

POLICY DOCUMENT

ON

ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES

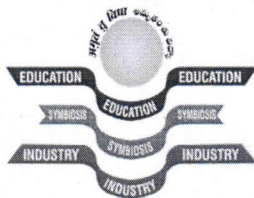
The Alternate Sources of Energy Policy of DVR & Dr. HS MIC College of technology, Kanchikacherla is made for proper implementation and efficient utilization of renewable energy sources in such a systematic way so as for minimizing its impact on the environment. Alternate Sources of Energy offer the opportunities for student's community to engage in initiatives for contributing to environmental protection. The policy implies to explore the effective implementation of renewable energy resources for various applications in the campus.

Objectives

- To utilize green energy
- Reduce CO₂ emission
- Conserve fossil fuel energy
- Minimize the air pollution
- Utilize the clean energy

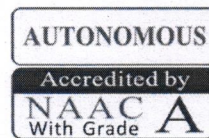
Policies

- Communicate the objectives of policy and action plan to staff and students.
- Install and utilize the renewable energy systems such as roof top solar photovoltaic panel for electricity generation and connecting the produced power to the grid etc., in a span of time.
- Transform the campus into a renewable energy campus.
- Educate students on fossil fuel pollution, depletion and need for energy conservation.
- Organize seminars and conference to provide an opportunity to understand and analyze the technology, recent developments, scope and feasibility of implementation in Indian context.
- Encourage students to carry out renewable energy projects and motivate entrepreneurship in manufacturing the system.
- To convert the existing LED street lights into solar operated street lights.
- Carry out an external audit through a renewable energy bodies.
- Students and staff members are informed through internal circulars, notifications and conducting the awareness programme about the importance of energy conservation.



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Features

The college management has taken following facilities in conserving the energy.

1. **Solar Energy** – Solar Panels are installed over the college building and Solar Water Heater has been installed at the Girls and Boys Hostel and the generated hot water is supplied for the utilization in hostel. Solar street lamping system has been installed.
2. **Sensor Based Energy Conservation**-Sensor based bulbs assist us in conserving energy. They work by turning on lights during night time and turning them off during day time. As a result, these bulbs help to save energy and money. The campus is equipped with sensor-based bulbs at various locations.
3. **Use of LED bulbs/power efficient equipment**-The CFL fittings with higher rating wattage are replaced with LED fittings with lower wattage with the same luminous level in street lights and other possible areas of campus. Energy star certified products are installed in air conditioners, microwave, refrigerators, ceiling fans and other in the campus

Maintenance Procedure

1. The solar water collector shall be properly cleaned by the removal of dust formation and it must be monitored by the estate office staff.
2. In the campus, all CFL bulbs will be replaced by LED in phased manner and it is maintained by the Estate Office.
3. Maintenance of energy efficient equipment such as air conditioners and refrigerators must be done periodically for the proper working of the system.

PRINCIPAL

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