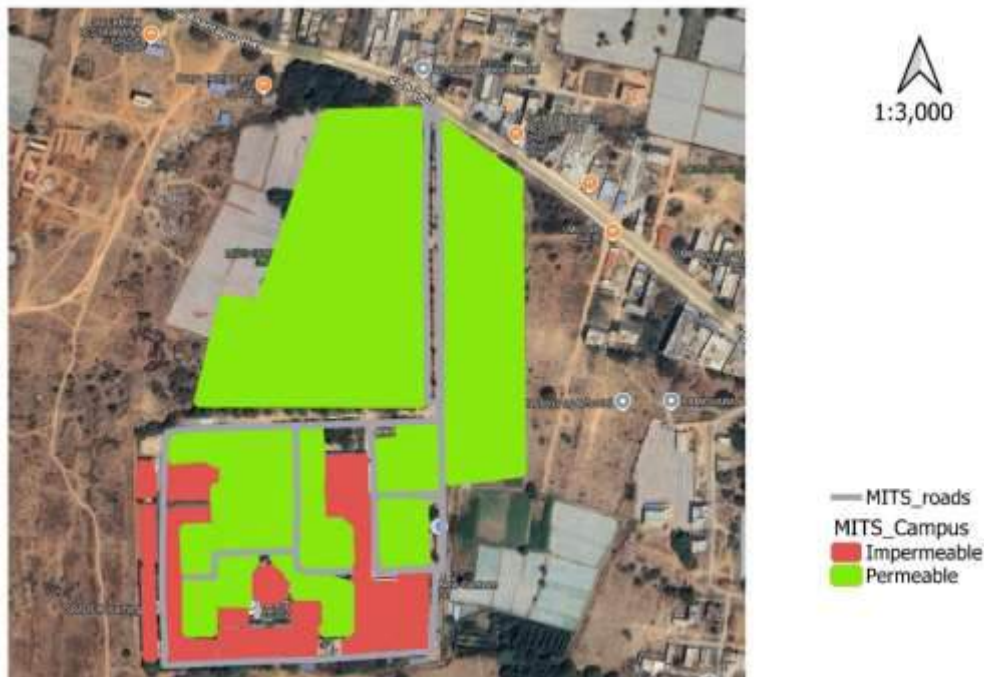




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[4] Setting and Infrastructure (SI)

[4.1] Total area on campus for water absorption besides the forest and planted vegetation (meter²) (WR.1)



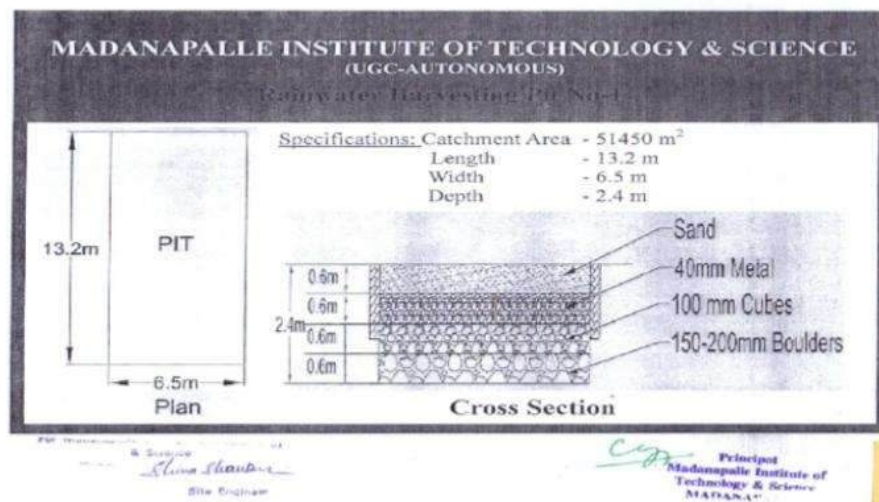
MITS Deemed to be University, has adopted sustainable campus planning practices by maintaining open unpaved areas that facilitate natural rainwater infiltration and groundwater recharge. These water absorption areas include exposed soil surfaces, permeable landscapes, open grounds, infiltration zones adjacent to roads and buildings, and other non-built areas excluding designated forests and planted vegetation. The institute also incorporates rainwater harvesting and groundwater recharge practices as part of its campus water management strategy, helping reduce surface runoff and improve groundwater replenishment.

