

University : MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS)
Country : India
Web Address : <https://mits.ac.in/>

[6] Education and Research (ED)

[6.1] Number of Courses/Subjects Related to Sustainability Offered

MITS, Deemed to be University, has incorporated sustainability education into its curriculum through the R20 (2020), R23 (2023), and R25 (2025) Regulations. Sustainability concepts are embedded across undergraduate and postgraduate programmes in engineering, management, and computer applications. The institution aligns its curriculum with the United Nations Sustainable Development Goals by mapping individual courses to relevant SDGs and encouraging interdisciplinary learning, environmental awareness, renewable energy, resource conservation, circular economy, climate action, ethics, and community engagement.

The University has established a dedicated SDG Cell and implemented SDG Curriculum Mapping to ensure sustainability competencies are incorporated throughout academic programmes. The curriculum includes both mandatory foundation courses (such as Environmental Science, Universal Human Values) and department-specific electives focusing on renewable energy, electric vehicles, carbon footprint reduction, waste management, sustainable development, green manufacturing, and environmental engineering. R25 regulation further strengthens these initiatives by continuing sustainability-oriented curriculum integration across all newly introduced programmes.

All sustainable related courses are mapped on the University's website: <https://mits.ac.in/sdg-cell#ug-tab21>
(Times Higher Education (THE) Impact Ranking → SDGs (1-17) → Curriculum)

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS)				
(Deemed to be University)				
NAAC Accredited with A+ Grade, NIRF India Rankings 2025- Band: 201-300 (Engg.)				
NBA Accredited - B.Tech. (CIVIL, CSE, CST, ECE, EEE, MECH), MBA & MCA				
UG & PG (R25) Regulation Curriculum				SDG linked to the Curriculum
S.No	Course Code	Course Name	SDG Mapped	Department
1	25MCMBAPC01	Rural Immersion Project	1	MBA
2	25MCMBAPC02	Comprehensive Project Work	1	

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE				
(UGC-AUTONOMOUS INSTITUTION)				
Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi				
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NBA Accredited - B.Tech. (CIVIL, CSE, CST, ECE, EEE, MECH), MBA & MCA				
B. Tech (R20,R23) Regulation Curriculum				SDG linked to the Curriculum
S.No	Course Code	Course Name	SDG Mapped	Department
1	20CE901	Disaster Management	1	CIVIL,EEE

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B. Tech (R20,R23) Regulation Curriculum			SDG linked to the Curriculum	
S.No	Course Code	Course Name	SDG Mapped	Department
1	23ENG101	Communicative English	3	ALL DEPARTMENTS
2	23ENG201	Communicative English Laboratory	3	
3	23HUM201	Health and Wellness, Yoga and Sports	3	
4	23HUM101	Universal Human Values	3	
5	20ECE403	Bio-Medical Electronics	3	ECE
6	20ME408	Refrigeration and Air Conditioning	3	MECH
7	20ME410	Renewable Energy Systems	3	
8	20ME411	Carbon Footprint Estimation and Reduction	3	

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B. Tech (R25) Regulation Curriculum			SDG linked to the Curriculum	
S.No	Course Code	Course Name	SDG Mapped	Department
1	25BAENGTC01	Professional Communication	4	ALL DEPARTMENTS
2	25BAENGLC01	Professional Communication Laboratory	4	
3	25BAPHYTC02	Semiconductor Physics	4	
4	25BACSETC01	C Programming for Problem Solving	4	CIVIL,EEE,ECE,MECH
5	25BAPHYLC01	Physics Laboratory	4	
6	25BACHETC02	Chemistry for Electronics	4	
7	25BACHELC02	Applied Chemistry Laboratory	4	

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B. Tech (R20,R23) Regulation Curriculum			SDG linked to the Curriculum	
S.No	Course Code	Course Name	SDG Mapped	Department
1	23ENG101	Communicative English	4	CIVIL
2	23ENG201	Communicative English Laboratory	4	
3	23HUM101	Universal Human Values	4	
4	23HUM202	NSS / NCC / Scouts and Guides / Community Service	4	
5	23ECE103	Electronic Devices and Circuits	4	
6	23ECE104	Digital Circuits Design	4	
7	23ECE202	Electronic Devices and Circuits Laboratory	4	
8	23ECE203	Digital Circuits and Signal Simulation Lab	4	
9	23ECE106	EM Waves and Transmission Lines	4	
10	23ECE107	Analog Circuits	4	
11	20ECE416	Digital Image and Video Processing	4	
12	20ECE417	Wireless Sensor Networks	4	
13	20ECE418	Satellite Communication	4	
14	20ECE420	RFICs	4	
15	20ECE421	Community Radio Technology	4	
16	20ECE602	Sensors and Instrumentation	4	
17	20ECE603	MATLAB for Engineers	4	
18	20ECE604	PCB Designing	4	
19	20ECE608	Internet of Things	4	
20	23ECE108	Analog Communication	4	
21	20ECE108	Electromagnetic Fields and Transmission Lines	4	
22	20ECE110	Digital Signal Processing	4	



