

Policy Documents on Environment and Energy

Introduction

The college is committed towards sustainability and its responsibility to minimize environmental impact. The policy also covers a range of issues, from sustainability initiatives to reducing greenhouse gas emissions and promoting energy efficiency on campus. It continuously helps in improving the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible. It strives hard to make the college a plastic free campus.

The focus areas of the policy

- Clean Campus Initiatives
- Landscaping Initiatives Infrastructure
- Rooftop Solar Plant
- Transition to renewable energy sources for campus operations
- Water Conservation through Rainwater Harvesting System
- Enhance water conservation efforts
- Waste Management processes
- Solid Waste Management
- Liquid Waste Management
- E-Waste Management
- Awareness Initiatives
- Energy Audit
- Plastic-Free Campus
- Educate the campus community about environmental sustainability

Objectives

- Promoting renewable energy by transforming the campus energy systems to rely predominantly on renewable sources like solar.

- Enhancing the energy efficiency by optimizing energy usage through upgrades to infrastructure, adoption of efficient technologies, and energy-conscious behaviors among the campus community.
- Develop and implement waste reduction, recycling, and composting programs to divert waste from landfills.
- Implement water-saving measures, reduce water waste, and promote the use of reclaimed or rain-harvested water for non-potable purposes.
- Protect and restore ecosystems by preserving green spaces, enhance biodiversity through native plantings, and support local wildlife habitats on and around campus.
- Engage and educate the community and raise awareness about energy and environmental issues through workshops, courses, and campaigns, empowering students, faculty, and staff to adopt sustainable practices.
- Conduct regular evaluations of energy usage and environmental initiatives, and transparently report progress to stakeholders.
- Collaborate with local governments, businesses, and NGOs to advance sustainability initiatives and share best practices.

Clean campus and Landscaping initiatives:

Organising awareness programme on cleanliness and hygiene amongst students and staff members. Activities like Swachhata Pakhwada and Swachh Bharat Abhiyan will be a key constituent and work will be done by NSS, NCC and the various clubs and forum. Staff members and students will be encouraged to participate in the cleanliness drive in the college campus. Competitions like poster making, slogan & essay writing, associated on themes connected with Swachhata Pakhwada and Swachh Bharat Abhiyan will be conducted in and around the college campus to create awareness. Saplings will be planted in and around the campus by promoting green campus. Maintain green spaces and plant native species and also support initiatives to protect local wildlife. Integrating Environmental studies in the curriculum.

Renewable Energy and Water Conservation

Retrofitting buildings with energy-efficient lighting and insulation, monitoring and reducing energy consumption in real-time. To organise energy conservation programme and

encourage energy-saving practices among students, faculty, and supporting staff. Installation of rooftop solar panel as renewable source of energy and to provide uninterrupted supply of energy within the campus by procuring electricity from renewable sources. Water is conserved in the campus by proper rain water harvesting method and it is recycled.

Waste Management

Liquid waste, solid waste, plastic waste, e-waste, food waste etc. will be minimized and disposed in a responsible manner without affecting the environment and aquatic ecosystem. The lab manual for the entire science department has been framed and published which includes the safety measures how to handle liquid waste in laboratories. Usage of plastic products is banned within the campus. Carbon neutrality is ensured by trees inside the campus for environmental sustainability. E- wastes are properly disposed for recycling through recycling vendors. There will be a general switch from CRT (cathode ray tube) monitors to LCD (liquid crystal display) flat panel display monitors which will be an initiative of the college to meet Kyoto protocol standards. The college minimizes the impacts of paper and use e-mail submission of assignments, conduction of online quiz is carried out. When necessary printing on both sides of paper is entertained. During examinations papers are carefully handled and students are well instructed to use papers economically. Recycling service throughout the campus by keeping separate bins for biodegradable and non-biodegradable wastes will be entertained. The fallen leaves/ twigs/ paper waste and other debris will be collected and composted with modern techniques (Composting/Vermicomposting/vermiwash). The buying of food products for college is purchased in the required quantities and waste from the hostel mess will be disposed properly and used in biogas plant

Regular audits of energy and environmental performance to be conducted in the college and annual sustainability reports will be published. The drafted policies will be adjusted based on progress and emerging challenges. The college strives for the reaffirm commitment to a sustainable future.

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