# Sustainable Development Goals Report 2025

## Data year 2025 · THE 2027

Madan Mohan Malaviya University of Technology, Gorakhpur
Contribution to the United Nations Sustainable Development Goals through teaching, research, community outreach and campus stewardship

Published November 2026

# Foreword

Madan Mohan Malaviya University of Technology, Gorakhpur

Annual Sustainability & SDG Impact Report (2025)

Rooted in the transformative philosophy of Mahamana Pandit Madan Mohan Malaviya ji, Madan Mohan Malaviya University of Technology (MMMUT) has always viewed technological advancement and higher education as instruments of societal welfare, self-reliance, and public good. As higher education institutions worldwide are called upon to lead systemic transitions toward sustainability, MMMUT remains steadfast in aligning its academic pedagogy, cutting-edge research, and institutional governance with the United Nations 2030 Agenda for Sustainable Development (UN SDGs).

This Sustainable Development Goals Report encapsulates our collective institutional progress across key dimensions of societal, economic, and ecological stewardship:

Pioneering Quality Education & Sustainable Innovation (SDG 4, SDG 8, SDG 9): Through dynamic, multidisciplinary curricula aligned with the National Education Policy (NEP 2020), state-of-the-art incubation infrastructure, and dedicated outreach initiatives under the Centre of Development for Technical Education, we are equipping young technocrats to develop scalable, sustainable solutions for contemporary industrial and societal challenges.

Fostering Health, Mental Wellness & Gender Equity (SDG 3, SDG 5, SDG 10): A sustainable community begins with the holistic well-being of its members. Our statutory student support systems—ranging from the Yoga and Student Counseling Club to proactive preventive healthcare drives (such as our campus-wide HPV immunization initiatives) and the active stewardship of the Women Welfare and Anti-Harassment Cell—ensure a secure, inclusive, and empowering ecosystem for all scholars and staff.

Campus Decarbonization & Climate Action (SDG 6, SDG 7, SDG 11, SDG 13): As an engineering and technical institution, we lead by example. Our campus initiatives prioritize renewable energy integration, water conservation, efficient waste recovery systems, and applied environmental consultancy for regional civic bodies, turning our premises into a living laboratory for sustainable development.

Transparent Governance & Collaborative Partnerships (SDG 16, SDG 17): Grounded in the statutory mandates of our First Statutes, 2025, our governance reflects absolute transparency, integrity, and public accountability. We actively cultivate resilient partnerships with state and central government departments, national research bodies, industries, and global alumni networks to maximize regional and national development impact.

Achieving sustainable development is an ongoing commitment rather than a static goal. I extend my sincere appreciation to our faculty researchers, administrative officers, student innovators, and institutional partners whose diligence is reflected throughout this report. Let us continue to harness engineering, science, and ethical leadership to build a sustainable, resilient, and equitable future.

Prof. Anupama Kaushik Sharma

Vice-Chancellor

# Introduction

**Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur**

## Annual Sustainability & SDG Impact Report (2025)

### Section 1: Introduction

1. Institutional Vision & Alignment with the Sustainable Development Goals (SDGs) Rooted in the transformative philosophy of Mahamana Pandit Madan Mohan Malaviya ji—emphasizing social upliftment, self-reliance, and nation-building—Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur, strategically positions technical education and research as primary instruments for societal progress and sustainable development. In an era marked by complex global socio-environmental challenges, MMMUT has systematically aligned its academic pedagogy, technological innovation, campus operations, and community outreach with the United Nations 2030 Agenda for Sustainable Development (UN SDGs) and India's National Education Policy

(NEP 2020).This Annual Sustainability & SDG Impact Report verified of the university's measurable contributions toward achieving the 17 Sustainable Development Goals. It documents how institutional policy, faculty-led research, student-driven initiatives, and administrative governance translate high-level sustainability targets into verified, on-the-ground outcomes.

2. Core Thematic Pillars & Institutional Initiatives
   MMMUT's sustainability strategy is anchored across four primary operational pillars:

## Pillar 1: Quality Education, Upskilling, and Sustainable Innovation (SDG 4, SDG 8, SDG 9)

The university delivers multidisciplinary engineering and technological curricula that embed sustainable engineering principles into core syllabi. Through the Centre of Development for Technical Education (Statute 36), MMMUT executes continuing education, technical upskilling, and quality improvement programs for working professionals, administrative practitioners, and local industry. Innovation is supported end-to-end via incubation facilities, student entrepreneurship cells, and regional research partnerships overseen by the Academic Council and designated Deans.

## Pillar 2:Student Well-being, Mental Health, and Social Equity (SDG 3, SDG 5, SDG 10)

Grounded in the statutory provisions of the First Statutes, 2025, the campus operates a holistic support ecosystem: Comprehensive primary medical care and emergency clinical services funded through statutory health facilities infrastructure (Statute 89(2)(b)). Psycho-social counseling, stress alleviation workshops, and mindfulness programs administered via the Yoga and Student Counseling Club (Statute 23(4)(f)) and the Personality Development and Career Counseling Cell (Statute 23(4)(g)). Dedicated pastoral oversight and female student welfare mechanisms led by female faculty wardens (Statute 11(3)) and the Women Welfare and Anti-Harassment Cell (Statute 45 and Statute 90).

## Pillar 3:Environmental Stewardship, Decarbonization, and Climate Action (SDG 6, SDG 7, SDG 11, SDG 13)

MMMUT utilizes its 300+ acre campus as a living laboratory for resource conservation and clean energy transition. Institutional infrastructure prioritizes grid-connected solar power generation, rainwater harvesting structures, extensive groundwater recharge shafts, solid waste segregation, and energy-efficient building systems coordinated by the Building & Works Committee (Statute 32). Faculty and researchers in Civil and Environmental Engineering actively provide technical, testing, and advisory consultancy to municipal bodies and local development authorities for environmental impact mitigation and water resource management.

## Pillar 4: Transparent Governance, Institutional Probity, and Global Partnerships (SDG 16, SDG 17)

Good governance is legally enforced under Chapter 9 of the First Statutes, 2025, mandating strict employee anti-corruption codes (Statute 58), the total prohibition of partisan political activities on campus (Statute 60(3)), and non-discriminatory treatment across all demographics (Statute 59). Financial probity is ensured through continuous multi-tier internal and external audits, with complete annual financial reports and balance sheets published openly in the public domain under Section 37 of the Act and Statute 6. Collaborative impact is amplified through active liaison with state and central government departments, national research bodies, and the global alumni network coordinated by the Dean of Planning, Resource Generation and Alumni Relations (Statute 18).

3. Purpose and Scope of the Report
   The primary purpose of this report is to maintain transparency and institutional accountability for all stakeholders, including government ministries, accreditation agencies, industrial partners, the academic community, and the general public. It serves as the primary empirical baseline and statutory evidence dossier for MMMUT's annual submissions to the Sustainability Impact Ratings, the National Institutional Ranking Framework (NIRF), and NAAC accreditation cycles.

# The year at a glance

| 4 | 36 | 28 | 3,413 | 15 |
|---|---|---|---|---|
| SDGs reported | evidence pages | verified activities | participants | partnerships (MoUs) |

## Contents


| | | |
|---|---|---|
| 3 | Good Health and Well-being | 7 evidence page(s), 6 activities |
| 7 | Affordable and Clean Energy | 8 evidence page(s), 4 activities |
| 9 | Industry, Innovation and Infrastructure | 2 evidence page(s), 5 activities |
| 17 | Partnerships for the Goals | 19 evidence page(s), 17 activities |

# SDG 3: Good Health and Well-being

## Evidence

### 3.2.1 Proportion of graduates in health professions

> **In 2025 MMMUT awarded 1,473 earned degrees at all levels, of which 65 (4.4%) were in health professions (Bachelor of Pharmacy), as certified by the Controller of Examination in the Convocation 2025 degree recipients summary attached to this page.**

## Figures

| Measure | Value | Basis |
|---|---|---|
| Graduates of all levels in 2025 | 1,473 | Degrees earned at the 2025 Convocation, summary certified by the Controller of Examination |
| Graduates in health professions in 2025 | 65 | Bachelor of Pharmacy (B.Pharm) graduates in the same summary |
| Share of graduates in health professions | 4.4% | 65 of 1,473 |

The certified summary shows a grand total of 1,474, which includes one honorary Doctor of Science (honoris causa). An honorary degree is not an earned degree, so it is left out of the graduate count above.

## Breakdown of the 2025 graduates

| Programme | Graduates |
|---|---|
| Ph.D. | 44 |
| M.Tech | 46 |
| M.Sc | 44 |
| MBA | 72 |
| MCA | 68 |
| B.Tech | 1,064 |
| B.Pharm (health profession) | 65 |
| BBA | 70 |
| **Earned degrees** | **1,473** (1,089 men, 384 women) |
| D.Sc (honoris causa, not counted) | 1 |

## Health professions at MMMUT

Health-profession graduates are those of the Department of Pharmaceutical Science and Technology, which runs the Bachelor of Pharmacy programme. The university has no medical, nursing or dental faculty, so pharmacy is its only health-profession degree.

## Source document

The degree recipients summary for the 2025 and 2026 convocations, signed by the Controller of Examination, is attached to this page.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-2-1

### 3.3.1 Current collaborations with health institutions

**Yes. In 2025 MMMUT had five current collaborations with health institutions: MoUs with AIIMS Gorakhpur (22 May 2023), ICMR-Regional Medical Research Centre, Gorakhpur (25 July 2025; joint Ph.D. research on urinary tract infection and antimicrobial resistance), Hanuman Prasad Poddar Cancer Hospital & Research Institute (7 August 2025) and Mahayogi Guru Gorakhnath AYUSH University (24 May 2022), and a joint blood donation camp with BRD Medical College (22 August 2025). The four MoUs are attached.**

## Current collaborations with health institutions

In 2025 MMMUT had five active collaborations with health institutions: a central government medical institute, a national medical research institute, a specialist cancer hospital, a state AYUSH university and a government medical college. The four Memoranda of Understanding are attached to this page.

| Health institution | Type | Formalised | What the collaboration covers |
|---|---|---|---|
| ICMR-Regional Medical Research Centre, Gorakhpur | National medical research institute (Indian Council of Medical Research) | MoU signed 25 July 2025, valid 5 years | Joint research in pharmaceuticals, natural products, biotechnology, medical devices and health care; shared instruments; student traineeships; faculty exchange; joint project proposals |
| Hanuman Prasad Poddar Cancer Hospital & Research Institute, Gorakhpur | Specialist cancer hospital run by a charitable trust | MoU signed 7 August 2025, valid 5 years | Cancer awareness campaign led by trained student "Cancer Care Ambassadors"; awareness events (walkathon, street plays); internships with stipends for students |
| All India Institute of Medical Sciences (AIIMS), Gorakhpur | Central government medical institute (Ministry of Health & Family Welfare) | MoU signed 22 May 2023, in force | Joint research on diagnostic devices, low-cost treatment and surgical devices; public health and epidemiology; joint community awareness programmes; exchange of researchers, faculty and students |
| Mahayogi Guru Gorakhnath AYUSH University, Gorakhpur | State university of AYUSH (traditional systems of medicine) | MoU signed 24 May 2022, valid five years | Faculty and student exchange, joint research and publications, joint supervision of theses, workshops and conferences, support for the AYUSH university's digitalisation |
| Baba Raghav Das (BRD) Medical College, Gorakhpur | Government medical college and hospital | Joint camp, 22 August 2025 | Voluntary blood donation camp for the regional blood bank |

### ICMR-Regional Medical Research Centre, Gorakhpur

The MoU signed on 25 July 2025 by the Director of ICMR-RMRC and MMMUT's Dean of Extension, Field Outreach and Alumni Relations sets up collaborative research in pharmaceutical science, natural products, biotechnology, medical devices and health care. ICMR-RMRC is recognised as a research centre of the university: four to five of its scientists may register for a Ph.D. under joint supervision, and students of MMMUT may train in its laboratories. The partners share instruments, exchange faculty and prepare joint project proposals. The MoU carries no financial obligation and is valid for five years.

