



GREAT GANGES INSTITUTE OF TECHNOLOGY

Affiliated to C.S.J.M. University, Kanpur (College Code - UN51)

Ref. No.

Date.....

GGES/GGIT/ Ac./2023-24/13

01/08/2023

Notice

This is to inform all the faculty, Staff and Students of Great Ganges Institute of Technology, Unnao that the institute is decided to be a motor vehicle free campus.

The entire faculty, Staff and Students of Great Ganges Institute of Technology, Unnao are instructed to make use of the bicycle facility efficiently for commuting inside the campus for official purpose and use the bicycle with proper care.

The main objective is to reduce the movement of vehicles with in the campus and promote a pollution free campus.



Great Ganges Education Complex

Kanpur - Lucknow Highway, Vill : Gadankhera, PO : Singrausi, Dist. : Unnao 209801

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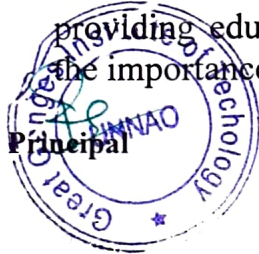
GGES/GGIT/2023-24/01

Date: 25/07/2023

E-Waste Management Policy

These policies are designed to responsibly handle electronic waste, including old computers, monitors, printers, and other electronic devices, in an environmentally friendly manner. Here are some common components of e-waste management policies at Great Ganges Institute of Technology:

- 1. Collection Points:** Designated collection points or drop-off locations on campus where members of the university community can deposit their old or unused electronic devices.
- 2. Segregation and Sorting:** Proper sorting of collected e-waste into categories such as working equipment for reuse, non-working equipment for recycling, and hazardous materials for appropriate disposal.
- 3. Data Security and Privacy:** Ensuring that all sensitive data is securely wiped from devices before disposal to protect the privacy of individuals and the university.
- 4. Reuse and Refurbishment:** Establishing procedures for identifying and refurbishing still-functional electronic equipment for reuse within the university or for donation to charitable organizations.
- 5. Recycling Partnerships:** Establishing partnerships with certified e-waste recycling companies or organizations that responsibly process and recycle electronic waste.
- 6. Disposal of Hazardous Materials:** Implementing safe and compliant disposal methods for hazardous materials found in electronic devices, such as batteries, mercury-containing components, and certain chemicals.
- 7. Compliance with Regulations:** Ensuring that e-waste management practices comply with local, regional, and national regulations and standards related to electronic waste disposal and recycling.
- 8. Education and Awareness:** Conducting awareness campaigns and providing educational resources to inform the university community about the importance of responsible e-waste disposal.



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Sewage Disposal and Rain water Harvesting Policy

A sewage disposal system policy outlines the guidelines and procedures for the proper management and treatment of wastewater within a specific jurisdiction, such as a city, town, or institution. This policy is essential for ensuring public health, protecting the environment, and complying with regulatory standards. Here are key components often included in a sewage disposal system policy at GGIT:

- 1. Regulatory Compliance:** The institute acknowledging and committing to compliance with local, regional, and national regulations governing sewage disposal and wastewater treatment.
- 2. System Design and Construction:** GGIT develops the standards and guidelines for designing, constructing, and maintaining sewage infrastructure, including sewers, treatment plants, and other related facilities.
- 3. Wastewater Quality Standards:** GGIT establish acceptable levels of contaminants, pollutants, and parameters in wastewater discharged into the system to protect public health and the environment.
- 4. Monitoring and Testing:** GGIT maintains regular monitoring, sampling, and testing of wastewater to ensure compliance with established quality standards.
- 5. Treatment Processes:** The institute adopts several methods and technologies used for treating wastewater, including primary, secondary, and tertiary treatment processes.
- 6. Hazardous Waste Management:** The institute smartly handling and disposal of hazardous materials and pollutants that may enter the sewage system, emphasizing the importance of preventing contamination.
- 7. Sewage Sludge Management:** The institute outlines the procedures for the safe and responsible management of sewage sludge generated during the treatment process.
- 8. Community Education and Outreach:** GGIT make efforts to educate the community about the importance of proper sewage disposal, water conservation, and pollution prevention.





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Waste Management Policy

Our organization understands the importance of waste management and its effect on the environment. We are committed to minimizing waste production by employing Reduction, Re-use, and Recycling techniques at every stage of our operation. We are committed to ensuring that all operations and activities are fully compliant with all current waste management legislation.

