

University : MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS).
Country : India
Web Address : www.mits.ac.in

[2] Energy and Climate Change (EC)

[2.1] Energy Efficient Appliances Usage (EC.1)





Example of Energy Efficient Appliances Usage: Solar absorption and Air Conditioning system

MITS, Madanapalle actively promotes energy conservation by integrating energy-efficient appliances and sustainable technologies throughout the campus. The use of LED lamps, energy-efficient computers, star-rated air conditioners, solar power installations, and efficient air-conditioning systems helps minimize energy consumption while maintaining occupant comfort and operational efficiency. These initiatives contribute to reduced electricity usage, lower carbon emissions, and enhanced environmental sustainability. Through the adoption of such energy-efficient technologies, the institution demonstrates its commitment to resource conservation, sustainable development, and responsible energy management practices.

Example:

Appliance	Total Number	Total number energy Efficient appliances	Percentage
Lamps	2406	2377	98.7%
Air Conditioners	216	216	100%
Energy Efficient Computers and Monitors	2220	2220	100%
		Average Percentage	99.6%

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[2] Energy and Climate Change (EC)

[2.3] Smart Building Implementation (EC.2)

*Min. at least five requirements for each building

N o.	Name	Place	automation		safety				energy		water		Indoor environment				lighting				Building Area (m ²)
			B1	B2	S1	S2	S3	S4	E1	E2	A1	A2	I1	I2	I3	I4	L1	L2	L3	L4	
1	Lakshmi Block	Madanapalle, India			x	x	x	x	x				x	x	x		x			x	8938
2	Saraswathi Block	Madanapalle, India			x	x	x	x	x				x	x	x		x			x	8880
3	Shiva Block	Madanapalle, India			x	x	x	x	x				x	x	x		x			x	2403
4	Sreenivasa Block	Madanapalle, India			x	x	x	x	x				x	x	x		x			x	8723
5	Vinayaka Block	Madanapalle, India			x	x	x	x	x				x	x	x		x			x	2340
6	Krishna Kumar Block	Madanapalle, India			x	x	x	x	x				x	x	x		x			x	4284
7	Nadella Peddappa Naidu Block	Madanapalle, India			x	x	x	x	x				x	x	x		x			x	3502
Total																					39,070

————— Please compile one row for each building (or homogeneous part of it) by ticking with a “X” for each requirement —————

Smart building implementation

$$\frac{\text{total smart building area}}{\text{total building area}} \times 100\%$$

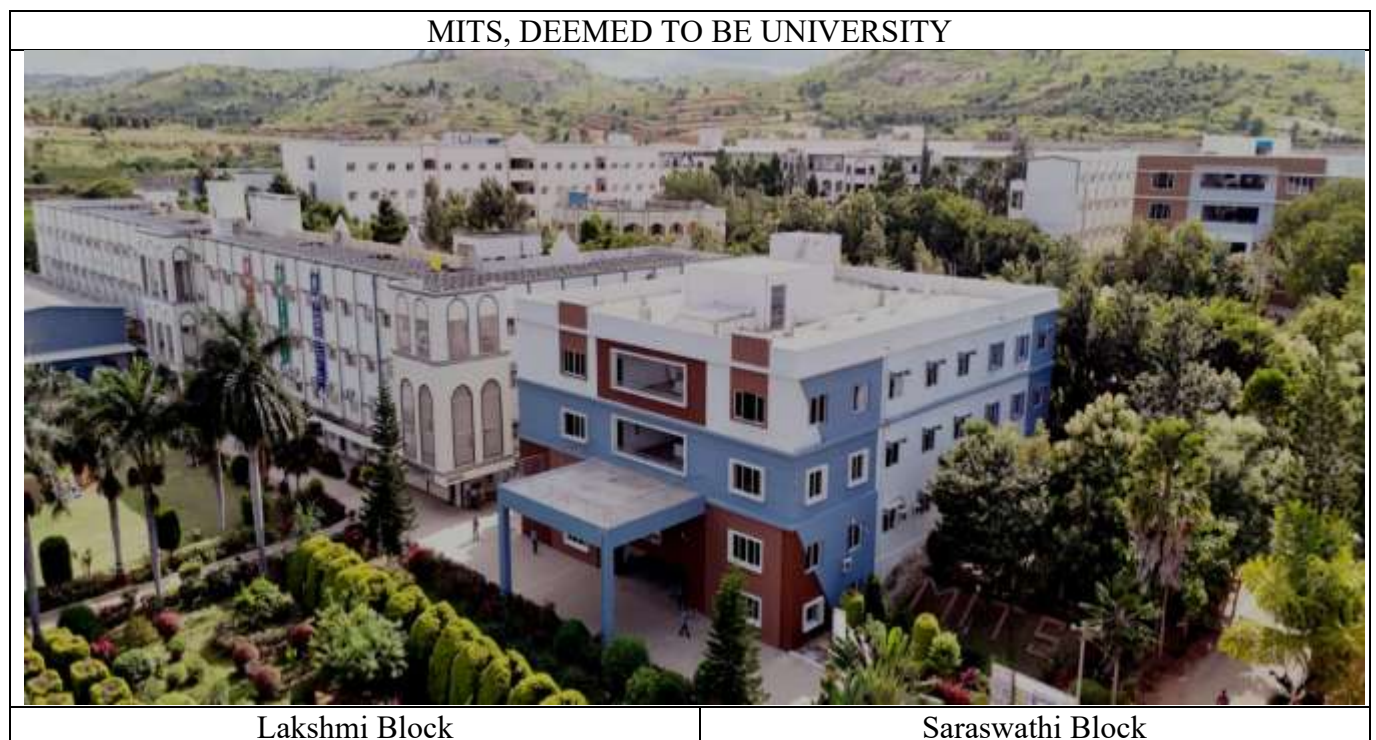
Note: One building could be classified as a smart building if it has a minimum of 5 features. Please add the total smart building area from buildings which are classified as smart buildings.

