SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution | Approved by AICTE | Affiliated to Anna University | Accredited by NAAC with A++ Grade
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POLICY DOCUMENT

POLICY ON ENERGY-EFFICIENT RENOVATION AND BUILDING

7.2.1 ENERGY-EFFICIENT RENOVATION AND BUILDING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ENERGY AUDIT CELL

Sri Krishna College of Engineering and Technology (SKCET) is grateful to spearhead the implementation of Renewable Energy initiatives within our campus. This transition towards Renewable energy holds significant advantages, as it serves to protect the environment along with fostering the energy independently and curtails our relies on conventional power sources.

The synergistic approach of embracing renewable energy y solutions in conjunction with conventional energy through energy audits formulate a robust strategy towards sustainable non-polluted energy in future. It empowers to diminish our carbon footprint in our campus, to enhance efficient energy cultivation, and concurrently elated the growth of energy sector with environmental and economic benefits throughout our campus.

SCOPE OF THE CELL

SKCET's primary objective to support for sustainable renewable energy sources in fostering socio-economic development through energy audit cell. The institution is persistently committed to minimize the energy wastage through various schemes within our campus.

Our institution diligently educates the staffs and students about the critical importance of energy conservation in our campus. We also endeavor to raise awareness among public and actively engaging with the user community people in operating and managing renewable energy projects in all scope of their lives, also promoting innovative concepts for real-time implementation.

We actively instill energy conservation practices, such as automating lighting systems to facilitate efficient On/Off system automatically. We emphasize the individual responsibility for switching off lights and equipment when they are not in use, in a bid to conserve energy.



OBJECTIVE OF THE CELL

- To enhance energy efficiency and awareness of conservation policies, reducing costs and environmental impact.
- To promote practices towards sustainable energy among students and staff.
- To use an Android based Mobile Application for continuous monitoring to encourage responsible behavior on individuals.
- To implement renewable energy trends among the campus and to reduce fossil fuel-based power production in our campus.
- To cultivate a culture of continuous innovation for long-term sustainability and environmental stewardship.
- To conduct regular energy audits to reduce consumption.

GUIDELINES AND PROCEDURES

The Energy Audit Cell (EAC) associated with the Institutional National Service Scheme (NSS), involving department coordinators, faculty, and students for outreach activities in schools and rural areas.

To fulfill our objectives and carry out community outreach, we adhere to the following policy guidelines for effective energy management:

• Prioritize ecological responsibility, with a focus on garden preservation.



• Embrace Renewable Energy, particularly solar power and solar water heating.

• Conduct energy audits to evaluate electricity usage in various installations.

• Invest in Energy Star-rated appliances, including LED lights, computers with LED monitors, and automated lighting systems.

• Maintain an user-friendly sustainability website with tips, links, and recommendations aligned with policy goals.

• Implement energy conservation measures to realize cost savings.

• Engage students in outreach activities to instill the importance of energy-saving methods for the benefit of future generations.

STANDARD OF PRACTICE (SOP)

1. Minimize the excessive electrical appliance usage during peak load conditions and emphasize energy reuse and recycling.
2. Replace malfunctioning equipment with more energy-efficient alternatives.
3. Explore energy-saving solutions like using inverters in main buildings.
4. Avoid using portable heating and cooling devices unnecessarily.
5. Harness cost-effective alternative energy sources, such as solar PV systems.
6. Conduct regular energy audits and submit relevant documents for potential energy-saving measures.
7. Set printers, computers, and electronic devices to enter "POWER SAVING MODE" after 15 minutes of inactivity whenever possible.
8. Promote the habit of turning off lights and fans when they're not in use.
9. Unplug all plug-in devices, like laptop chargers and mobile phone chargers, when they are not in use.
10. Encourage the use of natural daylight whenever feasible.
11. Reduce monthly energy costs through:
    a. Lowering energy consumption and losses to enhance energy efficiency.
    b. Expanding the utilization of renewable energy resources.



c. Prioritizing renewable energy systems in buildings.

d. Displaying energy conservation articles on notice boards and energy-saving slogans in classrooms to raise awareness among students about effective power utilization.

Website: https://skcet.ac.in/the-impact-rankings-2026/sdg-7-affordable-and-clean-energy/

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Note:

This Policy is approved in the **14th** Governing Body Meeting held on **12.12.2023**