### Hanuman Prasad Poddar Cancer Hospital & Research Institute

The MoU signed on 7 August 2025 creates a joint cancer awareness campaign. The hospital trains students as "Cancer Care Ambassador – MMMUT", provides the awareness content, prizes and internships with stipends; the university provides student volunteers, a faculty coordinator and venues for public events such as a walkathon and

street plays. It is valid for five years.

### All India Institute of Medical Sciences, Gorakhpur

The MoU for collaborative training, education and research, signed on 22 May 2023 by AIIMS Gorakhpur's Dean Academic and MMMUT's Dean of Planning, Resource Generation and Alumni Relations, sets up cooperation in health education, research and service. The partners exchange researchers, faculty and students (including clinical and open electives for engineering and medical students), hold joint lectures, seminars and conferences, and carry out joint research and publications. The research areas named include the development and clinical validation of diagnostic devices, low-cost treatment modalities, robotic and advanced surgical devices, artificial intelligence and machine learning, environmental engineering and public health, epidemiology and drone technology. The MoU also provides for joint community awareness programmes and services, and for AIIMS to give preference to MMMUT faculty, students and staff in patient care.

### Mahayogi Guru Gorakhnath AYUSH University, Gorakhpur

The MoU signed at Gorakhpur on 24 May 2022, in force for five years, sets up academic and research cooperation with the state's AYUSH university: faculty exchange for research, lectures and training; student exchange; joint projects, joint supervision of theses and joint publications; joint courses, workshops, conferences and webinars; and support from MMMUT for the digitalisation of the AYUSH university.

### Baba Raghav Das Medical College

On 22 August 2025 the university's NSS Cell and BRD Medical College held a voluntary blood donation camp on campus. 60 students, faculty and staff registered; after medical screening 55 donors gave blood and 55 units were collected for the regional blood bank.

## Joint research with ICMR-RMRC, Gorakhpur (2025)

Under the MoU of 25 July 2025, MMMUT and ICMR-Regional Medical Research Centre, Gorakhpur run a joint Ph.D. research project on urinary tract infection (UTI) and antimicrobial resistance (AMR). The research studies uropathogens and their antimicrobial resistance patterns to generate evidence on drug-resistant urinary tract infections. It combines the pharmaceutical expertise of MMMUT's Department of Pharmaceutical Science and Technology with the biomedical and microbiological expertise and laboratories of ICMR-RMRC.

## Media coverage

- एमएमएमयूटी : एमबीबीएस के लिए जिला अस्पताल का लेंगे सहयोग, Amar Ujala, 23 May 2025

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-3-1

### 3.3.2 Health outreach programmes

> **Yes. MMMUT delivers health and well-being outreach in its local community, much of it through student volunteering. In 2025 its pharmacy students held a vaccination awareness camp in Mathia village (9 December 2025), 328 school children from its adopted villages took the pledge for a drug-free India (7 March 2025), and under an MoU of 7 August 2025 with Hanuman Prasad Poddar Cancer Hospital students trained as Cancer Care Ambassadors run public cancer awareness events.**

## Activities

### Pharmacists as Advocates of Vaccination: Health and Vaccination Awareness Camp, Mathia Village

9 December 2025 at Mathia village, Gorakhpur. Open to the local community.

Organised by the Department of Pharmaceutical Science and Technology. Recorded in the university's Annual Progress Report (APR 2025-26, p. 268).

### Padhe Vishwavidyalaya Badhe Vishwavidyalaya

7 March 2025 at MMMUT Campus Gorakhpur. 3,265 participants, open to the local community.

Organised by the Department of Electrical Engineering; 3265 participants. Recorded in the university's Annual Progress Report (APR 2024-25, p. 73).

### Mega Blood Donation Camp by NSS Cell in Collaboration with BRD Medical College

22 August 2025 at University Cafeteria Premises, MMMUT Gorakhpur. 60 participants, open to the local community.

A total of 60 university students, faculty, and staff members registered for the voluntary blood donation drive organized by the NSS Cell in partnership with BRD Medical College. Following medical pre-screening, 55 eligible donors successfully contributed, resulting in the collection of 55 units of blood. This initiative directly strengthened the regional blood bank's emergency supply, addressed critical clinical deficits, and significantly promoted humanitarian values, civic awareness, and social service commitment across the campus community.

### Health Check Up Camp for MMMUT Teaching, Administrative, and Accounts Staff

7 April 2025 at MMMUT Campus, Gorakhpur. 95 participants, open to the local community.

A total of 95 university teaching, administrative, and accounts personnel successfully underwent diagnostic health evaluations during the camp. Participants received targeted screenings including Bone Mineral Density (BMD) tests, comprehensive ophthalmological (eye) examinations, and general physical assessments. The initiative enabled early detection of musculoskeletal weaknesses, visual deficiencies, and general lifestyle-related symptoms, providing timely clinical guidance and actionable healthcare recommendations directly within the campus.

## Programme: cancer awareness with student volunteers

Under a Memorandum of Understanding signed on 7 August 2025 with Hanuman Prasad Poddar Cancer Hospital & Research Institute, Gorakhpur (attached to this page), MMMUT runs a cancer awareness programme in the local community through student volunteering. Students trained by the hospital as "Cancer Care Ambassador – MMMUT" carry awareness to the public through events such as a walkathon and street plays; the hospital provides the content and training, prizes and internships with stipends, and the university provides the volunteers, a faculty coordinator and venues. The programme runs for the five-year term of the MoU.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-3-2

### 3.3.4 Sexual and reproductive health services

> **Yes, the Madan Mohan Malaviya University of Technology, Gorakhpur First Statutes, 2025 (under Statute 89(2)(b), Statute 90, Statute 45, Statute 11(3), and Statute 23(4)(f)) statutorily mandates campus medical facilities, student welfare mechanisms, personal counseling, and female welfare cells, which are actively operationalized through reproductive healthcare services, awareness programs, and clinical vaccination campaigns like the HPV Vaccination Drive conducted on 22.09.2026.**

## Services and activity

On 22-09-2026 the university held an HPV vaccination and reproductive health awareness drive with AIIMS Gorakhpur; 148 female students were vaccinated.

## Media coverage

- Amar Ujala, 22-09-2026: 151 female students vaccinated against cervical cancer
- Dainik Bhaskar: 151 female students vaccinated against cervical cancer

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-3-4

### 3.3.5 Mental health support for students

> **Yes, the Madan Mohan Malaviya University of Technology, Gorakhpur First Statutes, 2025 (under Statute 23(4)(f), Statute 23(4)(g), Statute 12(a, c, g, k), Statute 11(2–3), Statute 44, Statute 45, and Statute 89(2)(b)) statutorily guarantees mental health support, psycho-social counseling, stress management, and safe, harassment-free environments for students.**

## Policies

### First Statutes 2025

Approved by: Govt of Uttar Pradesh
Approval date: 06 February 2025

The First Statutes of Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur constitute the foundational legal and administrative framework established under the MMMUT Act, 2013 by the Government of Uttar Pradesh. When the former Madan Mohan Malaviya Engineering College (MMMEC) was upgraded to a university, these Statutes were drafted to govern its constitution, powers, and daily operations. Here is a comprehensive breakdown of the core components covered in the MMMUT First Statutes:

**Statutory Breakdown of Mental Health Support Systems** Dedicated Yoga and Student Counseling Club (Statute 23(4)(f)): Operates a statutory Yoga and Student Counseling Club under the Council of Student Activities to provide students with structured mental wellness sessions, stress management programs, emotional counseling, and mindfulness practices.
**Personality Development and Career Counseling Cell (Statute 23(4)(g)):** Mandates a dedicated Personality Development and Career Counseling Cell to mitigate student anxiety related to academic performance, career choices, and professional transitions through structured guidance and psychological mentorship.
**Welfare Administration & Parental Support System (Statute 12(a, c, g, k)):** Charges the Dean of Student Affairs with overseeing all facets of student welfare, personal well-being, and co-curricular engagement. Statute 12(k) specifically empowers the administration to communicate and coordinate directly with parents or guardians in situations requiring personal or psychological assistance for a student.

**Residential Pastoral Care and Female Student Support (Statute 11(2) & 11(3)):** Requires the appointment of faculty members as Assistant Deans of Student Affairs and Hostel Wardens to provide day-to-day pastoral care within student residences. Statute 11(3) explicitly mandates the inclusion of female faculty members to look after the emotional, physical, and personal welfare of female students.

**Protection from Psychological Distress and Harassment (Statute 44, Statute 45, and Statute 90):** Enforces a strict zero-tolerance policy against ragging to safeguard students from peer victimization and related psychological trauma. Statute 45 and Statute 90 establish the Women Welfare and Anti-Harassment Cell to ensure a safe, supportive campus climate free from intimidation.

**Clinical Health Facilities & Medical Care (Statute 89(2)(b)):** Statutorily allocates student medical facility usage charges to operate the campus Health Centre/Dispensary, delivering primary clinical assessments, emergency care, and specialist referrals for psychiatric or psychological conditions.

https://mmmut.ac.in/SportsSubCouncil

https://mmmut.ac.in/Hospital

### 3.3.6 Smoke-free policy

**Yes. Madan Mohan Malaviya University of Technology, Gorakhpur has a fully smoke-free and tobacco-free campus. The policy was issued by the Registrar by Official Order Ref. No. MMMUT/Reg. Office/1893/2026 dated 1 October 2026. It bans the use, sale, advertisement and storage of all tobacco products, including e-cigarettes, everywhere on campus with no smoking areas, sets a fine of up to ₹200, names the Proctor as the enforcing officer, and is displayed on signage at both main gates and across the campus.**

## Policy

**Official Order: Implementation of Mandatory Tobacco-Free and Smoke-Free Campus Policy** Issued by the Registrar, Madan Mohan Malaviya University of Technology, Gorakhpur. Ref. No. MMMUT/Reg. Office/1893/2026, dated 1 October 2026, in force with immediate effect.

