



11. ENVIRONMENTAL POLICY

ST. JOSEPH'S COLLEGE OF ENGINEERING AND TECHNOLOGY recognises the importance of environmental protection and we are committed to operating our environment responsibly in compliance with applicable standard requirements, environmental regulations and legislation specifically relating to the scope of the certification, but carrying out all services/ activities in environmentally responsible manner and by providing a safe working environment to all the staff and student community, and other interested parties.

It is our objective to operate with, and to maintain good relations with all regulatory bodies, and to carry out all measures reasonably practicable in order to continually improve our environmental performance.

We commit to:

- Assess and regularly re-assess the environmental effects of our equipment, processes and operations
- Adhere to all relevant regulations concerning waste and environmental well-being
- Ensure that all supplier and sub-contracted operations are in-line with this policy, and that they are aware of their respective responsibilities in the environment
- Train concerned staff in environmental issues and raise awareness and actively promote the establishment of a clean and healthy environment
- Minimise the production of waste and material wastage in all the processes.
- Minimise energy wastage by promoting the efficient use of energy, water and other resources.
- Reduce and/or limit the production of pollutants to water, land and air.
- All waste will be disposed of under controlled conditions when re-cycling and/or the re-use of the materials is not an available option.
- Minimise risk to the general public, staff, students and other interested parties.

Our commitment to the above environmental objectives is reinforced by our setting of measurable targets and objectives to reduce our environmental impact. We are regularly assessing our performance against these objectives.

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This policy is communicated to members of management, staff, students, suppliers and sub-contractors and is made available to any interested parties.

All personnel understand their obligations under this policy statement, and abide with the principals and contents of our Environmental Management System (EMS).

We will constantly monitor and review our environmental performance and this Environmental Policy Statement in order to ensure its continuing suitability, and will implement improvements whenever appropriate.

Our EMS Objectives and Targets:-

Objective	Targets
Increase energy efficiency.	Replace all incandescent lightbulbs and florescent tubes with LED bulbs and tubes by the end of 2024.
To attain sustainability in water resources	Install provision for water conservation including rainwater harvesting on the campus by 2025.
To attain a 100 % plastic waste-free and eco-friendly, campus by 2024.	Provide half yearly training and awareness program to college community, proper maintenance, and monitoring of waste management mechanisms.
To reduce carbon footprint in transportation.	Replace all old vehicles owned by the institute with less polluting new generation vehicles by 2025.
To reduce the use for non-sustainable goods and services.	By promoting replacement at the end-of-life, purchase, and usage of resource-efficient products.
Envision a Zero Carbon emission campus.	By installing solar power plants. Promoting usage of green energy.



15. ENERGY MANAGEMENT POLICY

Preamble

Energy is now a vital part of everyday life. With a population of 1.4 billion and one of the world's fastest-growing major economies, India will be a bulk consumer the global energy market. Based on current policies, India's energy demand could double by 2040, with electricity demand potentially tripling as a result of increased appliance ownership and cooling needs. (India 2020 – IEA Analysis-Energy Policy Review). As per the Environment Policy 2020 of AICTE, that sets long term goals for educational institutes to conserve natural environment, develop sustainable solutions and control energy consumption, an educational institution has to evolve programs and policies that turns the institute into a carbon-negative institute and promote in educating students and employees on environmental concerns and sustainability, be responsive to the emerging challenges in the Energy sector and Sustainable development of the State and Country. So, it is essential for the educational community to practice sustainable energy that will provide favourable effect on the eco-system.

The Energy Policy of the Institution will thus be effective in organizing structured programs to promote awareness on the proper management and conservation of energy those models resource efficient and low-carbon campuses that demonstrate practice for sustainability.

Energy Policy Statement

The SJCET energy policy articulates commitment of the Institution to the conservation of energy by defining energy management protocol for thermal and electrical energy systems of the institution, focusing on sustainable practices in reducing carbon footprint and other environmental impacts as per the norms of Energy Conservation and Management, for maintaining an eco-friendly green campus.

Instructions

- Always switch off the electrical devices and equipments when not in use to save electricity to reduce CO2 emission.
 - Monitor the performance of the Solar Power plants installed regularly.

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- Schedule and carryout preventive checkups and cleaning of solar panels for improved efficiency.
- Introduce power-conserving lights and equipments are installed to increase power saving.
- Switch off lights, fans, A/C, and all power-related items when not required.
- Turn off the computer CPU after the use.
- Ensure all the electrical devices and equipments in the office, classrooms, laboratories, etc. are switched off before closing and leaving the premises.
- Always source energy efficient and certified electrical equipments while purchasing or replacing electrical equipments.
- Provide appropriate training to the operators of machines and equipments to save electricity.
- Schedule and carryout preventive maintenance of all electrical equipments including; DG sets, water pumps, air conditioners, water coolers, lab machineries and equipments, etc.
- Ensure appropriate earthing for electrical circuits.
- Periodically check the electrical circuits and protective equipment's to ensure safety and to avoid power leakage.
- Generate energy from waste materials like biodegradable items.
- Reuse effluent water after proper treatment for conceiving natural resources.
- Conduct of awareness session by the NSS unit about energy management procedure among stake holders.

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PLASTIC-FREE CAMPUS POLICY

St. Joseph's College of Engineering and Technology, Palai, has decided to minimize the use of all kinds of plastic in the College campus from the academic year, 2019-20. This policy which comes into existence pertains to all the domains and activities of the College.

- a) The institution shall undertake a systematic campaign to reduce the usage plastic, especially of the single use plastic
- b) The use of single-use plastic items by the stakeholders is detrimental to the environment, public health, and welfare of the society
- c) The distribution of single-use plastic items require utilization of natural resources and results in the generation of greenhouse gas emissions,
- d) Single-use plastic items contribute to environmental problems, including litter in the landscape, drains, rivers, streams and the ocean.
- e) Single-use plastic items impose unseen costs on the stakeholders, local governments, the state, and environment and constitute a public nuisance.

St. Joseph's College of Engineering and Technology, Palai, therefore declares that it shall minimize the use of single-use plastic items, and also:

1. Minimize the use of single-use plastics in canteens, hostels and in all the premises of the College
2. Conduct awareness sessions, training programmes and workshops on the harmful impacts of single use plastics
3. Encourage students, faculty and administrators to avoid bringing non-bio degradable plastic items to the institution

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ST. JOSEPH'S
COLLEGE OF ENGINEERING
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4. Encourage students to sensitize their respective households about the harmful effects of plastic.
5. Mandate all departments/offices to minimize the use of plastic water bottles, encourage use of alternative solutions like jute files, paper folders, paper bags etc. for programmes, instead of plastic bottles, bags, covers and other goods on the campus.
6. The College shall make provisions to provide paper cups and disposable plates for serving food on the occasions of programmes organised by different clubs and associations.

Anne Mathew

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