

Office of Dean of Sustainability
Thapar Institute of Engineering & Technology
(Deemed to be University)
Patiala – 147004 INDIA

Policy Statement

TIET is dedicated to minimizing its environmental footprint by actively pursuing energy efficiency and sustainability. Our commitment includes using clean and renewable energy sources, surpassing standard energy efficiency practices, and fostering a culture of responsible energy use within our academic community.

Core Objectives

1. Reduce energy usage and operational costs while minimizing greenhouse gas emissions.
2. Engage students, faculty, and staff in energy-saving initiatives through education and active participation.
3. Implement energy audits and efficiency improvement strategies periodically.

Scope

This policy applies to all TIET campuses, facilities, and community members, encompassing both existing and new buildings, campus transport, procurement, and maintenance.

Specific Measures

1. Building Operations

- Ensure doors and windows are closed in climate-controlled areas.
- Power down idle electronic devices and enable power management settings on computers.
- Follow design and operational standards that meet or exceed local energy codes.

2. New and Renovated Buildings

- Incorporate sustainable design principles and lifecycle costing.
 - Connect new buildings to a central energy management system and consider renewable energy sources like solar and biomass.
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- Install utility metering systems to monitor and manage energy use effectively.

3. Cooling Specifications

- Maintain ideal temperatures in air-conditioned spaces and monitor for energy-saving adjustments.
- Utilize standalone dehumidifiers to reduce cooling loads where feasible.

4. Transportation

- Encourage the use of public transit, cycling, and electric vehicles.
- Prioritize energy-efficient vehicles for campus fleets.

5. Procurement

- Select energy-efficient and recyclable products where possible to support sustainable operations.

6. Maintenance

- Conduct regular maintenance to preserve the efficiency of energy-consuming systems.
- Integrate conservation measures in routine operations.

7. Lighting

- Encourage the use of energy-efficient lighting (LED) and maximize natural lighting.
- Integrate lighting control systems into the campus-wide energy management platform.

8. Training and Monitoring

- Provide training to enhance energy-saving skills.
- Regularly monitor energy usage via meter readings to track and optimize conservation efforts.

Commitment to Sustainable Development

The Thapar Institute of Engineering and Technology is committed to sustainable development in all its activities and processes. To accomplish this, we will make continuous efforts to improve our energy performance by maintaining operational goals and providing an acceptable working and living environment for staff and students through efficient management of energy utilization.

Our endeavor towards this goal will be as follows:

- Comply with all statutory laws, rules, and regulations.

- Minimize energy and water use.
- Minimize environmental impact of harmful emissions.
- Reduce energy consumption by identifying and implementing energy conservation measures and incorporating energy-efficient technologies and equipment.
- Conduct energy reviews to set objectives and target energy conservation.
- Monitor, control, report, and carry out benchmarking studies regularly to achieve higher performance.
- Raise awareness in energy conservation by providing training through workshops and seminars to all employees, students, contractors, and service providers.
- This policy shall apply to all facilities, academic areas, and employees.

Conclusion

TIET remains committed to advancing energy conservation across all levels of operation and encouraging responsible energy practices among its community.