The order is issued under Sections 4 and 6 of the Cigarettes and Other Tobacco Products Act (COTPA), 2003 and the Tobacco-Free Educational Institution (ToFEI) Guidelines of the Ministry of Health and Family Welfare, Government of India. It makes the whole campus smoke-free and tobacco-free, with no designated smoking areas:

1. **Absolute ban.** Consumption, sale, advertisement and storage of all tobacco products, including cigarettes, bidi, gutkha, khaini and e-cigarettes or vapes, are prohibited across the main campus, academic buildings, hostels, cafeterias, sports complexes, residential quarters and at all entry and exit gates.
2. **Penalty.** Anyone found smoking or using tobacco on campus is liable to a spot fine of up to ₹200 under Section 4 of COTPA 2003. Repeated offences by students or staff lead to strict disciplinary action.
3. **100-yard rule.** Sale of tobacco products within 100 yards of the university's outer boundary wall is illegal and punishable under Section 6(b) of COTPA 2003.
4. **Enforcement.** The Proctor is the designated officer for reporting violations and enforcing the policy. Any student, staff member or visitor can report an infraction directly to the Proctor.

The order binds all students, faculty members, non-teaching staff, security personnel, vendors and visitors. It was circulated to all Deans, Heads of Department, Section Officers, Cell In-charges, the Proctor, the Chief Warden and Wardens, the Chairmen of ITRC and CSA, the In-charge of Security, the university website and the notice boards.

## Implementation: smoke-free signage across the campus

Bilingual (English and Hindi) "Smoking-Free, Tobacco-Free Campus" posters are displayed at both main gates and in academic buildings, hostels, the canteen, the sports complex, the Central Workshop and parking areas. Each poster states that smoking, chewing or consuming tobacco products or alcohol is prohibited on the premises, that violators will be fined up to ₹200, and that sale of tobacco products within 100 yards of the institution is a punishable offence under Section 6(b) of COTPA 2003.

The photographs on this page were taken on 1 November 2026 with a GPS camera; the location, coordinates and time are stamped on each photograph.

| # | Location | GPS coordinates | Time (1 November 2026) |
|---|---|---|---|
| 1 | Main gate (with the university emblem) | 26.729797, 83.431443 | 4:11 pm |
| 2 | Main gate on Deoria Road | 26.731063, 83.430558 | 4:04 pm |
| 3 | Entrance of a departmental building | 26.730266, 83.432937 | 4:16 pm |
| 4 | Covered parking of a campus building | 26.731104, 83.431714 | 4:22 pm |
| 5 | Campus canteen (cafeteria) | 26.732115, 83.433794 | 4:28 pm |

| # | Location | GPS coordinates | Time (1 November 2026) |
|---|---|---|---|
| 6 | Corridor of an academic building | 26.731756, 83.434496 | 4:34 pm |
| 7 | Entrance of an academic building | 26.731852, 83.434266 | 4:35 pm |
| 8 | Ground-floor corridor of a campus building | 26.728313, 83.439032 | 4:47 pm |
| 9 | Entrance of a students' hostel (anti-ragging notice above the door) | 26.728086, 83.439998 | 4:52 pm |
| 10 | Entrance porch of a campus building | 26.728027, 83.440461 | 4:55 pm |
| 11 | Entrance hall of a students' hostel | 26.730951, 83.440185 | 5:03 pm |
| 12 | Entrance lobby of a students' hostel | 26.729199, 83.439136 | 5:08 pm |
| 13 | Passage of a campus building | 26.730216, 83.438367 | 5:13 pm |
| 14 | Sports complex | 26.73152, 83.437164 | 5:19 pm |
| 15 | Corridor of a campus building near the security desk | 26.729233, 83.436823 | 5:24 pm |
| 16 | Central Workshop (Workshop Superintendent's office) | 26.729585, 83.434987 | 5:29 pm |

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-3-6

### 3.3.7 Mental health support for staff

> **Yes, First Statutes, 2025 (Statute 23(4)(f), Statute 23(4)(g), Statute 12(a, c, g, k), Statute 11(2–3), Statute 44, Statute 45, Statute 90, and Statute 89(2)(b)) statutorily guarantees mental health support, institutional counseling, stress management, and emotional well-being for students. The university operationalizes these mandates through the dedicated Yoga and Student Counseling Club, the Career Counseling Cell, campus clinical health facilities, and pastoral care mechanisms.**

## Policies

### First Statutes 2025

Approved by: Govt of Uttar Pradesh
Approval date: 06 February 2025

The First Statutes of Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur constitute the foundational legal and administrative framework established under the MMMUT Act, 2013 by the Government of Uttar Pradesh. When the former Madan Mohan Malaviya Engineering College (MMMEC) was upgraded to a university, these Statutes were drafted to govern its constitution, powers, and daily operations. Here is a comprehensive breakdown of the core components covered in the MMMUT First Statutes:

**Statutory Breakdown of Student Mental Health Support Systems Dedicated Yoga and Student Counseling Club (Statute 23(4)(f)):** Statutorily establishes the Yoga and Student Counseling Club under the Council of Student Activities. It provides routine yoga sessions, mindfulness workshops, stress reduction initiatives, and individualized psycho-social counseling to address student anxiety, depressive symptoms, and emotional distress.

**Personality Development and Career Counseling Cell (Statute 23(4)(g)):** Mandates the operation of a dedicated cell focused on mitigating academic performance anxiety, interview stress, and career-related psychological pressure through structured faculty mentorship and professional guidance.

**Student Welfare Governance & Parental Crisis Coordination (Statute 12(a, c, g, k)):** Designates the Dean of Student Affairs to supervise student welfare, co-curricular coordination, and continuous upgrades to student support systems. Under Statute 12(k), the administration is specifically empowered to initiate immediate communication and coordination with parents or guardians during critical situations requiring family assistance or psychological intervention.

**Residential Pastoral Mentorship & Gender-Sensitive Care (Statute 11(2–3)):** Mandates the appointment of faculty members as Assistant Deans of Student Affairs and Hostel Wardens to maintain day-to-day oversight of student residences. Statute 11(3) explicitly requires the appointment of female faculty members to oversee the personal, psychological, and physical well-being of female students.

**Prevention of Psychological Distress and Victimization (Statute 44, Statute 45, and Statute 90):** Imposes a strict zero-tolerance policy against ragging to eliminate peer harassment, fear, and resultant psychological trauma. Statutes 45 and 90 mandate the Women Welfare and Anti-Harassment Cell to ensure an inclusive, secure, and harassment-free educational atmosphere.

**Campus Clinical Facilities & Mental Health Referrals (Statute 89(2)(b)):** Allocates statutory student medical facility usage charges to operate the on-campus Health Centre and Dispensary. This facility provides routine medical check-ups, primary clinical interventions, and external psychiatric/psychological referrals when advanced clinical care is required.

https://mmmut.ac.in/eventsorganized

https://mmmut.ac.in/Hospital

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-3-7

## Activities

**Seminar on SDG 15 – Life on Land**
25 Jun 2025 · Department of Humanities & Social Sciences · MMMUT/SDG/2025/0041
Organised by the Department of HUMANITIES & SOCIAL SCIENCES. Recorded in the university's Annual Progress Report (APR 2025-26, p. 293).

## Partnerships

| Partner | Signed |
|---|---|
| Mahayogi Guru Gorakhnath AYUSH University, Gorakhpur | 24 May 2022 |
| All India Institute of Medical Sciences (AIIMS), Gorakhpur – collaborative training, education and research | 22 May 2023 |
| ICMR-REGIONAL MEDICAL RESEARCH CENTRE, GORAKHPUR (ICMR-RMRCGKP) | 25 Jul 2025 |
| Hanuman Prasad Poddar Cancer Hospital & Research Institute, Gorakhpur | 07 Aug 2025 |

## Policies

| Policy | Approved |
|---|---|
| First Statutes 2025<br>Govt of Uttar Pradesh | 06 Feb 2025 |

## Figures

| Measure | Value | Basis |
|---|---|---|
| Graduates of all levels | 1,473 headcount | Convocation 2025 degree recipients summary signed by the Controller of Examination: grand total 1474 less 1 honorary D.Sc. |
| Graduates in health professions | 65 headcount | B.Pharm graduates, Convocation 2025 summary signed by the Controller of Examination. |

## In the news

| | |
|---|---|
| एमएमएमयूटी : एमबीबीएस के लिए जिला अस्पताल का लेंगे सहयोग | Amar Ujala, 23 May 2025 |

# SDG 7: Affordable and Clean Energy

## Evidence

### 7.2.2 Upgrade buildings to higher energy efficiency

> **Yes. MMMUT plans and carries out upgrades of its existing buildings to higher energy efficiency. Its energy audit (January 2024) set out the upgrades, and between November 2024 and August 2025 it installed 2,500 LED battens, 800 LED lamps, 120 LED flood lights, 120 LED luminaires, 100 five-star BLDC ceiling fans and 350 star-rated ceiling fans (₹25,83,750; the audit and six GeM invoices are attached).**

## Plan: the energy audit

The university's energy audit, carried out by Energy Solution Company, an accredited energy auditing firm, for the Uttar Pradesh New & Renewable Energy Development Agency (UPNEDA) with a site audit on 16 January 2024, identified the upgrades for the existing buildings. Among them: replace the 2,197 conventional ceiling fans with energy-efficient BLDC fans, keep moving lighting to LED, replace an inefficient water pump, add a maximum demand controller and power factor correction, install solar water heating for hostels and the canteen, and replace 3- and 4-star or non-star air conditioners with 5-star units. The full audit report is attached to this page.

## Upgrades carried out

Following the audit, MMMUT replaced old lighting and ceiling fans across its existing buildings with energy-efficient equipment, bought through the Government e-Marketplace (GeM) under purchase approval file MUT-57/2023-24-25. The six GeM invoices, with the store's stock entries, are attached to this page.

| GeM invoice | Date | Equipment installed | Quantity | Value (₹) |
|---|---|---|---|---|
| GEM-50427388 | 20 November 2024 (received into the store 25 April 2025) | Havells Galaxy LED luminaires | 120 | 4,47,600.00 |
| GEM-52718726 | 12 January 2025 | Orient 20 W LED battens (replacing fluorescent tube lights) | 2,500 | 6,75,000.00 |
| GEM-52694342 | 11 January 2025 | Orient 9 W LED lamps | 800 | 76,000.00 |
| GEM-52693410 | 11 January 2025 | Orient 120 W LED flood lights | 120 | 4,74,000.00 |
| GEM-58076091 | 22 April 2025 | Orient 1-star rated ceiling fans | 350 | 6,12,150.00 |
| GEM-62535193 | 18 August 2025 | Atomberg BLDC 5-star rated 1200 mm ceiling fans | 100 | 2,99,000.00 |
| **Total** | | | **3,990 items** | **25,83,750.00** |

### Why it saves energy

- A 20 W LED batten gives the light of a conventional 36–40 W fluorescent tube, about half the power; 2,500 battens replace the tube lights of classrooms, laboratories, hostels and offices.
- 9 W LED lamps replace incandescent and CFL lamps, and LED flood lights and luminaires replace high-wattage sodium and halogen lamps.
- A 5-star BLDC fan uses roughly 28–35 W against 70–80 W for a conventional fan; together with 350 star-rated fans this upgrades 450 of the fans the audit counted, and the replacement of the rest continues.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-2-2

### 7.2.3 Carbon reduction and emission reduction

> **Yes. MMMUT reduces carbon emissions with on-campus solar power and cleaner fuels: a 450.78 kWp solar plant supplying ten buildings gave 2,69,809 kWh from June to November 2025 (about 14% of campus electricity, about 220 t $CO_2$ avoided); under an MoU with Torrent Gas Ltd (13 March 2024) 244 staff quarters and 18 kitchens use piped natural gas in place of about 500 kg of LPG a day; and in 2025 it installed CPCB IV+ natural-gas back-up generators. The bills, MoU, purchase order and invoice are attached.**

## Process for reducing carbon emissions

MMMUT reduces its carbon emissions by using solar electricity generated on campus, by switching campus fuel use to cleaner natural gas, and by research and conferences on low-carbon energy. The solar supply bills, the gas supply agreement and the purchase documents are attached to this page.