Total water absorption area: 72303.44 m²
Total Area: 105906.23 m²
Percentage area: 68 %

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[4] Water (WR)

[4.2] Water Conservation Program Implementation (WR.2)



University & Location	Average Rainfall (mm/hr)	Water Flow Rate (L/hr)	Number of Reservoirs	Capacity of Reservoirs (L)	Number of Lakes	Capacity of Lakes (L)	Number of Recharge Pits	Capacity of Recharge Pits (L)
MIT Deemed to be University, Madanapalle, Andhra Pradesh, India	1.19	25000	2	207000	Nil	Nil	2	207000

MIT Deemed to be University has implemented a comprehensive water conservation programme as part of its sustainability initiatives under SDG 6 (Clean Water and Sanitation). The campus has established two rainwater harvesting pits with a combined storage capacity of 207000 litres. Rainwater collected from rooftops and surface runoff is directed into these recharge pits, allowing infiltration into the groundwater table and reducing dependence on external water sources. This system also minimizes stormwater runoff and enhances groundwater recharge during the monsoon season.

The university further supports water conservation through:

- Rainwater harvesting structures connected to campus drainage.
- Wastewater treatment and water reuse initiatives.
- Water-conscious landscaping practices.
- Awareness programmes encouraging responsible water use among students and staff.
- Periodic monitoring and maintenance of water conservation infrastructure.
- Institutional Water Reuse Policy aligned with UN Sustainable Development Goal 6.

Additional Evidence Link

- [MIT SDG 6 – Clean Water and Sanitation](#)

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[4] Water (WR)

[4.3] Water Recycling Program Implementation (WR.3)



MITS, Deemed to be University, has adopted sustainable water management practices as part of its environmental sustainability initiatives. The University promotes responsible utilization of water resources through water management practices integrated into campus operations and institutional sustainability programs. Water conservation and resource efficiency are recognized as important components of the University's environmental commitment.

The University has established policies and initiatives related to:

- Water management and conservation.
- Water reuse policy.
- Wastewater treatment initiatives.
- Water consumption tracking.
- Prevention of water system pollution.
- Promotion of water-conscious campus practices and landscaping.
- Awareness programs encouraging responsible water usage among students and staff.



Water management activities are implemented alongside other sustainable campus initiatives including green campus development, resource conservation, and environmental awareness programs, supporting the University's commitment to SDG 6 – Clean Water and Sanitation.

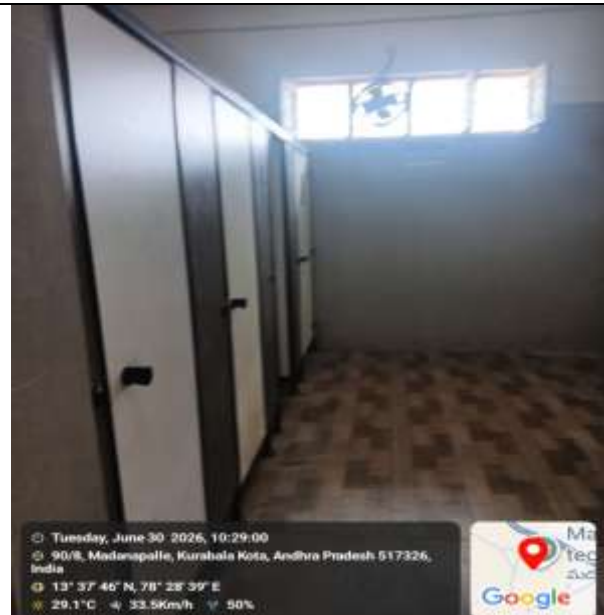
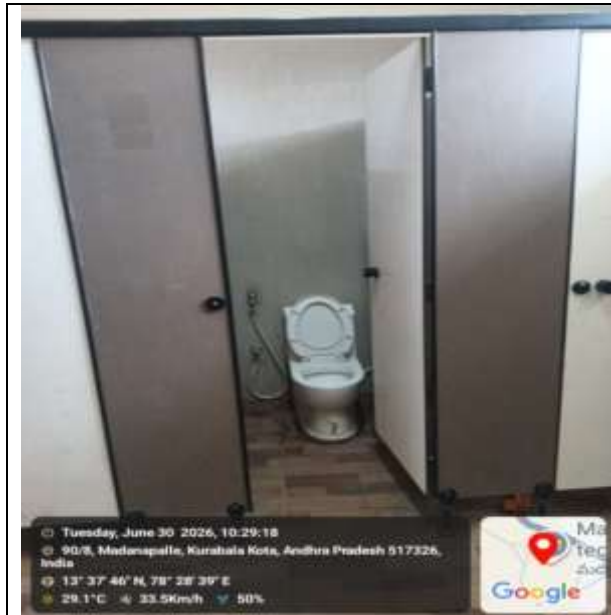
Official Sustainability Page:

[MIT S SDG 6 – Clean Water and Sanitation](#)

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[4] Water (WR)

[4.4] Water Efficient Appliances Usage (e.g. hand washing taps, toilet flush, etc.) (WR.4)



MITS has committed to sustainable water management by incorporating water-efficient plumbing fixtures across academic buildings, laboratories, administrative blocks, library, auditoriums, cafeteria, sports



facilities, and other campus infrastructure. The institute continuously upgrades its plumbing systems to minimize water consumption while maintaining hygienic sanitation facilities.

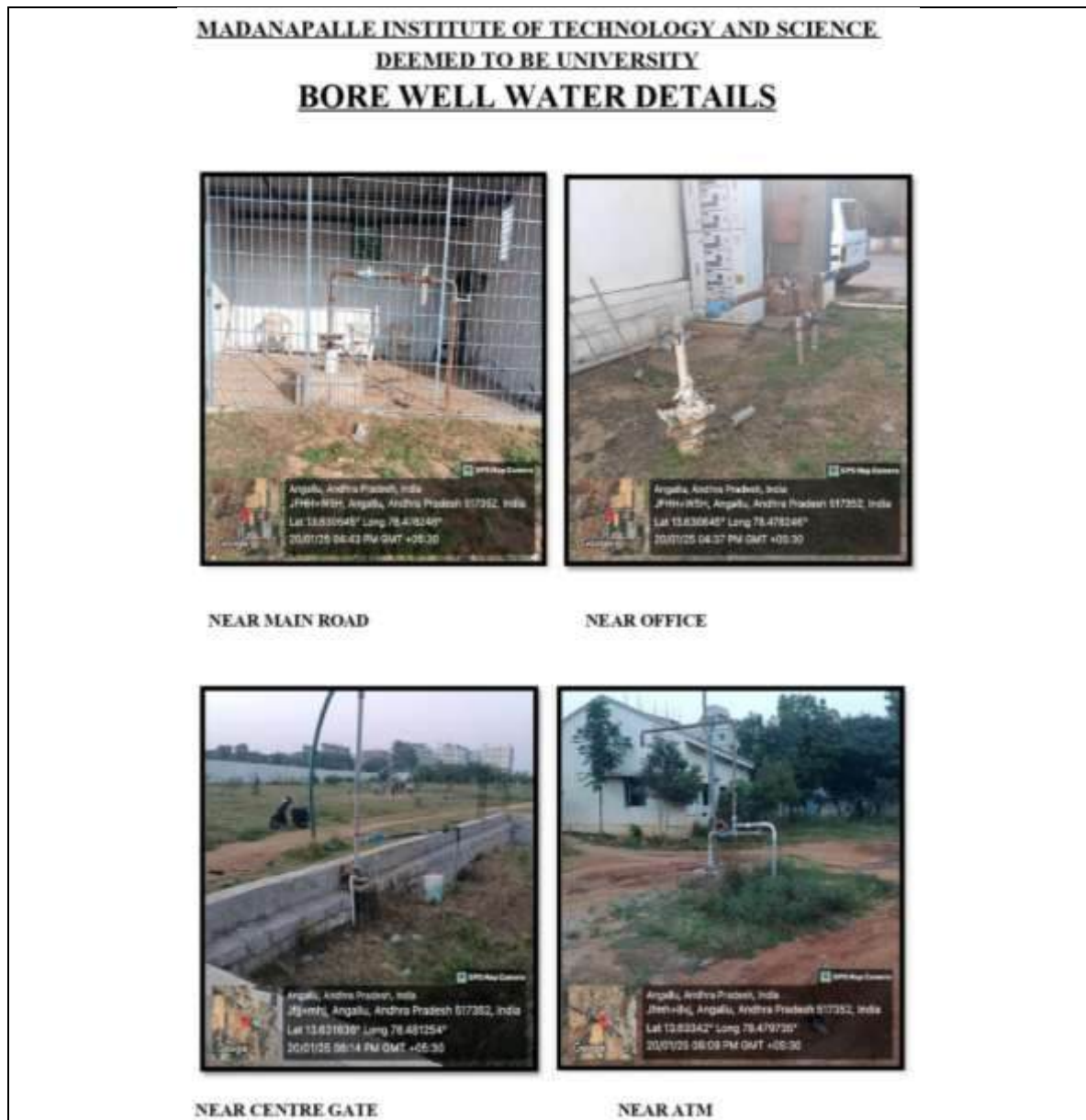
The water conservation measures implemented on the campus include:

- Installation of low-flow water taps in washrooms and hand-washing areas.
- Use of dual-flush/low-flush toilet cisterns wherever available to reduce water consumption.
- Push-type/self-closing taps in selected locations to prevent unnecessary water wastage.
- Regular inspection and maintenance of plumbing systems to detect and repair leakages.
- Integration of rainwater harvesting systems to supplement groundwater recharge.
- Reuse of treated wastewater from the Sewage Treatment Plant (STP) for landscape irrigation and gardening.
- Awareness programmes encouraging students, faculty, and staff to practice responsible water usage.
- Periodic replacement of conventional plumbing fixtures with more water-efficient alternatives during renovation and maintenance activities.

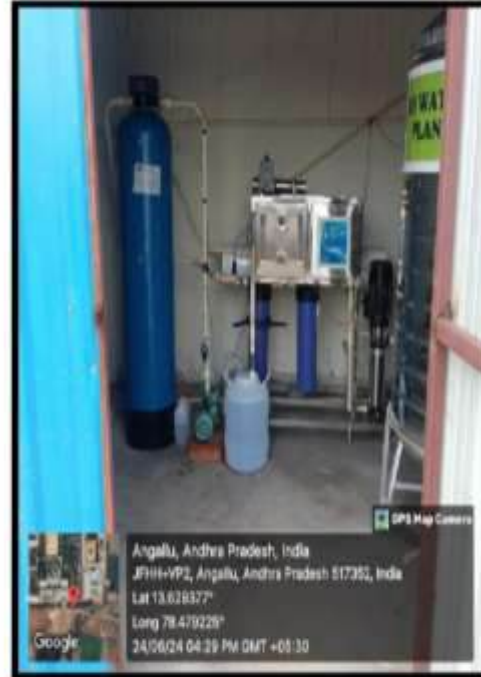
Appliance	Total Number	Water Efficient Appliances	Percentage (%)
Toilets (WC)	90	80	89
Wash Basins (Hand Washing Taps)	929	363	39
Urinals	140	125	89
Kitchen Taps	15	10	67
Laboratory Water Taps	40	38	95
Drinking Water Stations	85	85	100
Average Percentage			63

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[4] Water (WR)

[4.5] Consumption of treated water (WR.5)



REVERSE OSMOSIS WATER DETAILS AND FACILITIES





MITs, Deemed to be University, Madanapalle provides treated potable water for the entire campus community through a centralized water treatment and distribution system. The treated water is supplied for drinking purpose to academic buildings, administrative offices, laboratories, dining facilities, and other common utility areas. The university has installed RO (Reverse Osmosis) treated drinking water units and water purification systems at strategic locations across the campus to ensure safe drinking water for students, faculty, staff, and visitors. Regular maintenance and periodic water quality monitoring are carried out to maintain compliance with applicable drinking water quality standards.

