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USE OF DEGRADABLE WASTE

Due to the canteen in the college premises itself; there is a lot of degradable waste generated. This includes, vegetable peels, leftover food etc. All this waste is collected and used in the compost pit dug in the college itself. This not only helps in proper management of waste but also aids in the growth of other plants as the compost is later used as Organic Compost or Organic Natural Fertilizer.

Table 1 Type of Waste in the University

Ser	Type/ Name of waste material	Approx. Qty per day	Method of Disposable
(a)	Paper Glass/ Paper Plates/ papers	02 Kg	Handed over to Hired contractor
(b)	Plastic spoons/Polythene bags/ plastic bottles	1.5 Kg	Handed over to Hired contractor
(c)	Waste food	10 Ltr	Handed over to Hired contractor
(d)	Grass/ Tree leaves	50 Kg	Disposed in field earmarked
(e)	News papers	500 Gm	Sold to scrap vendors
(f)	Card Boards	04 Kg	Sold to scrap vendors
(g)	Papers/Projects	2.5 Kgs	Sold to scrap vendors
(h)	Empty plastic canes/ drums/ buckets etc	250 Gm	Sold to scrap vendors

Liquid

(a) **Water**. The potable water (averagely 75 Bottles per day) is being procured for the university. On an average 65,000 Ltr water per day is used in hostels. Water meter is not installed in A, B & C block, therefore actual consumption of water cannot be ascertained, however approx. 30, 000 Liters water is consumed in A, B & C block.

(b) **STP**. A STP has been installed in campus which is capable of treating 100000 Liters of water per 24 hrs. The STP is being run 12 hours per day as per contract, therefore on an average per day 50000 Liters of water is being treated. The treated water is used of irrigation of plants.

(c) **Oil**. There are four DG sets in the university as power back up during failure of the

main electrical supply. On an average per year 275 Ltr waste oil is generated. The waste oil is contained in a leak proof container and sent to the Head Office for further disposal.

a) Solid waste management:

The University has tie ups with authorized vendors for the collection of garbage and paper waste from designated places. 100% usage of disposable products like paper glass helps to reduce solid waste in the campus. Students and staff members are encouraged to make the campus plastic free. The University has placed waste bins in every area as per requirement with color coding for e.g. green, blue and yellow. We have compost pits to dump green waste, which is utilized for manure preparation and for maintaining a green campus. The wet waste is recycled along with cafeteria waste for soil manure/fertilizers after processing the same in a pit. Standard operating procedure for disposal of chemical as well as microbial waste is in practice. The University has banned the usage of plastic within campus.

b) Liquid waste management:

The University has Sewage Treatment Plant of one lakh liters capacity, which is utilized for gardening. There is utilization of liquid waste within the campus. Water from wash basins and hostel rooms are stored in tanks and further utilized for gardens. Low flush cistern has been installed in washrooms. Water squirting has been enabled in all taps. In view of the National Mission on Clean and Green Environment, we have taken steps for plantation inside as well as outside the campus. This activity is monitored by NSS every year. Tanks with the required storage capacity are available for rainwater harvesting.

c) Biomedical waste management:

Biomedical waste from university's animal house is collected in separate bins. The University has signed a contract with authorized bio-medical waste management contractor who collects the waste from the designated place and disposes it according to bio-medical waste management rules.

d) E-waste management:

A Standard Operating Procedure is being followed for the management of "The Hazardous Lab & other Waste Disposal". The e-waste generated from hardware which cannot be reused or recycled is disposed of centrally through the authorized vendors. Disposing of old, out dated and non-functioning electronic items such as monitors, computers,

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keyboards, mouse, power supplies, printers, batteries etc. is a major problem because such materials contain toxic chemicals and improper disposal of these items is injurious for living beings. The institute has tie up with the M/S Adinatha Cyclotronic Private Limited for the Waste Regarding LED Tubes, MCCB, RCCB, Computer, Laptop, CPU, Batteries, AC, Metallic Waste. The electronic equipment to be disposed is collected at a central store and then handed over to the concerned vendors.

e) Waste recycling system:

Faculty and staff members participate in the recycling effort by following the principle of separation of recyclable and non-recyclable materials and placing them in appropriately marked recycling bins. Students are motivated to participate in campus recycling efforts.

f) Hazardous chemicals waste management:

All kinds of hazardous chemicals like lead batteries, waste diesel from DG set and other chemical storage glass bottles are disposed-off according to the standard disposal norm, taking special care that no harm is caused to any living beings. The University has signed a contract with authorized waste management contractor – M/S Indian Petro & Chemicals who collects the waste from the designated place and disposes it according to waste management rules.