The table presents the evaluation of seven academic buildings located in Madanapalle Institute of Technology & Science, Madanapalle, India, namely Lakshmi Block, Saraswathi Block, Shiva Block, Sreenivasa Block, Vinayaka Block, Krishna Kumar Block, and Nadella Peddappa Naidu Block. The assessment is carried out based on six major smart-building domains: Automation, Safety, Energy, Water, Indoor Environment, and Lighting. Each domain is represented by a set of specific indicators used to evaluate the availability of smart and sustainable building features.

The specific indicators considered in the assessment are:

- Automation: B1 (Building Management System), B2 (Automated Monitoring and Control)
- Safety: S1 (Fire Detection and Alarm System), S2 (Emergency Response System), S3 (Access Control and Security), S4 (Surveillance and Monitoring System)
- Energy: E1 (Energy Monitoring), E2 (Energy Optimization and Management)
- Water: A1 (Water Consumption Monitoring), A2 (Water Conservation and Leak Detection)
- Indoor Environment: I1 (Temperature Control), I2 (Air Quality Monitoring), I3 (Ventilation Management), I4 (Occupant Comfort Assessment)
- Lighting: L1 (Automatic Lighting Control), L2 (Daylight Utilization), L3 (Occupancy-Based Lighting Control), L4 (Energy-Efficient Lighting Systems)

The presence of a particular feature is indicated by an “×” mark. The results show that all seven buildings satisfy the safety indicators (S1–S4), energy monitoring indicator (E1), indoor environment indicators (I1–I3), and lighting indicators (L2 and L4). The building areas range from 2,340 m² to 8,938 m², with a total assessed floor area of 39,070 m². The findings indicate that the buildings possess basic safety, environmental, and lighting provisions but have significant scope for improvement in automation, water management, and advanced energy-efficiency technologies.





Shiva Block



Sreenivasa Block



Vinayaka Block



Krishna Kumar Block



Nadella Peddappa Naidu Block



Central Library



Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):
[Madanapalle Institute of Technology & Science | Deemed to be University](http://www.mits.ac.in)

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[2] Energy and Climate Change (EC)

[2.5] Renewable Energy Sources in Campus



250 kW rooftop solar PV system on Saraswathi Block.