### Piped natural gas in place of LPG

Under a Memorandum of Understanding with Torrent Gas Ltd signed on 13 March 2024 (valid ten years), the campus is being connected to the city gas network:

| Item | Detail |
|---|---|
| Residential quarters | 244 staff quarters connected to piped natural gas (PNG) |
| Hostel messes, guest house and canteens | 18 commercial connections, about 633 standard cubic metres of gas a day |
| Fuel replaced | About 500 kg of LPG a day in the messes and canteens |

Natural gas burns more cleanly than LPG cylinders, with lower carbon dioxide emissions per unit of heat and no cylinder transport by road.

### Natural-gas back-up generators

By purchase order MMMUT/Nirman/193/2025 of 30 January 2025 (tender MMMUT/NIRMAN/01/2024) the university bought two natural-gas generator sets that meet the CPCB IV+ emission norms: one of 125 kVA (three-phase) and one of 30 kVA (single-phase), supplied with tax invoice 24-25/060 of 22 March 2025 for ₹35,69,700. Running back-up power on natural gas avoids diesel, and the sets meet India's strictest generator emission standard.

### Solar electricity generated on campus

A 450.78 kWp solar plant on the campus, owned and operated by Cleanmax IPP 1 Private Limited under a power purchase arrangement, supplies ten university buildings: the Ambedkar, Ramanujan, Tilak, Saraswati, Kalpana and Kasturba hostels, the MBA department and MBA classroom block, the ITRC block and the Chemical Engineering department. Each building has its own solar meter; the monthly bills for June to November 2025 are attached.

| Month (2025) | Solar electricity supplied (kWh) |
|---|---|
| June | 55,206.57 |
| July | 48,107.68 |
| August | 44,939.14 |
| September | 43,786.67 |
| October | 38,163.67 |
| November | 39,605.37 |
| **June–November** | **2,69,809.10** |

In these six months the plant supplied 2,69,809 kWh, about 14% of all the electricity the campus used in the same period (16,18,680 kWh came from the grid), and avoided about 220 tonnes of $CO_2$, using the grid emission factor of the university's energy audit (0.82 kg $CO_2$ per kWh).

## Activities

### Dr. Vinod Kumar Shahi PEM Electrolysers in Hydrogen Production

01 December 2025 to 01 December 2025 at MMMUT Gorakhpur. Several participants.

Organised by the Department of Chemical Engineering. Recorded in the university's Annual Progress Report (APR 2024-25, p. 24).

### Dr. Ravi Shankar International Conference on Frontiers in Desalination, Energy, Environment and Material Sciences for Sustainable Development (FEEMSSD-2025)

27 February 2025 to 28 February 2025 at MMMUT Gorakhpur. Several participants.

Organised by the Department of Chemical Engineering. Recorded in the university's Annual Progress Report (APR 2024-25, p. 24).

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-2-3

### 7.2.5 Energy wastage identification

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur reviews its energy use to find where energy is wasted. Its campus energy audit, carried out by an accredited energy auditor for UPNEDA (site audit 16 January 2024), found demand above the contract limit, 2,197 conventional ceiling fans, an 11%-efficient water pump and other wastage, and identified savings of 4,29,825 kWh (17.2% of annual use) a year; the university has since replaced 450 fans and moved lighting to LED.**

## Energy audit of the campus

Madan Mohan Malaviya University of Technology had a detailed energy audit of its campus carried out by Energy Solution Company, Ghaziabad, an energy auditing firm empanelled with UPNEDA, UREDA and MECON, under the Uttar Pradesh New & Renewable Energy Development Agency's (UPNEDA) programme of energy audits of government buildings. The site audit took place on 16 January 2024 and the report (2023-24) was signed by an accredited energy auditor of the Bureau of Energy Efficiency (AEA-0101). The full report is attached to this page.

### What was reviewed

The audit analysed a year of electricity bills (demand, power factor, penalties), the six 400 kVA transformers and power quality, air conditioners, lighting and street lighting, ceiling fans and other loads, the water supply pumps, the 250 kVA diesel generator, the rooftop and ground-mounted solar plant, solar water heating, the building envelope (roof temperatures) and, by thermography, hot spots in electrical panels.

### Where energy is wasted

- **Maximum demand:** recorded demand ranged from 163 to 926 kVA and went above the 700 kVA contract demand in January, April, May, September and November 2023, attracting demand penalties.
- **Ceiling fans:** about 2,197 conventional ceiling fans; replacing them with 28 W BLDC fans was the largest saving identified.
- **Water pumps:** one of the three submersible pumps was running at 11.2% efficiency.
- **Lighting:** lights were found on in empty rooms and offices; switching off in daytime was advised.
- **Hot water:** hostels, the guest house and the canteen heat water with gas or geysers, with no solar water heating.

- **Air conditioning:** 3-star, 4-star and non-star units, where 5-star units save 10–15%.

### Savings identified

| Measure | Energy saved (kWh a year) | Saving (₹ a year) | Investment (₹) | Payback (months) |
|---|---|---|---|---|
| Replace pump-3 with an energy-efficient pump | 37,523 | 4,08,625 | 1,50,000 | 4–5 |
| Improve power factor to 0.999 (APFC panel) | – | 2,17,954 | 1,00,000 | 5–6 |
| Install a maximum demand controller | – | 2,56,880 | 1,50,000 | 7–8 |
| Install solar water heating | 1,54,622 | 16,83,828 | 49,25,000 | 35–36 |
| Replace conventional ceiling fans with 28 W BLDC fans | 2,37,680 | 25,88,335 | 89,13,000 | 41–42 |
| **Total** | **4,29,825** | **51,55,623** | **1,42,38,000** | **33** |

The measures identified would save 4,29,825 kWh a year, 17.23% of the campus's annual consumption of 24,94,950 kWh, and about 352 tonnes of $CO_2$ a year.

### Action on the findings

The university has acted on the audit: in 2025 it replaced 450 ceiling fans (100 five-star BLDC fans and 350 star-rated fans) and installed LED battens, lamps, flood lights and luminaires across its buildings, bought through the Government e-Marketplace.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-2-5

### 7.2.6 Divestment policy

> **MMMUT does not invest its funds in coal, oil or gas. The Finance Controller has certified (ref. MMMUT/COF/276/2026, 3 November 2026) that in 2025 the University had no direct investment in any company that extracts, refines, transports or sells coal, oil or gas or generates coal power, and no indirect investment through any fund of the energy, oil and gas, coal or mining sector. The funds are held only as bank fixed deposits and bank balances, so nothing had to be divested, and the University has committed to keep its funds out of coal, oil and gas companies. The signed certificate is attached.**

## No university funds in coal, oil or gas

Madan Mohan Malaviya University of Technology, Gorakhpur keeps its funds out of carbon-intensive energy industries. The University's Finance Controller has certified, from the books of account and investment records, the position for calendar year 2025 (1 January – 31 December 2025, financial years 2024-25 and 2025-26). The signed certificate is attached.

| Question | Position in 2025 |
|---|---|
| Direct investment in shares, bonds, debentures or other securities of any company that explores for, extracts, refines, transports or sells coal, oil or natural gas, or generates power from coal | None |
| Indirect investment in a mutual fund, exchange-traded fund or other pooled scheme aimed at the energy, oil and gas, coal or mining sector | None |
| Where the University's funds are held | Fixed deposits with banks and bank balances only, under the financial rules of the University |
| Fossil fuel holdings that had to be divested | None, because none were held |

| Question | Position in 2025 |
|---|---|
| Commitment for the future | The University shall continue to keep its funds out of coal, oil and gas companies |

## How the funds are held

The University's audited Balance Sheet as on 31 March 2026 (audited by HCO & Co., Chartered Accountants, report dated 9 June 2026) shows the funds under two heads, and the Finance Controller has confirmed that neither has any coal, oil or gas exposure:

| Head in the Balance Sheet | Coal, oil or gas exposure (31 March 2025 and 31 March 2026) |
|---|---|
| Non-current investments (Note 7): fixed deposits with banks | No |
| Cash and bank balances (Note 10) | No |

## The certificate

- Issued by: Finance Controller, Madan Mohan Malaviya University of Technology, Gorakhpur
- Reference: MMMUT/COF/276/2026, dated 3 November 2026
- Period covered: 1 January – 31 December 2025
- Issued for publication on the University's SDG portal and for the Times Higher Education Sustainability Impact Ratings (SDG 7, indicator 7.2.6)

A bank deposit number on the attached copy is hidden; nothing else is changed.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-2-6

### 7.3.1 Energy usage per sqm

> **Provisional for calendar year 2025: MMMUT used 11,288.7 GJ of energy (28,54,660 kWh of grid electricity = 10,276.8 GJ, 2,69,809 kWh of on-campus solar for June–November = 971.3 GJ, and 38.453 MMBTU of piped natural gas for two gas generator sets = 40.6 GJ) in 1,24,123.59 m² of buildings, i.e. 0.0909 GJ per m². Solar bills for January–May and December and the use of diesel, petrol and LPG are still to be added. The electricity and gas bills are attached.**

## Energy used in 2025 and floor area

Calendar year 2025. **Provisional:** the solar bills for January–May and December 2025 and the records of diesel, petrol and LPG are still being collected, so the total below will rise when they are added.

| Energy source | Quantity | Energy (GJ) |
|---|---|---|
| Grid electricity (PuVVNL) | 28,54,660 kWh | 10,276.8 |
| Solar electricity from the on-campus plant (June–November 2025) | 2,69,809 kWh | 971.3 |
| Piped natural gas for two gas generator sets (Torrent Gas, 12 June – 31 December 2025) | 1,058.56 SCM = 38.453 MMBTU | 40.6 |
| Diesel, petrol, LPG | still to be added | – |
| **Total energy used** | | **11,288.7** |

| Item | Value |
|---|---|
| Floor area of university buildings (built-up space, Annual Progress Report 2025-26, p. 286; excludes 14,769.86 m² under construction) | 1,24,123.59 m² |

| Item | Value |
|---|---|
| **Energy used per m²** | **0.0909 GJ/m²** |

Electricity is converted at 0.0036 GJ per kWh and natural gas at 1.055056 GJ per MMBTU.