The treated water distribution network covers:



- Classroom
- Administrative Block
- Central Library
- Laboratories
- cafeterias
- Sports complex
- Other common public utility areas

To encourage efficient water utilization, MITS also promotes responsible water consumption through awareness programs, routine inspection of pipelines, leak detection, and timely maintenance of the campus water supply infrastructure.

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[4] Water (WR)

[4.6] Water pollution control in campus area (WR.6)



MITS, Deemed to be University, Madanapalle is committed to protecting water resources within the campus through sustainable water management practices. The institution emphasizes prevention of water pollution by minimizing wastewater discharge, promoting rainwater harvesting, maintaining clean drainage systems, and adopting environmentally responsible waste management practices.

The campus follows environmental protection measures by ensuring that:

- Domestic wastewater is properly collected and treated before disposal or reuse.
- Rainwater harvesting structures reduce runoff and groundwater depletion while minimizing erosion.
- Campus landscaping and green cover help improve natural filtration of surface runoff.



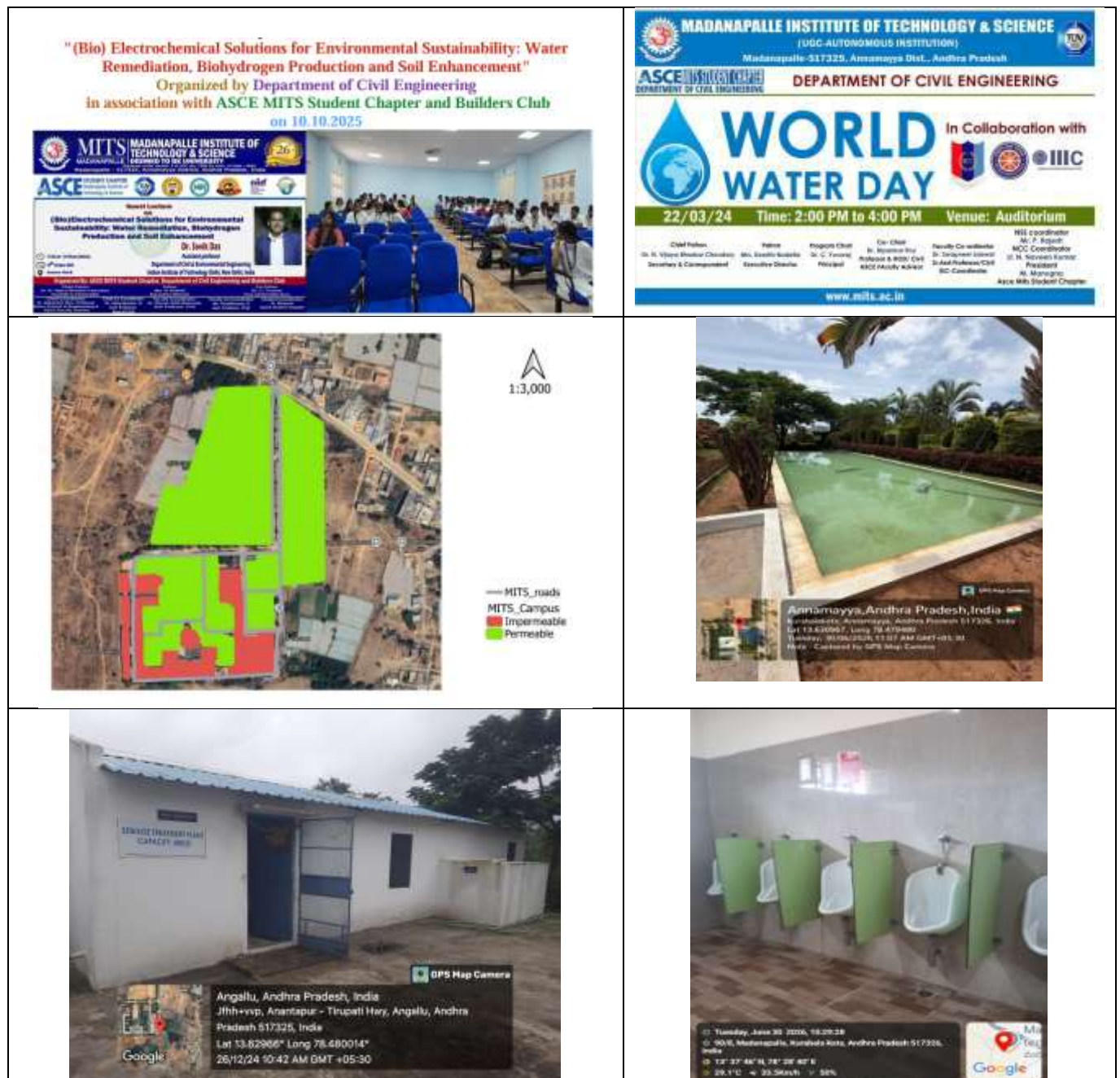
MIT'S
DEEMED TO BE
UNIVERSITY
(Under section 3 of UGC Act, 1956 by Govt. of India - MoE)



