

VJEC/HR/151225

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Energy Policy for Vimal Jyothi Engineering College

Introduction:

Vimal Jyothi Engineering College recognizes the critical role of sustainable energy practices in mitigating climate change, reducing environmental impact, and ensuring long-term energy security. As an institution committed to environmental stewardship and responsible resource management, we hereby establish the Energy Policy for Vimal Jyothi Engineering College, emphasizing the importance of renewable energy sources, energy conservation measures, and sustainable practices.

Policy Objectives:

Promotion of Renewable Energy:

Increase the adoption of renewable energy sources, particularly solar power, to reduce dependence on fossil fuels and lower carbon emissions.

Install and maintain a 30KW capacity solar power plant on campus to harness clean and sustainable energy from the sun, contributing to the college's electricity needs.

Energy Conservation:

Implement energy-efficient technologies, equipment, and practices to minimize energy consumption across campus buildings, laboratories, and facilities.

Raise awareness among students, faculty, and staff about the importance of energy conservation and encourage the adoption of energy-saving habits and behaviours.

Rainwater Harvesting and Conservation:

Incorporate rainwater harvesting systems into campus infrastructure to capture and utilize rainwater for landscaping, irrigation, and non-potable water needs.

Implement water conservation measures, including the repair of leaks, installation of water-efficient fixtures, and promotion of responsible water usage throughout the campus.

Policy Implementation:

Solar Power Plant Installation:

Conduct feasibility studies and assessments to identify suitable locations for the installation of the 30KW capacity solar power plant on campus.

Collaborate with reputable vendors and solar energy experts to design, procure, and install the solar photovoltaic (PV) system in accordance with industry standards and regulations.

Implement a monitoring and maintenance program to ensure optimal performance, efficiency, and longevity of the solar power plant, including regular inspections, cleaning, and repairs as needed.

Energy Efficiency Measures:

Conduct energy audits to evaluate current energy usage patterns, identify inefficiencies, and prioritize areas for improvement.

Upgrade lighting systems to energy-efficient LED fixtures, install occupancy sensors, and implement daylight harvesting strategies to reduce electricity consumption for lighting.

Retrofit heating, ventilation, and air conditioning (HVAC) systems with energy-efficient models, optimize temperature settings, and implement scheduling and zoning controls to minimize energy wastage.

Rainwater Harvesting and Conservation:

Install rainwater harvesting infrastructure, including rooftop collection systems, storage tanks, and filtration units, to capture and store rainwater for campus use.

Integrate rainwater harvesting into landscape design and irrigation systems, utilizing harvested rainwater for watering gardens, lawns, and green spaces.

Educate the college community about the benefits of rainwater harvesting, water conservation techniques, and the importance of preserving freshwater resources for future generations.

Monitoring and Evaluation:

Establish a dedicated energy management committee tasked with overseeing the implementation of the Energy Policy, monitoring performance metrics, and evaluating the effectiveness of energy conservation and renewable energy initiatives. Regularly review and update the policy based on feedback, technological advancements, and changing sustainability goals to ensure continuous improvement and alignment with best practices in the field of energy management and environmental sustainability.




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VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI - 670632



VIMAL JYOTHI ENGINEERING COLLEGE

Affiliated to APJ Abdul Kalam Technological University. Approved by AICTE.
6 courses accredited by NBA. NAAC and ISO certified Institution.

Under the Archdiocese of Thalasseri

Policy Document on Environment and Energy Usage

Vimal Jyothi Engineering College is committed to manage energy to minimize its ill effects on the environment. Various steps and activities will be undertaken by the institution to manage Environment and Energy usage. The policy is binding for all the components of the institution and applies to all its participants and to the various activities undertaken by the institution. It will help us to implement efficiency and environmental awareness to conservation of natural resources and to limit its usage.

All the stakeholders are actively involved for the success of the policy. Go Green Club, 2 NSS units, IEE chapters, all department professional societies, faculty members and other employees will devote their time towards the cause of environment awareness, undertake green initiatives, conduct green literacy programmes to save energy and protect the environment.

Aim, Objectives, Actions and Activities of our policy are:

- To safeguard the college's ecological systems and natural resources.
- To reduce the use of paper in administration by the help of an E-governance policy.
- To continually enhance our contribution to resource conservation and environment protection.
- To consistently increase the effective use of all resources, including water and energy.
- To eliminate plastic from campus.
- To periodically undertake audits of the environment and energy use.
- To evaluate how much energy we use and how it affects the environment.
- To periodically calculate the amount of CO₂ emissions produced by our vehicles.
- To employ environmentally friendly vehicles, such as bicycles, public transportation, and pedestrian-friendly roadways, to lower local air pollution emissions.
- To put in additional solar photovoltaic panels for producing additional energy.
- To prioritise sensor-based lighting and LED bulbs throughout the campus.
- To upkeep the existing methodical waste management system.
- To upkeep the existing rainwater collection system.
- To organize drives for tree planting.
- To actively collaborate with local organizations in the fields of the environment, energy efficiency, and sustainable development.
- To keep track of new environmental and energy-related challenges and take action.
- To enhance the environmental knowledge and expertise of our staff and students in order to enhance our own environmental performance.
- To offer training opportunities and information on energy-saving techniques.
- To provide chances for workers and students to participate in projects that advance environmental protection.

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The Manager
The Bursar
All HOD's for implementation
Office Superintendent
The Maintenance Manager
All Notice Boards