



ESWAR COLLEGE OF ENGINEERING

(Approved by AICTE, & Affiliated to JNTUK, A.P.)

KESANUPALLI (V), NARASARAOPETA-522549, AP

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Policy Document On Environment and Energy Usage



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Eswar College of Engineering is committed to managing energy systematically to minimize environmental impact. This policy aims to explore renewable energy resources, reduce the burden on government energy supplies, and seek alternative solutions to the energy crisis. It applies to all components of the institution, including stakeholders and activities undertaken by the college. Through this policy, the institution aims to embed efficiency and environmental awareness into everyday activities, fulfilling its responsibilities and commitment to conserving natural resources and limiting their usage.

Understanding that the environment is fundamental to life, its conservation is an essential aspect of education. Future technologies must emphasize the interdependence between technology and nature. Proper environmental management is crucial for sustainable development, and this policy aligns with the United Nations' Sustainable Development Goals 2030, recognizing that environmental protection is a part of the institution's social responsibility for the survival of humanity.

This policy document clearly outlines the institution's approach to environmental protection, which will be ensured through regular environmental audits. Defined by the ICC, these audits are systematic, documented, periodic, and objective evaluations of how well environmental organization, management, and equipment are performing, with the aim of safeguarding the environment and natural resources in the institution's operations and dissemination of knowledge.

Policy statement

Eswar College of Engineering is committed to protecting the environment by maintaining a green, eco-friendly campus and raising awareness among its stakeholders, both as individuals and as members of society. This dedication aims to contribute to making the Earth, our shared home, a comfortable place for future generations.

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Objectives:

- Promoting & benchmarking for environmental protection initiatives
- To encourage projects on environmental assessment
- To impart awareness about green clean campus
- To initiate sustainability practices in the campus and among stakeholders
- To maintain and monitor the sustainability and eco-friendly initiatives (clean fuel, renewable resources etc.)
- Reduction in resource use.
- Financial savings through a reduction in resource use
- Curriculum enrichment through practical experience
- Development of ownership, personal and social responsibility for Eswar College of Engineering campus and its environment
- Enhancement/updating of Institution profile
- Developing an environmental ethic and value systems in young people
- Conduct audits for recommendations and continuous improvement
- Teach sustainable development across all disciplines of study,
- Encourage research and dissemination of sustainable development knowledge,
- Green campuses and support local sustainability efforts, and
- Engage and share information with international networks.
- Introduce carbon neutrality measures.

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Policies:

This is a comprehensive list of actions to support Eswar college of Engineering's Environment and Energy usage Policy. These points cover various aspects of sustainability, including:

I. Environmental Assessment and Reduction

1. Assess energy usage and measure environmental impact
2. Reduce local air pollution using eco-friendly vehicles, bicycles, public transport, and pedestrian-friendly roads
3. Install solar panels for alternate energy generation
5. Install LED bulbs campus-wide to save energy

II. Waste Management and Conservation

1. Develop systematic waste management mechanisms
2. Develop rainwater harvesting units
3. Undertake tree plantation drives

III. Continuous Improvement

1. Take additional measures to improve energy consumption
2. Ensure necessary resources for achieving objectives

IV. Technology and Stakeholder Engagement

1. Encourage advanced technology use to minimize energy consumption, emissions, and noise
2. Engage with government agencies, municipal corporations, affiliating universities, and local organizations for environmental protection, energy efficiency, and sustainable development

V. Monitoring and Response

1. Monitor and respond to emerging environmental and energy issues

VI. Education and Training

1. Strengthen employees' and students' environmental knowledge and skills
2. Provide information and training on energy-saving measures
3. Offer opportunities for environmental protection initiatives


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The Environment and Energy Policy will be communicated to students and faculty members through internal channels and made available on the institutional website for all stakeholders. The policy, objectives, and targets will be reviewed regularly to assigned faculty members, and the Principal to assess progress, identify areas for improvement, and ensure the policy remains effective in promoting environmental sustainability and energy efficiency. This review process will occur at least annually, allowing the institution to stay committed to continuous improvement and environmental stewardship.

Action plan

1. Observation of various days of importance ozone day, environment day, earth day etc.
2. Conduct awareness campaign on pollution and preventive measures
3. Conduct regular green/environment audit and follow up corrective measures
4. Ensure regular follow up and updates for clean campus practices like proper waste disposal, e-waste campaigning among stakeholders, rain water harvesting and monitoring judicious water usage
5. Activities encouraging recycling, reuse, repair and refurbishing etc
6. Conduct invited talk (department/college level on various updates policies and various dimensions of environment studies)


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