5. ECOLOGY AND BIODIVERSITY MANAGEMENT

5.1. PLANTS IN THE UNIVERSITY

KRMU boasts a rich and diverse campus landscape, adorned with a wide variety of plant species that contribute to the overall aesthetic appeal and environmental sustainability of the university.

Two-tier plantations have been done along the campus boundary. Fruit bearing and shady plants like Ashok, Sondana, Kusum, Vismarkya, Kachnar, Pilkan, Sashut, Champa etc are planted. A nursery, and a well functional green house, composting unit to provide organic manure and trained manpower to carry out horticulture work is maintained. An organic orchard is created which harbors a large number of horticulture plant varieties. Due to natural vegetation patches, the university is ecologically sound and is home for a large number of birds and butterflies. 120 birds and 40 butterflies are documented inside campus during biodiversity survey.

The diversity of plant species identified highlights the richness of the campus ecosystem. The presence of native and non-native species raises considerations for conservation efforts, habitat restoration, and invasive species management.

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5.2.SPECIAL GARDENS

The Medicinal Garden at KRMU is a unique and valuable resource that serves as an educational, research, and therapeutic hub within the university campus. This carefully curated garden is dedicated to cultivating a diverse array of medicinal plants and herbs, providing students, faculty, and the community with a living laboratory for the study of herbal medicine, sustainable gardening practices, and holistic health.

The Medicinal Garden at KRMU is a testament to the university's commitment to education, research, and the well-being of its community. It serves as an invaluable resource that not only enriches academic pursuits but also fosters a deeper appreciation for the healing potential of nature and the importance of sustainable living. This living laboratory continues to flourish, offering countless opportunities for learning, discovery, and personal growth.

The Herbal Garden at KRMU is a verdant sanctuary brimming with nature's remedies and therapeutic plants. Nestled within the heart of our community, this garden serves as a haven for those seeking to explore the boundless world of herbal medicine, reconnect with the healing power of plants, and experience the beauty of sustainable cultivation practices.

At KRMU, the Herbal Garden plays a pivotal role in cutting-edge research. It serves as a dynamic hub where scholars and researchers investigate the pharmacological properties, sustainable cultivation methods, and potential uses of these botanical wonders. This research contributes to the development of natural remedies, essential oils, and herbal-based products, fostering innovation and advancements in the field of herbal medicine.

5.3.CO-HABITATION OF BIRDS, REPTILES

The greenery of the area attracts the different species of avifauna such as Weaver Bird, Bank Manya, Shikara, Erget, Parakeet, Crow, Kingfisher, etc.

The presence of both birds and reptiles within the confines of a university campus may not be immediately evident, but it exemplifies a unique co-habitation between two diverse groups of wildlife. This coexistence offers a fascinating opportunity for students, faculty, and the broader community to observe, study, and appreciate the intricate dynamics of nature. At KRMU, we have created an environment where birds and reptiles share space, offering invaluable lessons in ecology, biodiversity, and cohabitation.

The co-habitation of birds and reptiles within the university environment is a testament to our commitment to ecological diversity and environmental education. It offers a living example of how urban areas can serve as havens for wildlife, while also providing

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opportunities for research, learning, and community engagement. As we continue to nurture this harmonious coexistence, we celebrate the richness of our campus ecosystem and the vital lessons it imparts about the interplay of life in our natural world.

6. ENERGY MANAGEMENT

6.1.DIESEL GENERATOR

The KRMU has installed 3# of Diesel Generator. The following table provides the Diesel generator capacity in the University.

Table 2 List of DGs

S. No	Equipment Name	Make	Capacity in (kVA)
1	Diesel Generator - 01	Cummins	625 kVA
2	Diesel Generator - 02		380 kVA
3	Diesel Generator - 03		250 kVA

6.2.TRANSFORMER DETAIL

The KRMU has installed one Transformer of 2000 kVA. The following table provides the transformer capacity in the University.

S. No	Equipment Name	Capacity in (kVA)
1	Transformer – 01	2000

6.3.ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES AT THE CAMPUS

The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Use of LED bulbs/power efficient equipment
3. Other measures

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1. Solar energy

Institute has taken initiative to install solar lights in the garden and also intends to increase campus wide solar light usage. The University has a solar power generating system of 310 KW on the rooftop of the academic building A, B, C blocks, DG room and the hostel building. The solar system is wheeled to the grid.

2. Use of LED bulbs/power efficient equipment

Light-emitting diodes (LED) are one of today's most energy-efficient and rapidly developing lighting technologies. Quality LED light bulbs last longer, are more durable, and offer comparable or better light quality than other types of lighting.

University have proper lighting system with LED Lights in the campus. Energy Savings with use of LED is a highly energy efficient lighting technology, and has the potential to fundamentally change the future of lighting.