## Electricity bought from the grid in 2025

The campus buys its grid electricity from Purvanchal Vidyut Vitran Nigam Ltd (PuVVNL) through one 11 kV high-tension connection (contract demand 700 kVA). The twelve monthly bills that meter calendar year 2025 are attached; bank details and contact numbers on them are hidden.

| Bill | Meter reading period | Electricity used (kWh) |
|---|---|---|
| February 2025 | 1 January – 1 February | 92,800 |
| March 2025 | 1 February – 17 March (meter replaced 5 March) | 2,15,000 |
| April 2025 | 17 March – 17 April | 2,20,800 |
| May 2025 | 17 April – 11 May | 2,76,000 |
| June 2025 | 11 May – 2 June | 1,92,420 |
| July 2025 | 2 June – 1 July | 2,03,320 |
| August 2025 | 1 July – 1 August | 2,31,500 |
| September 2025 (revised) | 1 August – 1 September | 2,96,940 |
| October 2025 | 1 September – 1 October | 4,78,840 |
| November 2025 | 1 October – 1 November | 2,29,460 |
| December 2025 | 1 November – 1 December | 1,78,620 |
| January 2026 | 1 December 2025 – 1 January 2026 | 2,38,960 |
| **Total, 1 January 2025 – 1 January 2026** | | **28,54,660 kWh = 10,276.8 GJ** |

Consumption is the difference of the kWh meter readings times the meter multiplying factor. The readings run without a gap from 1 January 2025 to 1 January 2026. A provisional bill of March 2025 and the first September 2025 bill were replaced by later bills and are not counted. Units the electricity company assessed while the old meter was faulty are not counted; only metered consumption is used.

## Piped natural gas used in 2025

Two gas generator sets run on piped natural gas (PNG) supplied by Torrent Gas Limited: a 125 kVA set at the Administrative Building (Atal Bhawan, customer ID 1000347873, meter 72206543) and a 30 kVA set at the Vice-Chancellor's camp office (customer ID 1000347874, meter 72206525). Both connections were commissioned on 12 June 2025, so 2025 use runs from 12 June to 31 December. Torrent bills every half month; the 26 bills for 2025 are attached (amounts, payment details and contact numbers on them are hidden).

| Month (2025) | Administrative Building (SCM) | VC camp office (SCM) | Total (SCM) | Total (MMBTU) |
|---|---|---|---|---|
| June (from 12 June) | 9.80 | 8.90 | 18.70 | 0.681 |
| July | 171.10 | 36.30 | 207.40 | 7.534 |
| August | 149.98 | 117.50 | 267.48 | 9.781 |
| September | 163.25 | 43.84 | 207.09 | 7.490 |

| Month (2025) | Administrative Building (SCM) | VC camp office (SCM) | Total (SCM) | Total (MMBTU) |
|---|---|---|---|---|
| October | 133.74 | 19.96 | 153.70 | 5.542 |
| November | 60.06 | 19.08 | 79.14 | 2.880 |
| December | 107.76 | 17.29 | 125.05 | 4.545 |
| **12 June – 31 December 2025** | **795.69** | **262.87** | **1,058.56** | **38.453 = 40.6 GJ** |

Each bill states the gas used in standard cubic metres (SCM), the average gross calorific value of the gas (kcal/SCM) and the energy billed in MMBTU (SCM × calorific value ÷ 2,52,000). The MMBTU figures above are the ones printed on the bills. The bills were checked for quality and quantity by the university's construction and maintenance section.

The solar bills are on the low-carbon energy page.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-3-1

### 7.4.1 Local community outreach for energy efficiency

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur local community outreach for energy efficiency as below.**

## Activities

### MNNIT, Clean Energy, Smarter Grid and Better Lives Allahabad

22 April 2025 at MMMUT Gorakhpur.

Organised by the Department of Electrical Engineering. Recorded in the university's Annual Progress Report (APR 2024-25, p. 64).

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-4-1

### 7.4.5 Assistance to low-carbon innovation

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur assistance to low-carbon innovation as below.**

## Media coverage

- Rs 50 Crore grant for MMMUT to set up Green Hydrogen Centre of Excellence, The Times of India, 09 December 2025
- UP govt approves Green Hydrogen Centre of Excellence at IIT-BHU and MMMUT, The Times of India, 11 December 2025

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-4-5

### 7.5.1 Low-carbon energy use

> **Provisional for calendar year 2025: low-carbon energy (on-campus solar, June–November) was 971.3 GJ of 11,288.7 GJ total energy used (grid electricity, solar and piped natural gas), i.e. 8.6%. Only six months of solar bills are in so far; for June–November, with bills on both sides, solar was 14.3% of the electricity used on campus. The solar bills are attached.**

## Low-carbon energy in 2025

A 450.78 kWp solar plant on the campus, operated by Cleanmax IPP 1 Private Limited under a power purchase arrangement, supplies ten university buildings: the Ambedkar, Ramanujan, Tilak, Saraswati, Kalpana and Kasturba hostels, the MBA department and MBA classroom block, the ITRC block and the Chemical Engineering department. Its monthly bills are attached. Grid electricity and the piped natural gas used by the two gas generator sets are not counted as low-carbon.

**Provisional:** the solar bills for January–May and December 2025 and the records of diesel, petrol and LPG are still being collected.

| Item | Energy (GJ) |
|---|---|
| Low-carbon energy: solar electricity, June–November 2025 (2,69,809 kWh) | 971.3 |
| Grid electricity, 2025 (28,54,660 kWh) | 10,276.8 |
| Piped natural gas, 12 June – 31 December 2025 (38.453 MMBTU) | 40.6 |
| Total energy used in 2025 so far (diesel, petrol and LPG still to be added) | 11,288.7 |
| **Share of low-carbon energy** | **8.6%** |

Because only six months of solar bills are in yet, the yearly share above is too low. For the six months with bills on both sides the share is higher:

| Month (2025) | Solar electricity (kWh) | Grid electricity (kWh) |
|---|---|---|
| June | 55,206.57 | 2,03,320 |
| July | 48,107.71 | 2,31,500 |
| August | 44,939.15 | 2,96,940 |
| September | 43,786.66 | 4,78,840 |
| October | 38,163.67 | 2,29,460 |
| November | 39,605.37 | 1,78,620 |
| **June–November** | **2,69,809.13** | **16,18,680** |

From June to November 2025 solar power was 14.3% of the electricity used on campus. Solar figures are the difference of the meter readings of the ten roof meters on each bill. The yearly share will be worked out again from all twelve months.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-5-1

## Partnerships

| Partner | Signed |
|---|---|
| Torrent Gas Ltd – piped natural gas for campus | 13 Mar 2024 |

## Figures

| Measure | Value | Basis |
|---|---|---|
| Electricity bought from the grid | 2,854,660 kWh | PuVVNL HV-1 A/c 6986183000: twelve bills metering 1 January 2025 to 1 January 2026, (present - previous kWh reading) x MF = 2,854,660 kWh = 10,276.8 GJ. Provisional March bill and first September bill... |

| | | |
|---|---|---|
| Solar electricity generated on campus | 269,809.13 kWh | Cleanmax IPP 1 bills, June to November 2025 only (sum of ten roof meters, current - previous reading) = 269,809.13 kWh = 971.3 GJ. PROVISIONAL: January-May and December 2025 bills not yet received. |
| Gross floor area of buildings | 124,123.59 $m^2$ | Built-up space from the Annual Progress Report 2025-26, p. 286; excludes 14,769.86 $m^2$ under construction. |
| Piped natural gas used (two gas generator sets) | 1,058.56 SCM | Torrent Gas, 26 half-monthly bills for calendar 2025 (both connections commissioned 12 June 2025): Administrative Building 125 kVA genset (customer 1000347873, meter 72206543) 795.69 SCM = 28.881 MMBT... |

## In the news

| | |
|---|---|
| Gorakhpur News: एमएमएमयूटी में बनेगा सेंटर ऑफ एक्सीलेंस इन इलेक्ट्रिकल टेस्टिंग एंड एनर्जी सिस्टम रिलायबिलिटी | Amar Ujala, 09 Jun 2025 |
| Rs 50 Crore grant for MMMUT to set up Green Hydrogen Centre of Excellence | The Times of India, 09 Dec 2025 |
| UP govt approves Green Hydrogen Centre of Excellence at IIT-BHU and MMMUT | The Times of India, 11 Dec 2025 |

# SDG 9: Industry, Innovation and Infrastructure

## Evidence

### 9.3.1 Number of university spin offs

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur number of university spin offs as below.**

## Activities

### Hiral Agarwal The Entrepreneurial Mindset: Thinking Like a Founder of Cake O Holics Founder

28 February 2025 at MMMUT Gorakhpur.

Organised by the Department of Pharmaceutical Science and Technology. Recorded in the university's Annual Progress Report (APR 2024-25, p. 174).

### Role of creativity and innovation in Head, Management Studies entrepreneurship Ram Manohar Lohia Awadh University

18 July 2025 at MMMUT Gorakhpur.

Organised by the Department of Pharmaceutical Science and Technology. Recorded in the university's Annual Progress Report (APR 2025-26, p. 273).

### Workshop on Startup Promotion

27 March 2025 at MMMUT Gorakhpur.

Organised by the Department of Electronics & Communication Engineering. Recorded in the university's Annual Progress Report (APR 2024-25, p. 78).

### International FDP on Synergizing Problem & Project Based Learning with Design Thinking for Nurturing Creativity, Innovation and Entrepreneurship

15 September 2025 to 19 September 2025 at MMMUT Gorakhpur.

Organised by the Department of Electronics & Communication Engineering. Recorded in the university's Annual Progress Report (APR 2025-26, p. 139).

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-9/9-3-1

### 9.4.1 Research income from industry and commerce per academic

> **In 2025 MMMUT received ₹67,00,242 (excluding GST) in research and consultancy income from industry and commerce in STEM, from 239 testing and consultancy works recorded in the register of the Dean of Infrastructure & Planning; there was no such income in Medicine or Arts & Humanities / Social Sciences. The full register for 2025 is attached.**

## Figures

| Measure | Value | Basis |
|---|---|---|
| Research and consultancy income from industry and commerce, 2025 (STEM) | ₹67,00,242 | 239 testing and consultancy works for companies, firms, contractors and state enterprises registered as companies, 1 January – 31 December 2025, fees excluding GST, from the register of the Dean of Infrastructure & Planning |
| Research income from industry and commerce, Medicine | 0 | The university has no medical faculty |
| Research income from industry and commerce, Arts & Humanities / Social Sciences | 0 | No commercial research contracts in these disciplines in 2025 |

The full 2025 register, listing every work with its date, test number, department, client, type of client and fee, is attached to this page.

## Testing and consultancy income in 2025 by type of client

| Type of client | Works | Fee excl. GST (₹) |
|---|---|---|
| Industry and commerce | 239 | 67,00,242 |
| Government and public bodies | 266 | 1,66,31,600 |
| Non-profit trusts | 2 | 43,800 |
| Private individuals | 1 | 30,000 |
| **All clients** | **508** | **2,34,05,642** |

Only the first line, income paid by industry and commerce, is reported for this indicator. Work paid for by government departments, municipal bodies, universities and schools is left out.