150 kW rooftop solar PV system on Lakshmi Block



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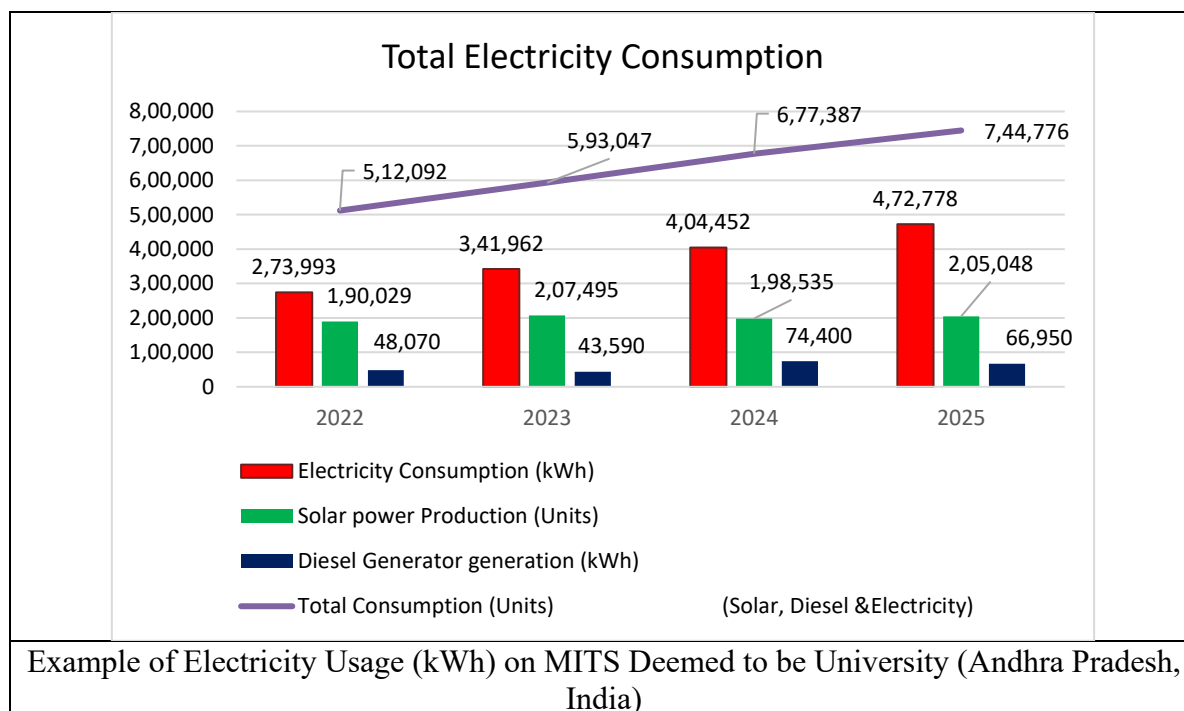


1. MITS Deemed to be University has strengthened its commitment to sustainable energy through the installation of rooftop solar photovoltaic (PV) power plants on Lakshmi Block and Saraswathi Block.
2. The Lakshmi Block is equipped with a 150 kW rooftop solar PV system, which generates clean and renewable electricity for campus operations.
3. To further enhance its green energy infrastructure, the University has recently commissioned a 250 kW rooftop solar PV system on the Saraswathi Block.
4. With these installations, the total rooftop solar power generation capacity of the University has reached 400 kW.
5. The solar power systems help reduce dependence on conventional electricity sources and promote the use of renewable energy.
6. These installations contribute significantly to reducing greenhouse gas emissions and the University's carbon footprint.
7. The generated solar energy supports the University's efforts toward energy conservation, sustainability, and environmental stewardship.
8. The rooftop solar projects align with national initiatives promoting clean energy adoption and sustainable development.
9. The solar plants also provide valuable opportunities for students and researchers to study renewable energy technologies and their practical applications.
10. Through the successful implementation of the 150 kW and 250 kW rooftop solar projects, MITS Deemed to be University continues to demonstrate its commitment to building a sustainable and environmentally responsible campus.

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[2] Energy and Climate Change (EC)

[2.6] Electricity Usage per Year (in Kilowatt hour)



The bar chart presents the electricity consumption and power generation data from 2022 to 2025. Total energy consumption increased steadily from **5,12,092 units** in 2022 to **7,44,776 units** in 2025. Grid electricity consumption showed a continuous rise, increasing from **2,73,993 kWh** in 2022 to **4,72,778 kWh** in 2025. Solar power generation remained a major contributor, ranging between **1.9 lakh and 2.07 lakh units** during the period. Diesel generator generation contributed the least among all sources. DG generation increased from **48,070 kWh** in 2022 to **66,950 kWh** in 2025, with a peak of **74,400 kWh** in 2024. The overall trend indicates growing energy demand over the years. Increased solar power generation reflects the adoption of renewable energy sources. The relatively lower DG usage suggests reduced dependence on conventional backup power. Overall, the chart highlights a balanced energy mix supporting the increasing electricity requirements.



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[2] Energy and Climate Change (EC)

[2.8] ratio of renewable energy production divided by total energy usage per year (EC.5)

250 kW rooftop solar PV system on Saraswathi Block. 150 kW rooftop solar PV system on Lakshmi Block

1. MITS Deemed to be University has strengthened its commitment to sustainable energy through the installation of rooftop solar photovoltaic (PV) power plants on Lakshmi Block and Saraswathi Block.
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8. The rooftop solar projects align with national initiatives promoting clean energy adoption and sustainable development.
9. The solar plants also provide valuable opportunities for students and researchers to study renewable energy technologies and their practical applications.
10. Through the successful implementation of the 150 kW and 250 kW rooftop solar projects, MITS Deemed to be University continues to demonstrate its commitment to building a sustainable and environmentally responsible campus.