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[6] Education and Research (ED)

[6.2] Total Number of Courses/Subjects Offered

MITS - Deemed to be University offers a comprehensive range of undergraduate, and postgraduate courses across Engineering, Computer Science, Management, Basic Sciences, Humanities, and Computer Applications. The university follows choice-based credit system (CBCS) and outcome-based education (OBE), where each academic programme comprises a well-defined curriculum consisting of core courses, professional electives, open electives, laboratory courses, project work, internships, seminars, and skill enhancement courses.

The university currently offers 20 major academic programmes, including 12 Undergraduate (UG) programmes and 8 Postgraduate (PG) programmes, in addition to Ph.D. programmes in various disciplines. These programmes are delivered through specialized departments such as Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Computer Science & Engineering and its specializations, Computer Science & Technology, Basic Sciences & Humanities, Management Studies, and Computer Applications.

UG Programmes

- B.Tech – Computer Science & Engineering (CSE)
- B.Tech – CSE (Artificial Intelligence & Data Science)
- B.Tech – CSE (Artificial Intelligence & Machine Learning)
- B.Tech – CSE (Cyber Security)
- B.Tech – Electronics & Communication Engineering
- B.Tech – Electrical & Electronics Engineering
- B.Tech – Mechanical Engineering
- B.Tech – Civil Engineering

PG Programmes

- M.Tech – CSE
- M.Tech – ECE (VLSI Design & Embedded Systems)
- M.Tech – Electrical Engineering (Electric Vehicle Technology)
- MBA
- MCA

The courses/modules currently offered are:

Total number of courses/modules offered (AY 2025-2026)	~1200
Sustainability related courses/modules (AY 2025-2026)	~60
Percentage of sustainability-related courses (AY 2025-2026)	~ 5 %
Total Courses/Programmes Offered (AY 2025-2026)	20

Evidence link:

- <https://mits.ac.in/academic-syllabus> (R25 Regulation)
- <https://mits.ac.in/school-of-engineering> (R20 & R23 Regulations)
- <https://mits.ac.in/school-of-computing> (R20 & R23 Regulations)
- <https://mits.ac.in/school-of-management> (R20 & R23 Regulations)
- <https://mits.ac.in/school-of-artificial-intelligence> (R20 & R23 Regulations)

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[6] Education and Research (ED)

[6.3] Total number of study program related to sustainability offered

MITS offers at least 10 study programmes that directly integrate sustainability, environmental protection, renewable energy, resource conservation, green technologies, and sustainable development concepts.

Sl. No.	Study Programme	Sustainability Relevance
1	B.Tech Civil Engineering	Sustainable infrastructure, green buildings, water resources, environmental engineering
2	B.Tech Mechanical Engineering	Energy efficiency, sustainable manufacturing, renewable energy
3	B.Tech Electrical & Electronics Engineering	Renewable energy systems, smart grids, energy conservation
4	B.Tech Electronics & Communication Engineering	Energy-efficient electronic systems, smart technologies
5	B.Tech Computer Science & Engineering	Smart city technologies, AI for sustainability, environmental monitoring
6	B.Tech Artificial Intelligence & Data Science	Data analytics for sustainable development and resource management
7	B.Tech Agricultural Engineering	Sustainable agriculture, water conservation, precision farming
8	M.Tech Programmes	Research in renewable energy, sustainable materials, environmental technologies
9	MBA	Sustainable business practices, ESG awareness, responsible management

Madanapalle Institute of Technology & Science (MITS), Deemed to be University, has integrated sustainability principles into its academic programmes in alignment with the United Nations Sustainable Development Goals (SDGs). Sustainability education is delivered through undergraduate, postgraduate, and research programmes across engineering, science, and management disciplines.

The University incorporates sustainability-related topics into the curriculum through courses, laboratory work, student projects, internships, seminars, workshops, and interdisciplinary research. Major areas covered include:

- Environmental Engineering
- Renewable Energy Technologies
- Climate Change Mitigation
- Sustainable Infrastructure
- Green Manufacturing
- Resource Conservation
- Water Resource Management
- Waste Management
- Green Chemistry
- Sustainable Agriculture

- Environmental Monitoring
- Sustainable Materials
- Circular Economy
- Smart Cities
- Energy Conservation

Through the Curriculum Refresh Programme and NEP-based curriculum revisions, sustainability concepts are embedded across multiple programmes rather than being confined to a single department. Students are encouraged to undertake project-based learning, community outreach, innovation activities, and research addressing real-world environmental and societal challenges.