## By department

| Department | Fee excl. GST, all clients (₹) | Fee excl. GST, industry and commerce (₹) |
|---|---|---|
| Civil Engineering | 2,03,52,450 | 40,89,000 |
| Mechanical Engineering | 28,33,192 | 26,11,242 |
| Electrical Engineering | 2,20,000 | 0 |

## Largest industry and commerce clients in 2025

| Client | Fee excl. GST (₹) |
|---|---|
| U.P. Projects Corporation Ltd | 26,13,650 |
| U.P. State Bridge Corporation Ltd | 11,17,850 |
| Shashank Design and Development | 2,50,000 |
| U.P. Police Avas Nigam Ltd | 1,99,500 |
| UPSCIDCO Ltd | 1,90,200 |

## Basis

**STEM research income:** Under Statute 14(m)–(n) and Statute 18(c) of the First Statutes, 2025, the university undertakes testing, material analysis and technical consultancy for industry, public-sector enterprises and government. Each work is entered in the register kept by the Office of the Dean of Infrastructure & Planning with a test

number (DP/year/department/…), the client and the fee; the receipts are accounted for in the university's audited accounts under "Testing Charges". The figure above is the sum of fees, excluding GST, paid in 2025 by industry and commerce.

**Medicine:** Under the First Statutes, 2025, Madan Mohan Malaviya University of Technology is a specialised non-affiliating technological university and does not operate any faculty, department or clinical programme in Medicine. Both research income and academic staff FTE are entered as 0.

**Arts & Humanities** / **Social Sciences:** Academic programmes in Management and Humanities are conducted under Statute 20(2) through the Department of Humanities and Management Science. No commercial research or testing contracts were generated in these disciplines in 2025.

**Academic staff FTE:** Pursuant to the cadre allocations prescribed under Statute 46(1)(a)–(b) and Statute 20 of the First Statutes, 2025, full-time academic staff counts (FTE) are determined from the university's statutory pay register and the national AISHE figures, split between the engineering and science disciplines (STEM) and the Department of Humanities and Management Science (Social Sciences).

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-9/9-4-1

## Activities

**Seminar on SDG 9 – Industry, Innovation and Infrastructure**
20 Jun 2025 · Department of Humanities & Social Sciences · MMMUT/SDG/2025/0019
Organised by the Department of HUMANITIES & SOCIAL SCIENCES. Recorded in the university's Annual Progress Report (APR 2024-25, p. 191).

## Figures

| Measure | Value | Basis |
|---|---|---|
| Income from Testing and Constultancy | 6,700,242 INR | Industry and commerce clients only: 239 works, 1 Jan – 31 Dec 2025, fees excluding GST, register of the Dean of Infrastructure & Planning (Sheet2). All clients: Rs 2,34,05,642 (508 works). |

# SDG 17: Partnerships for the Goals

## Evidence

### 17.2.2 Cross sectoral dialogue about SDGs

> **Yes. MMMUT initiates and takes part in cross-sectoral dialogue about the SDGs. In 2025 it held a series of SDG seminars and expert lectures (June) and the IEEE-sponsored international conference ICE3-2025 (19–20 September), where speakers from government (National Institute of Solar Energy), industry and universities discussed renewable energy and the transition to net zero.**

## Activities

### Seminar on SDG 12 – Responsible Consumption and Production

22 June 2025 to 22 June 2025 at MMMUT Gorakhpur. Several participants.

Organised by the Department of HUMANITIES & SOCIAL SCIENCES. Recorded in the university's Annual Progress Report (APR 2025-26, p. 293).

### Seminar on SDG 15 – Life on Land

25 June 2025 to 25 June 2025 at MMMUT Gorakhpur. Several participants.

Organised by the Department of HUMANITIES & SOCIAL SCIENCES. Recorded in the university's Annual Progress Report (APR 2025-26, p. 293).

### Expert Lecture on SDG 8 – Decent Work and Economic Growth

19 June 2025 to 19 June 2025 at MMMUT Gorakhpur. Several participants.

Organised by the Department of HUMANITIES & SOCIAL SCIENCES. Recorded in the university's Annual Progress Report (APR 2025-26, p. 292).

### Expert Lecture on SDG 7 – Affordable and Clean Energy

18 June 2025 to 18 June 2025 at MMMUT Gorakhpur. Several participants.

Organised by the Department of HUMANITIES & SOCIAL SCIENCES. Recorded in the university's Annual Progress Report (APR 2025-26, p. 292).

### Expert Lecture on SDG 10 – Reduced Inequalities

20 June 2025 to 20 June 2025 at MMMUT Gorakhpur. Several participants.

Organised by the Department of HUMANITIES & SOCIAL SCIENCES. Recorded in the university's Annual Progress Report (APR 2025-26, p. 292).

### International Conference on Electrical and Electronics Engineering (ICE3-2025)

19–20 September 2025 at MMMUT Gorakhpur, organised by the Department of Electrical Engineering jointly with ABV-Indian Institute of Information Technology and Management, Gwalior; IEEE sponsored. More than 100 participants.

Speakers from government, industry and universities in India and abroad discussed clean energy and the energy

transition (SDG 7 and SDG 13):

| Speaker | Sector | Talk |
|---|---|---|
| Md. Rihan, Director General, National Institute of Solar Energy (Ministry of New and Renewable Energy) | Government | Smart Grid & Renewable Energy Integration |
| Prof. Brij N. Singh, John Deere Inc., USA | Industry | Power electronics for precision agriculture and climate-smart food production systems |
| Deepak L. Waikar, former Chair, IEEE Power & Energy Society Chapter, Singapore | Professional body | Smartly Accelerating Energy Transition for a Sustainable Net Zero Future |
| Prof. Ramesh Bansal, University of Sharjah, UAE | University | Renewable Energy Integration in Smart Grid Environment |
| Prof. Bhim Singh, IIT Delhi | University | Solar Energy – A Sustainable Solution for Humanity |
| Dr. Sumit Tiwari, MNNIT Allahabad | University | Solar Solutions for a Carbon Free World: Innovations and Pathways to Sustainability |
| Dr. Sanjeet Dwivedi, Denmark | Industry | Sun, Wind and Wheels: The Clean Energy – EV Connection |
| Prof. S. N. Singh, Director, ABV-IIITM Gwalior | University | Intelligent System Applications in Solving Engineering Problems |
| Dr. Saroj Waikar, former Publication Director, American Society for Clinical Pathology | Professional body | Asian Women in STEM Education: Challenges and Prospects of the 21st Century |

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-2-2

### 17.2.3 International collaboration data gathering for SDG

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur international collaboration data gathering for SDG as mentioned below.**

## Partnerships (MoUs)

### Ho Chi Minh City University of Technology (HUTECH)

Signed on: 09 October 2025

Memorandum of Understanding between Madan Mohan Malaviya University of Technology, Gorakhpur and Ho Chi Minh City University of Technology (HUTECH), signed on 9 October 2025.

### Ho Chi Minh City University of Economics and Finance (UEF)

Signed on: 09 October 2025

Memorandum of Understanding between Madan Mohan Malaviya University of Technology, Gorakhpur and Ho Chi Minh City University of Economics and Finance (UEF), signed on 9 October 2025.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-2-3

### 17.2.4 Collaboration for SDG best practice

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur collaboration for SDG best practice as mentioned below.**

## Partnerships (MoUs)

### Rashtriya Raksha University, Gandhi Nagar

Signed on: 26 June 2025

Memorandum of Understanding between Madan Mohan Malaviya University of Technology, Gorakhpur and Rashtriya Raksha University, Gandhi Nagar, signed on 26 June 2025.

### Information and Library Network Centre,Gandhinagar

Signed on: 22 July 2025

Memorandum of Understanding between Madan Mohan Malaviya University of Technology, Gorakhpur and Information and Library Network Centre,Gandhinagar, signed on 22 July 2025.

### Rajkiya Engineering College, Kannauj

Signed on: 10 October 2025

Memorandum of Understanding between Madan Mohan Malaviya University of Technology, Gorakhpur and Rajkiya Engineering College, Kannauj, signed on 10 October 2025.

### Siddharth University, Kapilvastu, Siddharthnagar

Signed on: 07 January 2025

Memorandum of Understanding between Madan Mohan Malaviya University of Technology, Gorakhpur and Siddharth University, Kapilvastu, Siddharthnagar, signed on 7 January 2025.

### Jananayak Chandrashekhar University, Ballia

Signed on: 07 January 2025

Memorandum of Understanding between Madan Mohan Malaviya University of Technology, Gorakhpur and Jananayak Chandrashekhar University, Ballia, signed on 7 January 2025.

### Rashtriya Raksha University, Gandhi Nagar

Signed on: 26 June 2025

Memorandum of Understanding between Madan Mohan Malaviya University of Technology, Gorakhpur and Rashtriya Raksha University, Gandhi Nagar, signed on 26 June 2025.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-2-4

### 17.2.5 Collaboration with NGOs for SDGs

> **Yes. MMMUT collaborates with NGOs through student volunteering and community education: with Gurukripa Sansthan, Gorakhpur (MoU of 25 December 2025: social internships and outreach on education, health, skills and freedom from addiction), with the charitable Hanuman Prasad Poddar Cancer Hospital (MoU of 7 August 2025: student Cancer Care Ambassadors) and with Hari Har Pd. Dube Foundation Trust (MoU of 17 February 2025). The MoUs are attached.**

## Collaboration with NGOs for the SDGs

MMMUT works with non-governmental organisations through student volunteering programmes and community

education. The Memoranda of Understanding are attached to this page.

| NGO | Signed | Student volunteering | Educational resources and outreach | SDGs served |
|---|---|---|---|---|
| Gurukripa Sansthan (registered society), Gorakhpur | 25 December 2025, valid 5 years | Social internships for students in community programmes | Programmes for needy urban and rural people on education, health, skills, sport, environment awareness and freedom from addiction; honouring freedom fighters and their families | SDG 3, 4 |
| Hanuman Prasad Poddar Cancer Hospital & Research Institute (charitable trust), Gorakhpur | 7 August 2025, valid 5 years | Students trained as "Cancer Care Ambassador – MMMUT" | Cancer awareness content, walkathon and street plays for the public; internships with stipends | SDG 3 |
| Hari Har Pd. Dube Foundation Trust, Bangalore | 17 February 2025 | | Innovation award for students | SDG 4, 9 |

### Gurukripa Sansthan

Under the MoU signed on 25 December 2025 by the President of Gurukripa Sansthan and the university's Registrar and Dean of Faculty Affairs, the society and the university run outreach for needy people in the city and villages around Gorakhpur: education, health, skill development, sport, environmental awareness and campaigns against addiction, along with programmes that honour freedom fighters and their families. Students take part through social internships. The MoU is valid for five years.

### Hanuman Prasad Poddar Cancer Hospital & Research Institute

The MoU of 7 August 2025 sets up a cancer awareness campaign run by student volunteers trained by the hospital, with public events such as a walkathon and street plays, prizes and internships with stipends.