No	Renewable Energy	Production (in kWh)
1	Solar panel	2,05 048

Total 2,05 048

Total Energy Consumption/ year=7,44,776 kWh

Solar Production =2,05 048 kWh

Ratio of renewable energy production = $205048 / 7,44,776 = 27.5 \%$

Figure presents the monthly electricity consumption and solar power production from 2022 to 2025. Electricity consumption exhibits seasonal variations and an overall increasing trend, with peak demand



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exceeding 58,000 kWh during certain months of 2025. Solar power production remains relatively stable throughout the study period, generally ranging between 9,000 kWh and 21,000 kWh per month. The solar PV system consistently offsets a portion of the electricity demand, thereby reducing grid dependency and contributing to lower carbon emissions. The observed growth in electricity consumption may be attributed to the expansion of academic, research, and administrative activities, while the sustained solar energy generation highlights the effectiveness of the institution's renewable energy infrastructure in supporting its sustainability objectives.



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[2] Energy and Climate Change (EC)

[2.9] Elements of Green Building Implementation as Reflected in All Buildings (EC.6)

6/24/26, 1:16 PM

Mail - Planning Approvals Accreditations Rankings & Certifications - Outlook

Outlook

RE: MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS) DEEMED TO BE UNIVERSITY - POC CONFORMATION REG;

From: Kumar, N <NV.kumar@tuvsud.com>

Date: Tue 6/16/2026 2:23 PM

To: Planning Approvals Accreditations Rankings & Certifications <paarc@mits.ac.in>

Cc: Registrar <registrar@mits.ac.in>; Vice Chancellor - MITS <vicechancellor@mits.ac.in>; IQAC Coordinator <iqac-coordinator@mits.ac.in>; Chalapati, G <GV.Chalapati@tuvsud.com>

3 attachments (411 KB)

TSSA_MS_124 Audit Report - Stage 1 (ISO 50003_2021).docx; Single-Site Print Order Certificate Final.docx; Audit Plan Stage1.docx

Dear Sir,

Greetings, Thanks for the courtesy, hospitality and support given to me during the ISO 5001: 2018 EnMS stage 1 audit

Please find attached the following documents

1. Updated Stage 1 audit plan
2. Audit report stage 1 with the Areas of Concerns
3. Updated POC
4. Annex 2 Audit report

Please do send the finalized scope statement based on the management conformation as soon as possible

Do send us the action plan for this by 26th June '26 subsequently you can submit the evidence before 1st July '26

As discussed, we are scheduling the certification audit from 24-28th Aug '26

Look forward meeting you during certification audit

Should you have any further queries please feel free to contact us

Have a nice day

Sincerely,

N.VISHNUKUMAR

Deputy General Manager
 Product Compliance Manager-BCMS

Business Assurance

Phone: +91 422 4389998
 Mobile: +91 98409 26590
 Email: nv.kumar@tuvsud.com

6/24/26, 1:15 PM

Mail - Planning Approvals Accreditations Rankings & Certifications - Outlook



Stage 1 audit action list & POC -ISO 14001:2015

From: Chalapati, G <GV.Chalapati@tuv sud.com>

Date: Thu 6/18/2026 5:24 AM

To: Planning Approvals Accreditations Rankings & Certifications <paarc@mits.ac.in>

Cc: Registrar <registrar@mits.ac.in>; Vice Chancellor - MITS <vicechancellor@mits.ac.in>; IQAC Coordinator <iqac-coordinator@mits.ac.in>; Kumar, N <NV.kumar@tuv sud.com>

2 attachments (286 KB)

14K Single Site Print Order Certificate.docx; Audit Action List Stage 1 14k.docx

Dear Sir,
Greetings from TUV SUD !
Thanks for the hospitality and support given during the audit .
Please find attached the stage 1 audit action list -ISO 14001:2015 and POC for address and scope confirmation
In action list kindly fillup the intended action plan , responsibility ,due date and send back at the earliest with evidence of closure.
Kindly check address and scope in POC and any correction required let us know.
Should you have any queries please feel free to contact me.

Kind Regards,
G.V.Chalapati
Lead Auditor - Management Systems
Mobile : +91 9866000708
Board: +91 040 45594188 040 45594189
Email : GV.Chalapati@tuv sud.com
<https://www.tuv sud.com/en-in>



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GBI Non-Residential Existing Building	Lakshmi Block	Saraswati Block	Shiva Block	Sreenivas Block	Vinayaka Block	Krishna Kumar Block	Nadella Peddappa Naidu Block
---------------------------------------	---------------	-----------------	-------------	-----------------	----------------	---------------------	------------------------------

