Green Campus Management
Policy Statement

KPR Institute of Engineering and Technology (KPRIET) is committed to realize green campus status through sustainable and environment friendly practices

KPRIET undertakes to implement environment management system in the areas of energy, water, carbon offset and waste management

KPRIET strives to continuously monitor the practices and mitigate its impact on the environment.

KPRIET shall,

- ➢ create awareness on green and sustainable environment management among all campus users

- ➢ comply with environmental management standards and regulations

- ➢ promote water conservation through efficient water distribution and use

- ➢ augment renewable energy capacities to meet Institute's energy demands

- ➢ adapt energy efficient building design, constructional materials, electrical devices and appliances, and lighting

- ➢ implement reduce-reuse-recycle practices as an effective waste management

- ➢ increase green cover and landscaping to offset carbon emission

- ➢ adapt fuel efficient automobiles for transportation

- ➢ reduce usage of paper in academic and administrative processes

- ➢ foster campus sustainability through the digital campus initiatives.

KPRIET requires all its students, employees, vendors and stakeholders to always adhere to this policy.

Dr. M. Ramasamy
Principal
KPR Institute of Engineering and Technology

Policy Name:	Green Campus Management		Policy No.:	P1
With effect from:	26.08.2023	Last revised on:	Revision No.:	-

Responsible Person:	ISO/ EMS Coordinator	Contact Info.:	Email-ID: isoems@kpriet.ac.in
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Applies to:							
Faculty	✓	Students	✓	Alumni	✓	Parents	✓
Staff	✓	Visitors	✓	Vendors	✓	Employee	✓

Version History				
Version No.	Approved By	Revision Date	Description Of Change	Author

Policy Implementation Guidelines

Environment Management System

The Institute is ISO 14001:2015 certified which serves as the guiding principles for Environment Management.

Water Use Management

➤ RO (Reverse Osmosis) water is supplied for drinking purposes across the academic and residential blocks.

➤ The raw water received from external source L&T is distributed for domestic purposes except drinking.

➤ Wastewater collected from kitchen, canteen, bathroom, laundry and vessel washing are directly transferred through sewage pipelines to Sewage Treatment Plant (STP) for recycling and reuse.

➤ Wastewater is treated in STP by the following unit operations and processes: flocculation, sedimentation, activated sludge process and chlorination.

➤ The treated water from STP is distributed for gardening purposes after the quality checks.

➤ The water and wastewater are regularly monitored to check the quality for drinking and disposal as per state and national level pollution control regulatory framework.

➤ Water samples are collected and tested in laboratories once in 15 days by trained personnel.

- ➢ Quarterly internal water audit is conducted to monitor the water management.

- ➢ Special projects are given to students for developing different technologies to treat the wastewater and to conserve the fresh water.

- ➢ Smart water management through IoT based systems is implemented to manage water consumption effectively.

- ➢ Programmes related to water conservation and water management are organized for the occupants through clubs and departments.

Waste Management

- ➢ Segregation of waste is done at the source based on the organic and inorganic categories. Separate bins are provided across the campus for littering.

- ➢ The organic wastes are converted as manure through vermi-composting yards. The inorganic wastes are disposed to scrap yards by segregation through private agencies.

- ➢ All the solid wastes coming from the latrines are sent to biogas plant for decomposition process. The gas generated from the biogas plant is used for cooking purposes.

- ➢ Gardening leaves are used for composting process and Miyawaki as a natural manure for plants.

- ➢ Generated electronic wastes are disposed properly through the vendors once significant quantity is accumulated.

- ➢ Dispensers and incinerators are installed in the campus for safe disposal of sanitary napkin pads.

Energy Management

- Energy efficient electrical appliances and devices are used in the campus.

- Energy audit is performed annually to identify under-performing equipment and mitigations are initiated.

- Solar panels are installed in the campus and continuous effort is taken to augment the solar energy capacity.

- Wind energy is produced by the windmills operated by KPR Group of Companies and it supports KPRIET electricity needs in full.

- Energy efficiency is one of the criteria in building design and selection of construction materials.

- Regular inspections are made to check the fuel efficiency of all the vehicles owned and used by the Institute.

Green Cover Management

- Conscious efforts are made to continuously increase the green cover through tree plantations and landscaping.

- Regular awareness programs are organized to motivate the campus users on green cover management.

Digital Campus Initiatives

Efforts are being taken to digitalize the academic and administrative processes, and thus reduce the usage of paper.

Guidelines from Public Statutory and Non-Statutory Bodies/ Committees

- ➢ Water Policy and Action plan for India 2020

- ➢ Drinking water standards, IS 10500: 2012

- ➢ Energy Conservation Act, Bureau of Energy Efficiency, 2002.

- ➢ ISO 14001:2015 standard for Environmental Management System.