



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi

NAAC Accredited with A+ Grade,

NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA.



ENERGY EFFICIENT RENOVATION AND BUILDING POLICY

Policy Number : MITS_MPL/SDG/EERBP-2024/04

Effective Date : September 2024

Review Date : September 2026

SDG Mapping:

SDG 7 – Affordable and clean energy

1. Policy Statement

MITS college, Madanapalle has a policy for “energy-efficient renovation and building” practices, emphasizing sustainability and environmental responsibility in tune with Andhra Pradesh Conservation Building Code (APCB) standards, with the installation of energy – efficient LED lighting systems as a crucial part.

2. Purpose

- To ensure that all renovations or new builds are following energy efficiency standards
- To align institutional practices with **UN SDG 7.2.1 – Affordable and clean energy (Energy efficient renovation and building policy)**.

3. Scope

This policy applies to:

- All buildings in the campus and open area in the college.

4. Definitions

- **Energy-efficient renovation and building** refers to practices that minimize energy consumption while maintaining or improving building functionality and comfort. This includes improving the building's thermal envelope (walls, roof, windows), upgrading HVAC systems, and potentially



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi

NAAC Accredited with A+ Grade,

NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA.



incorporating renewable energy sources.

- **HVAC** refers to heating, ventilation, and air conditioning systems.

5. Policy Provisions

1. MITS, Madanapalle is committed to maintain energy efficient buildings, in tune with Andhra Pradesh Conservation Building Code (APCB) standards.
2. All the rooms are ventilated good enough for air circulation and natural sunlight. The green garden that surrounds the buildings ensures that the rooms are cool with no need for air-conditioning.
3. Wherever air-conditioning is needed, such as in computer labs, the institute is upgrading them with energy efficient ones.
4. All the lighting systems are based upon Light Emitting Diode (LED) lamps.
5. As on date, a total of 478 modules of solar energy panels, each with 315W, are installed on roof tops.
6. Signboards emphasising to save electricity by switching off the fans, lights and any other electrical appliance when not in use are displayed in all rooms.
7. Utilization of devices that turn off power automatically when not in use.
8. Turn off lights and equipment in common areas at the end of the work day and over the weekend.
9. Use task lighting and day lighting for office work wherever possible.
10. Minimize interior and exterior decorative lighting.
11. Utilize in-board and out-board switching for lighting fixtures.
12. Awareness campaigns on the importance of energy conservation are being conducted periodically through NSS.

6. Implementation & Monitoring

Cells/Departments Responsible	Responsibility
Site office Department of Civil Engineering EEE Department Horticulture Security personnel	Policy enforcement and awareness drives



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi

NAAC Accredited with A+ Grade,

NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA.



NSS Unit	Conducting sensitization campaigns on energy conservation.

7. Awareness & Training

Observe “Energy Conservation Day” on either 14th December (National) or 21st October (International) of every year.

8. Review and Amendments

This policy will be reviewed every **two years** by the cells responsible for policy enforcement and awareness drives mentioned in S.no. 6. The policy will also be reviewed earlier if necessitated by government guidelines or institutional needs.

Prepared by


SDG Coordinator
Dr. K. R. Govardhan

Approved by


Principal
PRINCIPAL
Madanapalle Institute of
Technology & Science
MADANAPALLE