Element 1. Energy Efficiency	V	V	V	V	V	V	V
Design & Performance							
Minimum EE Performance							
Lighting Zoning							
Electrical Sub-metering	V	V	V	V	V	V	V
Renewable Energy	V	V	V	V	V	V	V
Advanced or Improved EE Performance - BEI							
Commissioning							
Enhanced or Re-commissioning							
On-going Post Occupancy Commissioning							
Monitoring, Improvement & Maintenance							
EE Monitoring & Improvement	V	V	V	V	V	V	V
Sustainable Maintenance	V	V	V	V	V	V	V
Element 2. Indoor Environmental Quality	V	V	V	V	V	V	V
Air Quality	V	V	V	V	V	V	V
Minimum IAQ Performance	V	V	V	V	V	V	V
Environmental Tobacco Smoke (ETS) Control							
Carbon Dioxide Monitoring and Control	V	V	V	V	V	V	V
Indoor Air Pollutants							
Mould Prevention							
Thermal Comfort							
Thermal Comfort: Controllability of Systems							



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Air Change Effectiveness							
Lighting, Visual & Acoustic Comfort							
Daylighting	V	V	V	V	V	V	V
Daylight Glare Control	V	V	V	V	V	V	V
Electric Lighting Levels	V	V	V	V	V	V	V
High Frequency Ballasts							
External Views	V	V	V	V	V	V	V
Internal Noise Levels							
Verification							
IAQ Before/During Occupancy							
Occupancy Comfort Survey: Verification							
Element 3. Sustainable Site Planning & Management	V	V	V	V	V	V	V
Facility Management	V	V	V	V	V	V	V
GBI Rated Design & Construction							
Building Exterior Management							
Integrated Pest Management, Erosion Control & Landscape Management							
Transportation							
Green Vehicle Priority - Low Emitting & Fuel Efficient Vehicles	V	V	V	V	V	V	V
Parking Capacity							
Reduce Heat Island Effect							
Greenery & Roof	V	V	V	V	V	V	V
Building User Manual							
Element 4. Materials & Resources	V	V	V	V	V	V	V

Reused & Recycled Materials	V	V	V	V	V	V	V
Materials Reuse and Selection							
Recycled Content Materials							
Sustainable Materials & Resources and Policy							
Sustainable Timber							
Sustainable Purchasing Policy	V	V	V	V	V	V	V
Waste Management	V	V	V	V	V	V	V
Storage, Collection & Disposal of Recyclables	V	V	V	V	V	V	
Green Products							
Refrigerants & Clean Agents							
Element 5. Water Efficiency	V	V	V	V	V	V	V
Water Harvesting & Recycling	V	V	V	V	V	V	V
Rainwater Harvesting	V	V	V	V	V	V	V
Water Recycling	V	V	V	V	V	V	V
Increased Efficiency							
Water Efficient - Irrigation/Landscaping	V	V	V	V	V	V	V
Water Efficient Fittings	V	V	V	V	V	V	V
Metering & Leak Detection System	V	V	V	V	V	V	V
Element 6. Innovation							
Innovation & Environmental Initiatives							
Green Building Index Facilitator							

Madanapalle Institute of Technology & Science (MITS), Deemed to be University has adopted several sustainable building and campus management practices for energy conservation and environmental protection. We have completed stage 1 of ISO 14001 and ISO 50001. The university produces renewable



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electricity through rooftop solar photovoltaic systems, decreasing dependence on conventional energy sources and greenhouse gases. Architectural design optimises natural daylighting and ventilation to reduce the necessity of artificial lighting during daytime hours and enhances the indoor environment quality. MITS has also installed rainwater-harvesting structures for groundwater recharge and water-recycling facilities for landscape irrigation and other non-potable applications to improve resource efficiency. Water-efficient landscaping practices help cut campus-wide water consumption. Sustainable maintenance: Routine preventative maintenance is performed on electrical systems, lighting, HVAC equipment and campus infrastructure. Waste generated on campus is segregated at the source, and recyclable materials are collected separately for eco-friendly disposal. Green procurement practices are encouraged where feasible. MITS has large landscaped areas with many trees, lawns and gardens that help to improve the campus microclimate, increase biodiversity and provide a healthy learning environment. Dedicated parking areas, pedestrian-friendly pathways and green transportation initiatives also support sustainable campus planning.