LED bulbs were used for newly constructed buildings and some of the incandescent and fluorescent tube lights were replaced with LED bulbs. Majority of the class rooms, laboratories, administrative blocks, computer centers, libraries, seminar halls and staff rooms were provided with LED lighting systems which are supposed to be energy efficient.

3. Other Measures

- Energy efficient electronic gadgets are used and maintained regularly to achieve energy conservation.
- Campaigns on awareness on energy conservation are made available in all relevant locations.
- Unwanted usage of power is discouraged in the Institute.
- Institute has conducted various awareness drives in campus to ensure saving water & electricity.
- Star rated refrigeration system
- Invertors
- Use of induction in pantry
- Awareness on how to conserve energy during the day time

7. GREEN CAMPUS INITIATIVES BY KRMU

A Green Campus is a place where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. This metric

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focuses on reducing wasteful energy inefficiencies and using non- conventional sources of energy for daily power need along with effective waste disposal, handling and recycling system. The university should promote the use of digital technology and management to reduce consumption of natural resources - paper, gas, water, energy etc.

The university should encourage the staff and students to use the university transport instead of their own vehicles for safety, security, fuel conservation and to reduce environmental pollution. The University is aware of its environment conservation responsibilities and embraces principle of sustainable development to ensure any adverse environmental impact. Infrastructural development is done to maximize usage of natural resources like native vegetation, water reserves, sun and wind resources. Passive green features i.e. sunken areas are developed to reduce temperature regime during summer.

World Water Day- 21st March; World Earth Day- April 22nd; World Biodiversity Day- May 22nd; and World Environment Day – June 5th, Ozone Day – September 16th Awareness seminars are organized on various environmental problems. The Green campus drive is an initiative of the University to protect the Environment. The College has been declared as 'No Plastic' & No Smoking' zone. The campus protects age old trees in addition to several new trees and plants planted. The campus is lush green with gardens, lawns, flowers and plants wherever there is open space. Rain water is harvested and collected in the well in front of the College.

Restricted Entry of Automobiles:

The University implements no automobile policy in the campus. All the vehicles of employees and students are parked in the designated parking area. There are separate gates for entry and exit of vehicles. Inside the campus there is no entry of vehicles of any kind.

Use of Bicycles/battery powered vehicles:

All the staff and students will use bicycles/battery powered vehicles as a part of Green Campus & Environmental Sustainability, the entry of automobiles inside the campus is strictly prohibited. Only eco- friendly vehicles (bicycle and battery-operated vehicles) are permitted inside the campus. Any student, staff or outsiders parking their vehicle inside the premises will face disciplinary action. Students & Staff are encouraged to use cycles on campus.

Pedestrian Friendly Pathways:

The university has pedestrian friendly pathways as a part of Green Campus & Environmental Sustainability where pedestrians can walk safely through the designated

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pathways. The building plan and architecture are planned in user friendly that promotes walkability. Proper footpaths are made along the roads within the campus and are well maintained in terms of quality with lush green belts accompanying the roadsides. Campus is developed in walk friendly manner with network of pedestrian walkway across the campus and to discourage use of vehicles inside the campus.

Plastic free campus:

The university is trying its best to minimize plastic usage.

Paperless office: All official communication to staffs and students is done through email, data collection is carried out through serosoft portal.

Public transport:

Carbon accounting: All vehicles entering University have "Pollution Under Control" certificate University provides CNG buses and CNG cars for students, faculty and staff for daily commuting and also encourages carpooling to reduce carbon footprint.

8. SUMMARY

Green Audit is one of the important tools to check the balance of natural resources and its judicial use. Green auditing is the process of identifying and determining whether institutional practices are eco-friendly and sustainable. It is a process of regular identification, quantification, documenting, reporting and monitoring of environmentally important components in a specified area.

K.R. Mangalam University has conducted a "Green Audit" in the year 2022-2023. The main objective to carry out a green audit is to check the green practices followed by KRMU and to conduct a well-defined audit report to understand whether the KRMU is on the track of sustainable development.

9. CONCLUSION

From the green audit following are the conclusions, which can be taken for improvement in the campus.

a. All departments generate paper waste. Especially academic buildings. Using both sides of paper for printing and writing is good practice and use the other side of used paper for rough work.

b. The E-waste and defective item from computer laboratory is being stored properly. The institution has decided to contact approved E-waste management and disposal

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facility in order to dispose E-waste in scientific manner.

c. University has established Bio-Gas Plant in the campus premises.

10. RECOMMENDATIONS

Following are some of the key recommendations for improving campus environment:

- All trees in the campus should be named scientifically.
- Awareness about carbon footprint generation among staff and students so that there must be a decrease in it.
- Development of vermicompost pits and disposal of waste at the source of segregation itself.

