



Swami Vivekanand Shikshan Prasarak Mandal's
Swami Vivekanand College of Nursing, Udgir

(Approved by Government of Maharashtra, Recognized by Indian Nursing Council, New Delhi and Maharashtra Nursing Council Mumbai)

Affiliated to Maharashtra University of Health Sciences, Nashik

Survery No. 184, Bodhan Nagar, Jalkot Road, Udgir - 413517 Dist. Latur

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Dr. Sudhir Jagtap (M.Sc. M.Phil, Ph.D.)
President

POLICY ON ENERGY CONSERVATION

PREAMBLE


These days, energy is essential to daily existence. India, a country of 1.4 billion people and one of the main economies rising at the quickest rate in the world, would be a significant consumer of energy in the global markets. By 2040, India's energy consumption would double based on existing *policy*, with electricity demand perhaps doubling due to rising appliance ownership and cooling requirements. (IEA Analysis-Energy Policy Review, India 2020). According to AICTE's Environment Policy 2020, which lays out long-term objectives for educational institutions to protect the environment, create sustainable solutions, and manage energy use, an educational institution must develop programs and policies that make it carbon-negative and encourage staff and students to learn about sustainability and environmental issues. It also needs to be adaptable to new challenges in the energy sector and the sustainable development of the state and nation. Therefore, using sustainable energy that has a positive impact on the ecosystem is crucial for the educational community.

As a result, the institution's energy policy will be useful in setting up planned activities to raise awareness of responsible energy management and conservation among those resource-efficient, low-carbon campus models that serve as examples of sustainable practices.

Features of the college:

1. SVCN's generator is rated at 11 KV.
2. Solar plant linked to the grid
3. Equipment for PF Improvement




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4. A solar plant and 100% power backup
5. Light fixtures using LEDs.
6. Skillful peak load control
7. Fix, reuse, and regularly maintain equipment to guarantee long-term durability.
8. Efficient upkeep with yearly maintenance. agreements to boost dependability.

1. The Energy Policy Declaration

By outlining an energy management protocol for the institution's thermal and electrical energy systems and emphasizing sustainable practices to reduce carbon footprints and other environmental impacts in accordance with energy conservation and management standards, the SVCN energy policy demonstrates the institution's commitment to energy conservation and upholds an environmentally friendly green campus.

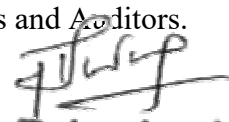
2. Objectives

Make optimum use of energy resources by using cutting-edge technology.

- Utilizing sustainable energy.
- Optimize the cost and consumption of energy.
- Recycle, Reuse, Reduce.
- Conduct regular internal energy audits to find areas for energy savings.
- Systematic oversight and remediation protocols overseen by the Institution Energy Audit/Management Cell to ensure efficient execution at departmental levels.
- Teach academic personnel, support staff, students, and housekeeping staff to become energy-efficient role models for the Institute.
- Encourage academic staff members to become Certified Energy Managers and Auditors.

Form relationships with industries and carry out a thorough energy audit.




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- Raise awareness about energy saving across different societal groups.
- Regularly review the policy.

3. Roles and Responsibilities

The following people make up the Energy Management Team: (i) the Principal; (ii) the NAAC Coordinators; (iii) the Criteria 7 Coordinators from all Departments; (iv) the Faculty with experience in energy auditing; (v) the Technical Staff; and (vi) the Advisory Team from partnerships such as EMC empanelled Audit Firms for Expert guidance.


The group must implement the action plan and guarantee that the energy resources are made accessible and used to their fullest potential.

4. Planning

Plan for Energy Optimization

1. Reorganizing the Energy Management Cell to include members from every department in order to carry out the energy management program effectively.
2. Frequent benchmarking and monitoring of waste production and resource use.
3. Keep an eye on and assess the energy performance standards.
4. Developing both short- and long-term objectives, as well as conservation tactics, to meet and exceed targets for a campus with zero carbon emissions.
5. Using equipment with star labels for energy efficiency.
6. Regular upkeep and switching to LED lighting fixtures for other lights.




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7. Upholding a sustainable approach via the effective use of current equipment until the end of its useful life and, where required, the replacement of it with newer, more efficient equipment.
8. Completely reduce electronic waste via appropriate maintenance before proceeding to the Replace & Recycle stage.
9. Making the most of daylight for natural ventilation and indoor lighting.
10. Fine-tuning water coolers and air conditioners to the ideal temperature.
11. Increase the campus's use of renewable energy.
12. Optimizing maximum demand with appropriate reactive power management
13. To raise awareness of energy consumption and its costs, encourage students to work on UG and PG projects on energy management, energy optimization strategies, and renewable energy harvesting.
14. Teach instructors and students about energy auditing and management.
15. Integrate industry-based project learning methodologies into the curriculum for courses on energy management and conservation.

5. How the Action Plan Works

The Energy Management Cell should establish clear protocols that adhere to the steps listed below.

- i. Develop an Energy Baseline Evaluation
- ii. Outline the Academic Year's Energy Agenda
- iv. Develop implementation protocols
- iv. Review: Observation and investigation.




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