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[2] Energy and Climate Change (EC)

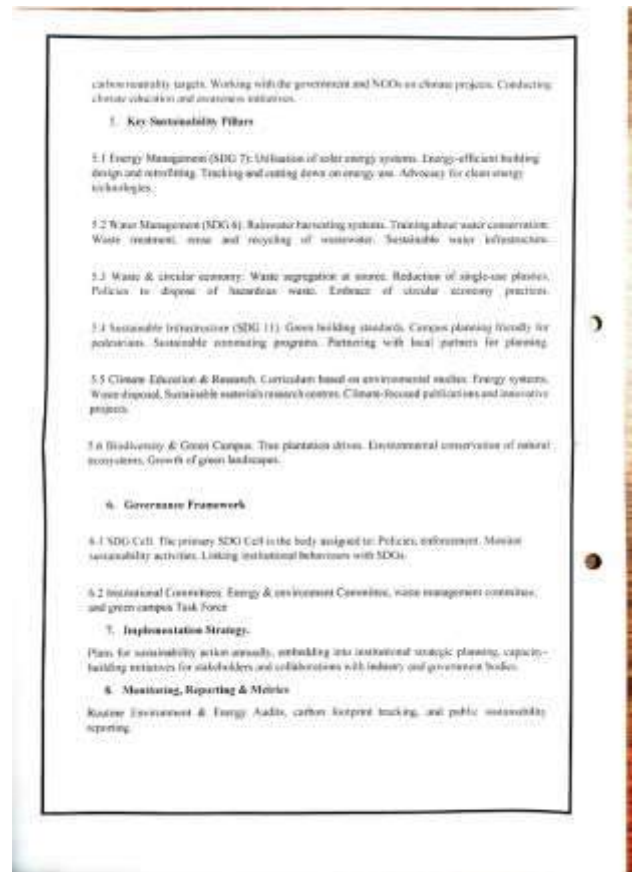
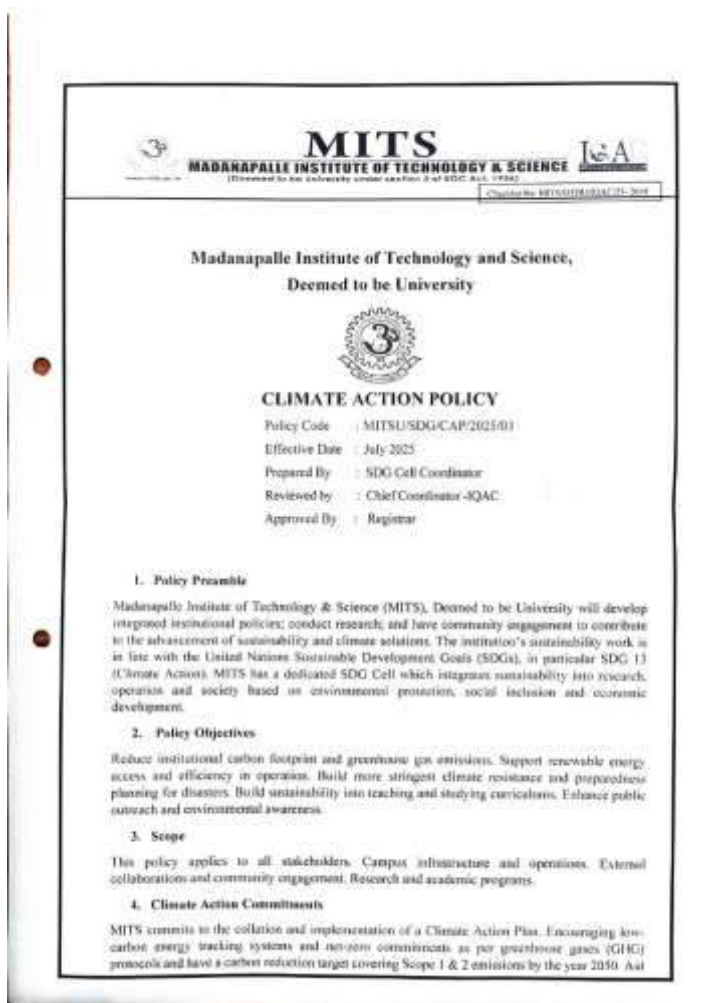
[2.10] Greenhouse gas emission reduction program (EC.7)



250 kW rooftop solar PV system on Saraswathi Block.



150 kW rooftop solar PV system on Lakshmi Block





Madanapalle Institute of Technology & Science (MITS), Deemed to be University, has implemented several institutional initiatives to reduce greenhouse gas (GHG) emissions and promote a low-carbon campus. The University's sustainability strategy focuses on reducing energy consumption, encouraging renewable energy adoption, improving resource efficiency, and creating awareness among students and staff regarding climate action. These initiatives are coordinated through the SDG Cell and institutional sustainability policies.

The major greenhouse gas emission reduction initiatives include:

1. Renewable Energy and Energy Efficiency

- The University promotes the adoption of renewable energy solutions wherever feasible.
- Institutional initiatives encourage efficient utilization of natural resources and energy conservation.
- Energy-efficient campus operations are implemented to reduce dependence on conventional electricity and lower carbon emissions.