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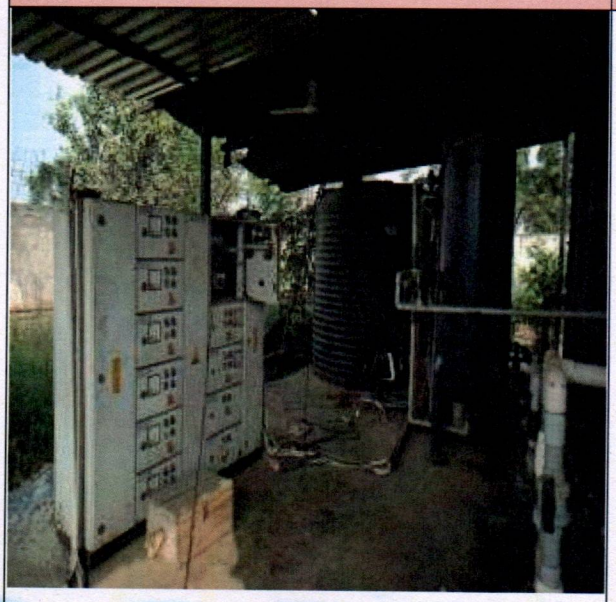
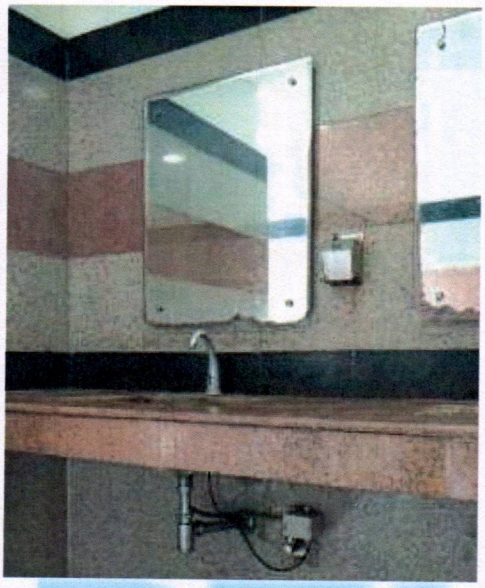
11. ANNEXURE I - PHOTOGRAPHS

Sewage Treatment Plant	Sensor Operating Water Tap
	
STP Layout	**Plastic Free Campus**
	

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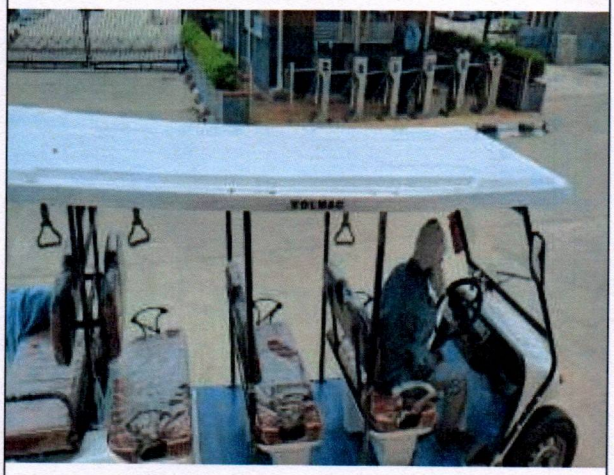
Electric Cars	Compost Pit
	
Bio-Gas Plant	**Waste Management**
	

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Greenery in Campus	Plants in University
	
Plants in University	**CNG Buses**
	

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Initiative through Green Campus

PUBLICATION: DAINIK SAVERA TIMES
EDITION: DELHI+HARYANA
DOI: 14-08-2022
CAPTION: AZADI KA AMRIT MAHOTSAV

के.आर.मंगलम विश्वविद्यालय ने वृक्षारोपण अभियान के साथ हर घर तिरंगा मनाया

सवेरा न्यूज/ पत्रम

नई दिल्ली, 13 अगस्त : 75वें आजादी का अमृत महोत्सव के अवसर पर के.आर. मंगलम विश्वविद्यालय ने आज लखुवास गांव में वृक्षारोपण अभियान चलाया। इस अभियान का उद्घाटन एसडीएम मोहना, विशेष वर्ग और विधि के बीसी प्रो. वी.एस. दुबे ने किया। मोहना राजमार्ग पर छात्रों और अन्य वाहियों को राष्ट्रीय ध्वज भी वितरित किया गया। वर्ग ने छात्रों और संकाय सदस्यों द्वारा किए जा रहे प्रयासों की सराहना की।

के.आर.मंगलम विश्वविद्यालय ने वृक्षारोपण अभियान के साथ हर घर तिरंगा अभियान में भी हिस्सा और राष्ट्रीय ध्वज वितरित किए।

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