Aims

1. To minimize waste production throughout the Group
2. To operate within full compliance of Environmental Law

Objectives

1. Identify areas of waste production throughout the Group
2. Employ effective waste management practices to identify the most efficient methods to reduce the production of waste and to maximize the re-use or recycling of waste material.
3. Manage the process to ensure compliance with best practice
4. Through training and support, ensure that all staff is aware of their responsibilities under Environmental Law and how compliance can be achieved and maintained.



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Energy Conservation policy

The energy conservation policy aims to reduce energy consumption, lower greenhouse gas emissions, and promote a culture of environmental responsibility within the organization premises.

Here are some common strategies and policies that GGIT implement:

1. **Energy Audits:** Conducting regular energy audits to identify areas where energy is being wasted and to implement improvements.
2. **Energy-Efficient Infrastructure:** Designing and constructing buildings with energy-efficient features, such as proper insulation, efficient lighting, and HVAC systems.
3. **Renewable Energy Sources:** Investing in renewable energy sources like solar panels to generate clean and sustainable energy.
4. **Energy-Efficient Lighting:** Replacing traditional light bulbs with LED lights, which consume significantly less energy and have a longer lifespan.
5. **Smart Building Management Systems:** Implementing advanced systems that monitor and control building operations, including lighting, heating, cooling, and ventilation, to optimize energy usage.
6. **Education and Awareness Programs:** Educating students, faculty, and staff about energy conservation practices and encouraging them to adopt more sustainable behaviors.
7. **Transportation Initiatives:** Promoting sustainable transportation options such as biking, walking, carpooling, and providing electric vehicle charging stations.



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Environment Policy

The environmental policy of GGIT is to conserve natural environment, develop sustainable solutions, innovations and startups, promote rural technologies and control energy consumption in order:

- To build awareness among students about conservation of natural resources and development of sustainable environments for national prosperity
- To facilitate development of technologies in rural area for inclusive growth
- To adopt fair, ethical and environmentally-friendly approach, which incorporates everything from implementation to training of students through institutions
- To evolve futuristic technologies and develop engineering designs that could be pivotal for the sustainable utilization of the augmented natural resources
- To help building up a society that has conservation oriented attitude and exists in harmony with nature



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Environmental Policy Objectives

The long term goals for educational institutions include:

- To educate and engage students and employees on environmental concerns and sustainability
- To recognize and appreciate the efforts of students towards environment conservation and sustainable development
- To promote innovation and startup for sustainable development
- To help and encourage the institute members to adopt working styles and evolve Research and Development programs.
- To take into account environment, occupational health and safety aspects in planning and decision making
- To encourage rural development programs and provide rural area with professional resource support from institute.



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Scope of the Policy: The Green Campus and Environment Policy will develop exciting new co-curricular and extracurricular practices that encourage students and staff to take the lead in creating positive change. These initiatives call for a thorough review of all infrastructural, administrative functions from the standpoints of energy efficiency, sustainability and the environment.

The focus areas of this policy are:

→ Clean Campus Initiatives

→ Landscaping Initiatives

→ Clean Air Initiatives

→ Infrastructure

- ◆ Solar Power Plant

- ◆ Installation of Energy Efficiency Equipment

- ◆ Water Conservation through Rainwater Harvesting System ◆

→ Waste Management processes

- ◆ Solid Waste Management

- ◆ Liquid Waste Management

- ◆ E-Waste Management

→ Awareness Initiatives

→ Environment-centric Student Societies and Department Activities

→ Green Audit

→ Energy Audit

→ Plastic-Free Campus

Clean Campus Initiatives

Great Ganges Institute of Technology had pledged to actively coordinate cleanliness activities in the college and beyond the campus in accordance with the vision of Swachh Bharat Abhiyan. It commits to continue with this Programme. The broad vision is as follows:

1. Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives. The idea is to motivate them to contribute in a proactive manner.
2. Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work being done by Green Warrior volunteers of the college.
3. Staff Members will be encouraged to participate in the cleanliness drive in the college campus.
4. Remove all kinds of waste material like broken furniture, unusable equipment etc.
5. Administer of the pledge by students and staff members to maintain cleanliness of the college campus and its surrounding areas on an annual basis.
6. Conduct workshops on the 3Rs: Reduce, reusing and recycling of waste.
7. Commit to manage waste and maintain clean campus especially during college event

Landscaping Initiatives

It is a vital part of the life of a campus, providing space for study, play, outdoor events, relaxation and aesthetic appreciation. Green campus landscapes also manage runoff, help recharge groundwater, and clean and cool the air on campus. The landscape serves as a visual representation of the campus community's commitment to sustainability. As campus landscapes are so visible and accessible, landscaping initiatives are a great way to build awareness around the environment.