2. Carbon Reduction and Climate Action Policies

MITS has established institutional policies that directly support greenhouse gas reduction, including:

- Climate Action Policy
- Carbon Reduction and Emission Reduction Process



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- Plan to Reduce Energy Consumption
- Energy Wastage Identification

These policies guide the University in minimizing carbon emissions through responsible energy management and sustainable infrastructure development.

3. Green Campus Development

The University continuously develops and maintains green spaces across the campus, which contribute to:

- improved air quality,
- enhancement of campus biodiversity.

4. Environmental Awareness and Student Participation

Students regularly participate in activities that support emission reduction, including:

- Tree plantation drives
- Green campus campaigns
- Environmental awareness programmes
- Sustainability outreach activities

These programmes encourage behavioural changes that reduce energy consumption and promote environmentally responsible practices.

5. Sustainable Resource Management

MITS has adopted sustainable campus practices including:

- Energy conservation measures
- Water management practices
- Waste segregation
- Resource optimisation initiatives

These practices reduce indirect greenhouse gas emissions associated with campus operations.

6. Academic and Research Contributions

The University integrates climate change and renewable energy topics into:

- academic curriculum
- seminars
- workshops
- research projects
- faculty research programmes



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These academic initiatives contribute to long-term climate mitigation through innovation and knowledge dissemination.

Additional Evidence Links

Official SDG Cell:

<https://mits.ac.in/sdg-cell>

SDG 7 – Affordable and Clean Energy:

<https://mits.ac.in/sdg7>

SDG 11 – Sustainable Cities and Communities:

<https://mits.ac.in/sdg11>



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[2] Energy and Climate Change (EC)

[2.11] Please Provide The Total Carbon Footprint (CO₂ emissions in the last 12 months, in metric tons)

Option 2: Recommended by UI GreenMetric

CO₂ (electricity)

$$= \frac{\text{electricity usage per year (kWh)}}{1000} \times 0.84$$

$$= \frac{256965 \text{ kWh}}{1000} \times 0.84$$

$$= 215.85 \text{ metric tons}$$

CO₂ (bus)

$$= \frac{\text{number of shuttle bus in your university} \times \text{total trips for shuttle bus service each day} \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0.01$$

$$= \frac{37 \times 74 \times 0.5 \times 240}{100} \times 0.01$$

$$= 32.86 \text{ metric tons}$$

CO₂ (cars)

$$= \frac{\text{number of cars entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0.02$$

$$= \frac{100 \times 2 \times 0.5 \times 240}{100} \times 0.02$$

$$= 4.80 \text{ metric tons}$$

CO₂ (motorcycle)

$$= \frac{\text{number of motorcycle entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0.01$$

$$= \frac{500 \times 2 \times 0.5 \times 240}{100} \times 0.01$$

$$= 12.00 \text{ metric tons}$$

CO₂ (total)

$$= 215.85 + 32.36 + 4.80 + 12.00$$

$$= 419.27 \text{ metric tons}$$

Carbon footprint = 265.01 metric tons

Total Carbon Footprint (UI GreenMetric) = 265.01 metric tons

Thus, the total estimated carbon footprint of MITS for the reporting period is 265.01 metric tons CO₂. In order to contain the greenhouse gas emissions, MITS has initiated a number of sustainable initiatives such as installation of rooftop solar photovoltaic systems, replacement of conventional lighting with energy-efficient LED fixtures, promotion of pedestrian-friendly and green campus practices, extensive tree plantation programmes, regular maintenance of electrical systems to improve energy efficiency and awareness programmes to motivate students and staff to adopt sustainable transportation and energy conservation practices. The university is constantly monitoring its energy usage and working to improve operational efficiencies and reduce its overall carbon footprint.



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[2] Energy and Climate Change (EC)

[2.13] Number of innovative program(s) in energy and climate change (EC.9)



As part of the institution's sustainability strategy, MITS Deemed to be University has launched several innovative initiatives for energy conservation and climate action. Sustainability is embedded in campus operations, academic programmes, research and community engagement. These efforts are aimed at minimizing environmental impacts through responsible energy use, optimization of resources, and sustainable infrastructure. The university proposes:

- Energy efficiency measures in buildings on the campus.
- Development and maintenance of energy efficient infrastructure.
- Research on renewable energy technologies, sustainable use of resources.
- Academic programmes, seminars, workshops and project based learning in renewable energy, climate change mitigation and environmental protection.
- Students' involvement in green campus campaigns, environmental awareness programmes and tree plantation activities.
- Institutional policies that promote sustainable development and environmentally sound campus management.



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These programs encourage faculty and students to develop innovative solutions that address energy efficiency and climate resilience, and promote a culture of environmental responsibility across campus. MITS has also set up an SDG Cell to coordinate activities related to sustainability in line with the United Nations Sustainable Development Goals, including energy conservation and climate action.