### Hari Har Pd. Dube Foundation Trust

Memorandum of Understanding between Madan Mohan Malaviya University of Technology, Gorakhpur and Hari Har Pd. Dube Foundation Trust, Bangalore (Innovation Award), signed on 17 February 2025.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-2-5

### 17.3.3 Publication of SDG reports – SDG 3

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 3 (Good Health and Well-being): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 3: Good Health and Well-being** in a dedicated chapter, covering:

- 4 published evidence page(s) on the goal's indicators
- 1 partnerships (MoUs)
- 1 institutional policies

The report is published on the university's SDG portal and attached to this page as a supporting document.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-3

### 17.3.4 Publication of SDG reports – SDG 4

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 4 (Quality Education): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 4: Quality Education** in a dedicated chapter, covering:

- 2 verified activities

The report is published on the university's SDG portal and attached to this page as a supporting document.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-4

### 17.3.5 Publication of SDG reports – SDG 5

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 5 (Gender Equality): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 5: Gender Equality** in a dedicated chapter, covering:

- 3 verified activities

The report is published on the university's SDG portal and attached to this page as a supporting document.

## Partnership with the Hari Har Pd. Dube Foundation Trust

On 17 February 2025 Madan Mohan Malaviya University of Technology, Gorakhpur signed an MoU with the Hari Har Pd. Dube Foundation Trust, Bangalore, a charitable trust, for an Innovation Award at the university. The partnership is coordinated by the Deans of Undergraduate and Postgraduate Studies, Research and Development, and Student Affairs, so that students' innovation projects are recognised and supported by an organisation outside the university. The MoU is recorded in the university's Annual Progress Report 2025-26.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-5

### 17.3.6 Publication of SDG reports – SDG 6

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 6 (Clean Water and Sanitation): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 6: Clean Water and Sanitation** in a dedicated chapter, covering:

- 1 published evidence page(s) on the goal's indicators
- 7 verified activities

The report is published on the university's SDG portal and attached to this page as a supporting document.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-6

### 17.3.7 Publication of SDG reports – SDG 7

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 7 (Affordable and Clean Energy): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 7: Affordable and Clean Energy** in a dedicated chapter, covering:

- 1 published evidence page(s) on the goal's indicators
- 2 verified activities

The report is published on the university's SDG portal and attached to this page as a supporting document.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-7

### 17.3.8 Publication of SDG reports – SDG 8

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 8 (Decent Work and Economic Growth): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 8: Decent Work and Economic Growth** in a dedicated chapter, covering:

- 1 verified activities

The report is published on the university's SDG portal and attached to this page as a supporting document.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-8

### 17.3.9 Publication of SDG reports – SDG 9

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 9 (Industry, Innovation and Infrastructure): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 9: Industry, Innovation and Infrastructure** in a dedicated chapter, covering:

- 1 published evidence page(s) on the goal's indicators
- 1 verified figures

The report is published on the university's SDG portal and attached to this page as a supporting document.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-9

### 17.3.10 Publication of SDG reports – SDG 10

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 10 (Reduced Inequalities): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 10: Reduced Inequalities** in a dedicated chapter, covering:

- 1 institutional policies

The report is published on the university's SDG portal and attached to this page as a supporting document.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-10

### 17.3.13 Publication of SDG reports – SDG 13

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 13 (Climate Action): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 13: Climate Action** in a dedicated chapter, covering:

- 2 verified activities

The report is published on the university's SDG portal and attached to this page as a supporting document.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-13

### 17.3.15 Publication of SDG reports – SDG 15

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 15 (Life on Land): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 15: Life on Land** in a dedicated chapter, covering:

- 1 published evidence page(s) on the goal's indicators
- 1 verified activities

The report is published on the university's SDG portal and attached to this page as a supporting document.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-15

### 17.3.16 Publication of SDG reports – SDG 16

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 16 (Peace, Justice and Strong Institutions): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 16: Peace, Justice and Strong Institutions** in a dedicated chapter, covering:

- 6 published evidence page(s) on the goal's indicators
- 1 institutional policies

The report is published on the university's SDG portal and attached to this page as a supporting document.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-16

### 17.3.17 Publication of SDG reports – SDG 17

> **Yes. Madan Mohan Malaviya University of Technology, Gorakhpur publishes progress against SDG 17 (Partnerships for the Goals): its Sustainable Development Goals Report 2025, a public report for data year 2025, has a dedicated chapter on this goal.**

## SDG report

Madan Mohan Malaviya University of Technology, Gorakhpur publishes an annual Sustainable Development Goals report. The *Sustainable Development Goals Report 2025* (data year 2025) reports the university's activity towards **SDG 17: Partnerships for the Goals** in a dedicated chapter, covering:

- 3 published evidence page(s) on the goal's indicators
- 9 partnerships (MoUs)

The report is published on the university's SDG portal and attached to this page as a supporting document.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-17

### 17.4.1 Education for SDGs commitment to meaningful education

> **Yes. Education on sustainability is compulsory for every B.Tech student at Madan Mohan Malaviya University of Technology, Gorakhpur. Under the 2024-25 scheme of studies of all eight B.Tech programmes (4,695 students), every student takes Environmental Science and Green Chemistry (4**

**credits), Universal Human Values and the Constitution of India, 60 hours of social work and two extracurricular courses such as NSS or NCC, and each programme teaches courses on the goals of its discipline, two of which teach the UN Sustainable Development Goals by name. The syllabi are attached.**

## Sustainability education for every B.Tech student

All eight B.Tech programmes of the university (Civil, Mechanical, Electrical, Electronics and Communication, Electronics and Communication (IoT), Computer Science, Information Technology and Chemical Engineering), with 4,695 students on roll, follow the 160-credit scheme of studies effective from 2024-25. In every programme each student must take:

- **Environmental Science and Green Chemistry** (BSM-140 / BSM-190), a 4-credit core course with the same syllabus in all eight programmes: air pollution, global warming and the greenhouse effect, acid rain and ozone depletion, polymer waste, and green chemical synthesis, with laboratory work on water quality (hardness, BOD, turbidity).
- **Universal Human Values: Understanding Harmony** (BHS-101 / BHS-151), a 4-credit humanities core course on harmony in the self, society and nature, including recyclability and self-regulation in nature and the role of students as global citizens.
- **Constitution of India** (AUC-101), a value-added course on fundamental rights, fundamental duties and the directive principles of state policy.
- **Social work or training of at least 60 hours** during the break after the first year, and a one-week workshop on professional, industry, social and entrepreneurial orientation after the fifth semester, both mandatory.
- **An induction programme and two extracurricular courses**, chosen from National Service Scheme, NCC, skill development, sports and cultural activities. The NSS courses include tree plantation and cleanliness drives, health and legal awareness, environmental education, work in an adopted village, disaster management and the inclusion of persons with disabilities.

The audit courses open to students also include Professional Ethics (environmental ethics and sustainable development), Environmental Laws, Human Rights and Basics of Human Health and Preventive Medicine.

## Courses on the goals in each discipline

| Programme | Courses (2024-25 scheme) | SDGs |
|---|---|---|
| Civil Engineering | Core: BCE 306 Water and Wastewater Engineering; BCE 356 Water Resources Engineering. Electives: ECE 103 Global Warming and Climate Change; ECE 303 Environmental Planning and Management; ECE 403 Disaster Management; ECE 503 Environmental Laws and Policy; ECE 703 Environmental Change and Sustainable Development; ECE 803 Environmental Impact Assessment | 6, 11, 13, 15 |
| Mechanical Engineering | Core: BME-259 Energy Conversion Technologies. Electives: EME-102 Fundamentals of Renewable Energy Sources; EME-202 Energy Conservation and Waste Heat Recovery; EME-302 Renewable Energy Technologies; EME-402 Bioenergy; EME-403 Alternate Fuels; EME-711 Sustainable Energy and EVs; EME-802 Energy Economics and Policy | 7, 12, 13 |
| Electrical Engineering | Electives: EEE-201 Power Generation Engineering; EEE-202 Fundamentals of Electric Vehicles; EEE-401 Emerging Technologies in Renewable Energy Sources; EEE-415 Solar Energy Systems; EEE-801 Smart Grid and Resilient Power System; EEE-816 Energy Efficiency and Conservation; EEE-911 Non-Conventional Energy Resources | 7, 9, 11, 13 |
| Chemical Engineering | Electives: ECH-101 Fundamentals of Food Science and Human Nutrition; ECH-102 Hydrogen and Fuel Cell Technology; ECH-302 Green Hydrogen Production Techniques; ECH-502 Biohydrogen Production; ECH-601 Chemical Process Safety; ECH-604 Desalination and Cleaner Water Production with Membrane Technologies; ECH-903 Materials for Sustainable Engineering | 2, 3, 6, 7, 12 |

| Programme | Courses (2024-25 scheme) | SDGs |
|---|---|---|
| Information Technology | Elective: EIT-202 Green Computing and Sustainable IT Systems (e-waste, ISO 14001, energy-efficient computing) | 7, 12, 13 |
| Computer Science and Engineering | Electives: ECS-509 Spatial Information Technology (disaster management, smart cities, climate change); ECS-907 Blockchain for Social Impact: Democracy and Governance | 11, 13, 16 |

Two courses teach the United Nations Sustainable Development Goals by name: ECE 703 Environmental Change and Sustainable Development (the SDGs and India's progress, national missions aligned with the SDGs) and EEE-911 Non-Conventional Energy Resources, which opens with an introduction to the SDGs.

## Postgraduate programmes on sustainability

- **M.Tech in Environmental Engineering**: core courses on environmental chemistry and microbiology, water treatment and distribution, wastewater treatment, air and noise pollution control, and solid waste management.
- **M.Tech in Energy Technology and Management**: core courses on advanced energy conversion and clean energy systems, with electives on energy storage, energy management and audit, alternative fuels and the environmental impact of energy systems.

Alongside the curriculum, Sustainable June 2025 brought 17 expert lectures, one on each goal, to students of all branches. The syllabi of all eight B.Tech programmes, of the extracurricular courses and of the two M.Tech programmes are attached to this page.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-4-1

### 17.4.2 Education for SDGs: specific courses on sustainability

> **Yes. MMMUT offers dedicated courses on sustainability and the SDGs in its B.Tech scheme of studies effective from 2024-25: Environmental Science and Green Chemistry (BSM-140/BSM-190) is compulsory for all 4,695 B.Tech students, and 32 sustainability courses are taught across eight branches, including Sustainable Development (ECE 704), Renewable Energy Technologies (EME-302), Solar Energy Systems (EEE-415) and Green Hydrogen Production Techniques (ECH-302).**

## Dedicated courses on sustainability

The B.Tech scheme of studies of Madan Mohan Malaviya University of Technology, Gorakhpur, effective from 2024-25, includes 32 courses whose main subject is sustainability, the environment, clean energy or safety. The list below comes from the published syllabi of the eight B.Tech branches.

### Compulsory for every B.Tech student

- **BSM-140 / BSM-190 Environmental Science and Green Chemistry** is a basic-science course in all eight branches. It is taken by all 4,695 B.Tech students on roll (APR 2025-26), including the 1,065 students admitted to the first year.
- **AUC-116/117 Constitution of India and Environmental Governance** is an audit course on environmental law and the constitutional duty to protect the environment.