There are more than 150 trees and more than 500 shrubs on campus along with 1 acre of grass cover. The landscape of trees and plants provide the 1000+ students and staff with clean and cool air and is a soothing environment.

The diverse green cover of Great Ganges Institute of Technology is also home to a number of animals and rare birds across at least 14 species, creating a campus rich in biodiversity. The college commits to enriching this healthy habitat and maintaining the symbiotic relation of the institution with nature by

- Organizing annual tree plantation drives
- Encouraging student clubs to hold tree planting events

Clean Air Initiatives

We encourage our students and staff to use public transportation. The entry of automobiles inside the campus is restricted to discourage the use of private vehicles. Our campus is also located rural part of Unnao. For this reason, we feel responsible to maintain our green cover. The abundant natural landscape cleans the air on campus.

Infrastructural Initiatives

◆ Renewable Sources of Energy

Great Ganges Institute of Technology is dedicated to minimize and sustainably manage its use of electricity. The college believes in reducing the consumption of electricity produced by non-renewable resources by switching to clean energy sources like solar energy for purposes like lighting the campus. Hence solar panels were installed on top roof of the college building.

Energy Saving and Energy Efficient Equipment

◆ We commit to install environment-friendly electrical appliances that save energy and reduce wasteful inefficiencies. The college believes in using cleaner energy such as LED lighting.

Waste Management Processes

Great Ganges Institute of Technology strives to have a minimal impact on the environment and is dedicated to reduce and manage the waste generated by the college campus. The following specific procedures will be undertaken to ensure Great Ganges Institute of Technology contribution in protecting the environment.

◆ Solid Waste Management

With its aim to provide holistic education that also has a positive impact on the environment, the college will adopt practices that will mitigate the generation, and manage solid waste through the following methods:

- o Systematically engage with the 3Rs of environment friendliness (Reduce, Reuse and Recycle).
- o Collect paper waste produced on campus and collaborate with scrap dealers for recycling.
- o Reduce solid waste by developing a technology-centric teaching and administrative model.
- o Reduce use of paper by supporting digitization of attendance and internal assessment records.
- o Reduce requirement of printed books by updating the e-books and e-journals collection of the college library.
- o Take initiatives to spread awareness amongst students about
 - Food wastage and ways of minimizing it
 - Minimizing the use of packaged food
 - The habit of reusing and recycling non-biodegradable products
 - Organizing workshops for students on solid waste management

Liquid Waste Management

- ◆ Maintain leak proof water fixtures.
- Minimize the use of water by constructing more Indian style toilets instead of western style toilets.
- Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, toilet flush etc.
- Reuse of wastewater generated by the Reverse Osmosis (RO) system in washrooms.

E-Waste Management

Great Ganges Institute of Technology ensures that its usage of technology and generation of e-waste does not impact the environment. For this purpose, the college plans to strive towards:

- More provisions for the disposal of the institutional e-waste
- Awareness amongst students about reduction of e-waste and environment friendly disposal practices for e-waste.
- Encouraging department and society level activities pertaining to e-waste management.

Awareness Initiatives

Outreach and education are of utmost importance so that all members of the campus community may value the objectives of the policy and aid in its implementation.

This is why Great Ganges Institute of Technology supports and encourages awareness campaigns, seminars, workshops, conferences and other interactive sessions to facilitate effective implementation of the Green Campus, Energy and Environment policies.

Environment-centric Student Clubs and Department Activities

Great Ganges Institute of Technology encourages all the departments and specific student societies like Green warriors, and others to organize events, competitions and training sessions that will bring about positive environmental changes at the grass root level. The college supports departments and student clubs in moulding the students into active agents of environment protection and conservation.

◆ Green Warriors

Institutional changes towards sustainability and eco-friendly practices have percolated down to the students which have led more and more students to join Green Warriors. Making the club a compulsory one will provide it a bigger platform to broadcast the institution's environmental values to raise awareness. This will aid the green initiatives and practices that are a part of this policy to grow exponentially.