Additional Evidence Link

- <https://mits.ac.in/>
- [MITS SDG Cell](#)



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[2] Energy and Climate Change (EC)

[2.14] Impactful university program(s) on climate change (EC.10)

No.	Program	Scope	Total Participants	Photo	URL	Descriptions
1	Environmental Awareness Programmes on Climate Change and Sustainability	Local (Students, Faculty & Staff)	~100		https://mits.ac.in/sdg13	MITS conducts awareness programmes focusing on climate change, environmental protection, sustainable development, and climate action.
2	Tree Plantation Drives and Green Campus Initiatives	Local	~125		https://mits.ac.in/qs-sustainability	MITS regularly organizes tree plantation drives and Green Campus activities involving students, faculty, NSS volunteers, and staff to enhance campus biodiversity, increase carbon sequestration, and improve environmental awareness.
3	World Environment Day Awareness Programme	Local	~100		https://mits.ac.in/department/6	Departments organize awareness programmes on World Environment Day highlighting environmental conservation, climate change mitigation, biodiversity protection, and sustainable engineering practices.
4	World Ozone Day Awareness Programme	Local	~80		https://mits.ac.in/assets/pdf/civil/World%20Ozone%20Day%202023.pdf	The Department of Chemistry organizes awareness activities on ozone layer protection, climate change, and environmental sustainability to improve environmental literacy among students.



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MITS has set up an SDG Cell for integration of sustainability in its teaching, research, operations on the campus and extension to the community. The University encourages climate action through environmental awareness programs, education on renewable energy, Green Campus Initiatives, tree plantation drives, workshops, seminars and community engagement activities. Sustainability is embedded in academic programs in renewable energy, environmental protection, climate change mitigation and sustainable engineering. These initiatives are intended to promote students, faculty and staff to adopt environmentally responsible practices while contributing to the United Nations Sustainable Development Goals, specifically SDG 13 (Climate Action).



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[2] Energy and Climate Change (EC)

[2.16] Impact of Energy and Climate Change programs in supporting the Sustainable Development Goals (SDGs)

MITS Deemed to be University, has established a extensive institutional framework to promote energy efficiency, climate action, renewable energy adoption, and sustainable campus development. Through its SDG Cell, environmental policies, academic programmes, research activities, and campus operational practices, the University integrates sustainability into teaching, research, administration, and community engagement.

The University's energy and climate initiatives include:

- Institutional commitment to sustainability: MITS has established an SDG Cell to align institutional activities with the United Nations Sustainable Development Goals (SDGs), with a mission to promote research, environmental conservation, sustainable resource management, and climate resilience.
- Energy conservation practices: The University promotes responsible energy consumption through energy conservation measures, replacement of conventional lighting with LED and energy-efficient equipment, and implementation of sustainable operational practices across academic and administrative buildings.
- Renewable energy promotion: MITS has adopted a Policy Development for Clean Energy Technology that encourages the utilization of renewable energy sources, particularly solar energy and biomass energy, while reducing dependence on fossil fuels.
- Sustainable infrastructure: The University promotes environmentally responsible infrastructure by encouraging energy-efficient buildings, resource optimization, and environmentally friendly campus development as part of its sustainability strategy.
- Climate Action Policy: Institutional policies encourage climate change mitigation through reduced energy consumption, improved environmental management, sustainable transportation practices, and awareness programmes that promote responsible environmental behaviour.
- Environmental education: Sustainability, renewable energy technologies, climate change, environmental protection, and green engineering concepts are integrated into academic curricula through courses, seminars, workshops, student projects, and experiential learning activities.
- Research for sustainable energy: Faculty members actively undertake research in renewable energy systems, sustainable materials, environmental monitoring, green technologies, energy management, electric vehicles, biomass utilization, circular economy, and environmentally friendly engineering solutions.
- Student participation: Students regularly participate in tree plantation programmes, green campus campaigns, environmental awareness drives, sustainability workshops, and community outreach programmes that strengthen environmental stewardship.
- Institutional policies supporting sustainability: MITS has implemented several sustainability-related policies, including (<https://mits.ac.in/sdg-cell#ug-tab61>)
 - Climate Action Policy
 - Sustainable Procurement Policy
 - Sustainable Investment Policy



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These initiatives directly contribute to multiple United Nations Sustainable Development Goals (SDGs) 3, 4, 6, 11, 12, 13 and 17. Overall, the energy and climate programmes at MITS demonstrate the University's long-term commitment to sustainable campus operations, environmental responsibility, climate resilience, renewable energy promotion, and achievement of the Sustainable Development Goals through education, research, institutional governance, and community engagement.