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[4] Water (WR)

[4.7] Impact of Water Management programs in supporting the Sustainable Development Goals (SDGs)





MIT, Deemed to be University has established a comprehensive water management aligned with SDG 6 (Clean Water and Sanitation) and integrated with its institutional sustainability strategy. The University has adopted a Water Reuse Policy and implements several water conservation initiatives to ensure efficient utilization of water resources, groundwater recharge, wastewater reuse, and awareness among campus stakeholders. These initiatives contribute to environmental sustainability while supporting multiple Sustainable Development Goals.

The major water management programs implemented at MIT include:

- **Rainwater Harvesting:** The University has established rainwater harvesting pits to collect rainwater and recharge groundwater. The campus has two rainwater harvesting pits with a combined storage capacity of approximately 2 lakh litres, reducing surface runoff and improving groundwater availability.
- **Wastewater Treatment and Reuse:** MIT operates wastewater treatment facilities to treat wastewater generated on campus. The treated water is reused for suitable non-potable purposes, thereby reducing dependence on freshwater resources and promoting circular water management.
- **Water Reuse Policy:** The University has adopted a formal Water Reuse Policy (Policy No. MITS/SDG/WRP-2024/12) with the objective of achieving water neutrality through rainwater harvesting, sewage treatment, and responsible water-use practices across academic buildings, hostels, gardens, sports facilities, canteens, and staff quarters.
- **Water Consumption Tracking:** The institution monitors campus water consumption to improve water-use efficiency and encourage responsible utilization of available water resources.
- **Prevention of Water Pollution:** MIT follows practices aimed at preventing pollution of campus water systems through appropriate wastewater management and environmental protection measures.
- **Free Safe Drinking Water:** The University provides safe drinking water facilities across the campus to ensure the health and well-being of students, faculty, staff, and visitors.
- **Water-Conscious Landscaping:** The University promotes water-conscious planting and sustainable landscaping practices to reduce unnecessary irrigation requirements while maintaining campus greenery.
- **Water-Conscious Building Standards:** Water conservation principles are incorporated into campus infrastructure planning and development through water-conscious building standards.



- **Water Conservation Education and Awareness:** Through the SDG Cell and different departments, MITS conducts educational opportunities and awareness programmes promoting responsible water usage among students, faculty, and staff, fostering a culture of water conservation.

Impact on Sustainable Development Goals (SDGs)

The University's water management initiatives contribute directly and indirectly to several Sustainable Development Goals, including SDGs 3, 6, 9, 11, 12, 13, 15, and 17.

Additional Evidence Links

1. [SDG 6 – Clean Water and Sanitation](#)
2. [MITS SDG Cell](#)
3. [Water Reuse Policy \(Official PDF\)](#)
4. [Wastewater Treatment & Rainwater Harvesting Evidence](#)