### Branch courses

| Department | Course | Type | SDGs |
|---|---|---|---|
| Civil Engineering | BCE 306 Water and Wastewater Engineering | Core | 6 |
| Civil Engineering | BCE 355 Water Resources Engineering | Core | 6 |
| Civil Engineering | ECE 104 Global Warming and Climate Change | Elective | 13 |

| Department | Course | Type | SDGs |
|---|---|---|---|
| Civil Engineering | ECE 203 Environmental Chemistry | Elective | 6, 12 |
| Civil Engineering | ECE 303 Environmental Planning | Elective | 11 |
| Civil Engineering | ECE 403 Disaster Management | Elective | 11, 13 |
| Civil Engineering | ECE 604 Water Distribution Systems | Elective | 6 |
| Civil Engineering | ECE 703 Environmental Impact Assessment | Elective | 15 |
| Civil Engineering | ECE 704 Sustainable Development | Elective | all |
| Civil Engineering | ECE 705 Water Resources Management | Elective | 6 |
| Civil Engineering | ECE 905 Environmental Data Science and Analytics | Elective | 13 |
| Mechanical Engineering | BME-259 Energy Conversion Technologies | Core | 7 |
| Mechanical Engineering | EME-102 Fundamentals of Renewable Energy Sources | Elective | 7 |
| Mechanical Engineering | EME-202 Energy Conservation and Waste Heat Recovery | Elective | 7, 12 |
| Mechanical Engineering | EME-302 Renewable Energy Technologies | Elective | 7 |
| Mechanical Engineering | EME-502 Energy Storage Systems | Elective | 7 |
| Mechanical Engineering | EME-702 Environmental Impact Assessment | Elective | 15 |
| Mechanical Engineering | EME-711 Sustainable Energy and EVs | Elective | 7, 11 |
| Mechanical Engineering | EME-802 Energy Economics and Policy | Elective | 7 |
| Electrical Engineering | EEE-202 Fundamentals of Electric Vehicles | Elective | 7, 11 |
| Electrical Engineering | EEE-401 Emerging Technologies in Renewable Energy Sources | Elective | 7 |
| Electrical Engineering | EEE-415 Solar Energy Systems | Elective | 7 |
| Electrical Engineering | EEE-801 Smart Grid and Resilient Power System | Elective | 7, 9 |
| Electrical Engineering | EEE-904 Smart Grid: Basics to Advanced Technologies | Elective | 7, 9 |
| Electrical Engineering | EEE-913 SCADA and Energy Management System | Elective | 7 |
| Chemical Engineering | ECH-302 Green Hydrogen Production Techniques | Elective | 7, 13 |
| Chemical Engineering | ECH-401 Principles of Safety Management | Elective | 3, 8 |
| Chemical Engineering | ECH-502 Biohydrogen Production | Elective | 7 |
| Chemical Engineering | ECH-601 Chemical Process Safety | Elective | 3, 8 |
| Chemical Engineering | ECH-903 Materials for Sustainable Engineering | Elective | 9, 12 |

Courses are taught in 4 engineering departments in addition to the compulsory courses for all 8 branches. The syllabi of the Civil, Mechanical, Electrical and Chemical Engineering branches are attached to this page, and all syllabi are published on the university website.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-4-2

### 17.4.3 Education for SDGs in the wider community

> **Yes. Through its Office of Extension, Field Outreach and Alumni Relations and its departments, MMMUT runs educational outreach for people outside the university: school children of its adopted villages, students of government inter colleges, underprivileged children and village residents. In 2025 this included Padhe Vishwavidyalaya Badhe Vishwavidyalaya (7 March 2025), in which 328 school children from adopted villages took part, and a vaccination awareness camp in Mathia village (9 December 2025).**

## Education for the SDGs beyond the campus

Madan Mohan Malaviya University of Technology, Gorakhpur takes its teaching beyond its own students. The Associate Dean of Extension, Field Outreach and Alumni Relations works with the schools of the villages the university has adopted, and departments bring health, career and science education to schools and villages in Gorakhpur and Deoria. The activities below are recorded in the university's Annual Progress Reports; each is linked with its APR page as proof.

## Activities in 2025

| Date | Activity | Who it reached | SDGs | Source |
|---|---|---|---|---|
| 7 March 2025 | **Padhe Vishwavidyalaya Badhe Vishwavidyalaya**, with pledges for a dowry-free and a drug-free India (Office of Extension, Field Outreach and Alumni Relations) | 328 school children from adopted villages, with 3,265 students, 140 teachers and 195 staff | 4, 5, 3 | APR 2024-25, p. 73 |
| 16 January 2025 | Career guidance at **PANKH**, the district-level career guidance programme and career fair at PM Shri Government Inter College, Deoria (Humanities and Social Sciences) | Senior secondary students of inter colleges of Deoria district | 4, 8 | APR 2024-25, p. 196 |
| 14 April 2025 | Motivational talk and distribution of stationery to underprivileged children at Malaviya Shiksha Niketan, on Dr. B. R. Ambedkar Jayanti (Humanities and Social Sciences) | Underprivileged children | 4, 10 | APR 2024-25, p. 196 |
| October 2025 | Educational work in the schools of the adopted villages (Office of Extension, Field Outreach and Alumni Relations) | School children of adopted villages | 4 | APR 2025-26, p. 130 |
| 9 December 2025 | **Pharmacists as Advocates of Vaccination**: health and vaccination awareness camp in Mathia village (Pharmaceutical Science and Technology) | Residents of Mathia village | 3 | APR 2025-26, p. 268 |
| 26 December 2025 | Visit of Army Public School Gorakhpur students to the Robotics and Drone Lab and the IoT Lab (Electronics and Communication Engineering) | School students | 4, 9 | APR 2025-26, p. 168 |

## Why it matters

These activities carry the university's knowledge to people who are not its students: children in village schools learn about higher education and technology, senior secondary students get career guidance, and village families learn why vaccination protects them. In 2025 the university ran 6 such outreach activities in Gorakhpur and Deoria districts.

Evidence page: https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-4-3

## Activities

**Expert Lecture on SDG 1 – No Poverty**
10 Jun 2025 · Department of Humanities & Social Sciences · MMMUT/SDG/2025/0007
Organised by the Department of HUMANITIES & SOCIAL SCIENCES. Recorded in the university's Annual Progress Report (APR 2024-25, p. 190).

**SDG 2 – Zero Hunger**
11 Jun 2025 · Department of Humanities & Social Sciences · MMMUT/SDG/2025/0017
Organised by the Department of HUMANITIES & SOCIAL SCIENCES. Recorded in the university's Annual Progress Report (APR 2024-25, p. 191).

**Expert Lecture on SDG 4 – Quality Education**
13 Jun 2025 · Department of Humanities & Social Sciences · MMMUT/SDG/2025/0009
Organised by the Department of HUMANITIES & SOCIAL SCIENCES. Recorded in the university's Annual Progress Report (APR 2024-25, p. 190).

**International Seminar on SDG 11 – Sustainable Cities and Communities**
21 Jun 2025 · Department of Humanities & Social Sciences · MMMUT/SDG/2025/0020
Organised by the Department of HUMANITIES & SOCIAL SCIENCES. Recorded in the university's Annual Progress Report (APR 2024-25, p. 191).

## Partnerships

| Partner | Signed |
|---|---|
| Siddharth University, Kapilvastu, Siddharthnagar | 07 Jan 2025 |
| Jananayak Chandrashekhar University, Ballia | 07 Jan 2025 |
| Hari Har Pd. Dube Foundation Trust, Bangalore (Innovation Award) | 17 Feb 2025 |
| Rashtriya Raksha University, Gandhi Nagar | 26 Jun 2025 |
| Rashtriya Raksha University, Gandhi Nagar | 26 Jun 2025 |
| Information and Library Network Centre,Gandhinagar | 22 Jul 2025 |
| Hanuman Prasad Poddar Cancer Hospital & Research Institute, Gorakhpur | 07 Aug 2025 |
| Ho Chi Minh City University of Technology (HUTECH) | 09 Oct 2025 |
| Ho Chi Minh City University of Economics and Finance (UEF) | 09 Oct 2025 |
| Rajkiya Engineering College, Kannauj | 10 Oct 2025 |
| Gurukripa Sansthan, Gorakhpur | 25 Dec 2025 |

# Appendix: evidence pages

| Indicator | Title | Public page |
|---|---|---|
| 3.2.1 | Proportion of graduates in health professions | https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-2-1 |
| 3.3.1 | Current collaborations with health institutions | https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-3-1 |
| 3.3.2 | Health outreach programmes | https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-3-2 |
| 3.3.4 | Sexual and reproductive health services | https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-3-4 |
| 3.3.5 | Mental health support for students | https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-3-5 |
| 3.3.6 | Smoke-free policy | https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-3-6 |
| 3.3.7 | Mental health support for staff | https://sdg.mmmut.ac.in/evidence/2025/sdg-3/3-3-7 |
| 7.2.2 | Upgrade buildings to higher energy efficiency | https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-2-2 |
| 7.2.3 | Carbon reduction and emission reduction | https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-2-3 |
| 7.2.5 | Energy wastage identification | https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-2-5 |
| 7.2.6 | Divestment policy | https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-2-6 |
| 7.3.1 | Energy usage per sqm | https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-3-1 |
| 7.4.1 | Local community outreach for energy efficiency | https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-4-1 |
| 7.4.5 | Assistance to low-carbon innovation | https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-4-5 |
| 7.5.1 | Low-carbon energy use | https://sdg.mmmut.ac.in/evidence/2025/sdg-7/7-5-1 |
| 9.3.1 | Number of university spin offs | https://sdg.mmmut.ac.in/evidence/2025/sdg-9/9-3-1 |
| 9.4.1 | Research income from industry and commerce per academic | https://sdg.mmmut.ac.in/evidence/2025/sdg-9/9-4-1 |
| 17.2.2 | Cross sectoral dialogue about SDGs | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-2-2 |
| 17.2.3 | International collaboration data gathering for SDG | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-2-3 |
| 17.2.4 | Collaboration for SDG best practice | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-2-4 |
| 17.2.5 | Collaboration with NGOs for SDGs | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-2-5 |
| 17.3.3 | Publication of SDG reports – SDG 3 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-3 |
| 17.3.4 | Publication of SDG reports – SDG 4 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-4 |
| 17.3.5 | Publication of SDG reports – SDG 5 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-5 |
| 17.3.6 | Publication of SDG reports – SDG 6 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-6 |
| 17.3.7 | Publication of SDG reports – SDG 7 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-7 |
| 17.3.8 | Publication of SDG reports – SDG 8 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-8 |
| 17.3.9 | Publication of SDG reports – SDG 9 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-9 |
| 17.3.10 | Publication of SDG reports – SDG 10 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-10 |
| 17.3.13 | Publication of SDG reports – SDG 13 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-13 |
| 17.3.15 | Publication of SDG reports – SDG 15 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-15 |
| 17.3.16 | Publication of SDG reports – SDG 16 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-16 |
| 17.3.17 | Publication of SDG reports – SDG 17 | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-3-17 |

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|---|---|---|
| 17.4.1 | Education for SDGs commitment to meaningful education | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-4-1 |
| 17.4.2 | Education for SDGs: specific courses on sustainability | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-4-2 |
| 17.4.3 | Education for SDGs in the wider community | https://sdg.mmmut.ac.in/evidence/2025/sdg-17/17-4-3 |