The University further strengthens sustainability education through its SDG Cell, research centres, NSS activities, environmental awareness programmes, tree plantation drives, water conservation initiatives, green campus practices, and interdisciplinary research focusing on sustainable development. Sustainability principles are integrated into academic programmes, research activities, institutional policies, and community engagement initiatives to prepare graduates capable of addressing global environmental and social challenges.

Additional Evidence Links

- [QS Sustainability – MITS Deemed to be University](#)
- [SDG Cell – MITS Deemed to be University](#)
- [NEP Cell and Curriculum](#)
- [Academic Programmes](#)

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[6] Education and Research (ED)

[6.5] Total Research Funds Dedicated to Sustainability Research (in US Dollars)

S.No.	Name of the Faculty	Department	Title of the Project	Amount (\$)
Seed Grant for AY: 2023-24				
1.	Dr. Anantha Raman L	ME	Thermo Electric Refrigeration System	315.9
2.	Dr.S.Baskaran	ME	Zinc Coating on Aluminium Alloy	315.9
3.	Mr. S Manoj Kumar	ME	Salt Spray Corrosion Test Chamber	315.9
4.	Mr. Pujari Rajesh	ME	Mechanical Properties Enhancement of 3D Printed Components	315.9
5.	Mr. Reddi Lakshman S	ME	Evaporative Air Conditioning System	315.9
6.	Dr. K. Arul Kumar	EEE	STARTUP Registration	105.3
7.	Dr. Ananta Raman L	ME	Developing a Thermos-Electric based Portable Ice Maker	84.24
Sub Total				1769.04
Seed Grant for AY: 2024-25				
8.	Mr. P. Sabarishkumar	CE	Development of Bio Brick with Polymer Treatment	231.66
9.	Dr. Sonu Kumar Gupta	CE	Development and Design of Polymeric Composites as a Building Material	294.84
10.	Dr. Surya Dev Singh	CE	Structural Analysis of Composite Plate	242.19
11.	Dr. Pradyut Anand	CE	Bond Strength of Aerated Concrete Block	273.78
12.	Dr. S. Kusuma	CSE-DS	AI Powered Personnel Health Assistant	210.6
13.	Dr. M. Kiran Kumar	CSE-DS	Smart Agriculture Platform	210.6
14.	Mr. B. Bhaskar	CSE-DS	Inclusive ED Tech Platform for Special Need Students	263.25
15.	Mrs. Vidhyashree B	CSE-DS	Disaster Response and Relief Coordination App	157.95
16.	Mr. A. Kalyan Kumar	CSE-DS	Block Chain Based Academic Credential Verification	157.95
17.	Dr. M. Sreedevi	CSE	Securing DevOps Pipelines: Integrating Security in to CI/CD Workflows	284.31

18.	Dr. R. Nidhya	CSE	Developing Prototype for a Early Diagnosis of Autism Disorder using FMRI Data	273.78
19.	Dr. K. Sree Divya	CSE	Asset Mapping using Data Analytics for Effective Community Development	252.72
20.	Mrs. G. Vasundara Devi	CSE	Automating Document Classification in Big Data Repositories with Deep Neural Networks	242.19
21.	Dr. Sivaraj C	MCA	Advanced UAV Detection and Tracking Framework for Enhanced Surveillance	263.25
22.	Dr. N. Nirmala Devi	MCA	A Smart Agriculture System for Plant Diseases Review, Efficient Detector and Detection using Drone	231.66
23.	Dr. K. Nirmala Devi	MCA	Predictive Maintenance in Industries using IOT Sensors	252.72
24.	Dr. M. Saravanamuthu	MCA	Health Care Monitoring System using IOT Wearables	284.31
25.	Dr. Grande Naga Jyothi	ECE	ECG Signal Denoising and Classification using FIR Filters and Deep Neural Networks	210.6
26.	Dr. G. Reddy Hemantha	ECE	Smart Water Management System Using IOT	221.13
27.	Dr. R. Ravindraiah	ECE	An Optimized Learning Methods for the Classification of Diabetic Retinal Images	200.07
28.	Dr. R. Kiran Kumar	ECE	Energy Efficient and High Performing Modified TRNG Based Two Phase Multi Bit Per Cycle Ring Oscillator for IOT Applications	231.66
29.	Dr. Gutti Nagaswetha	ECE	Implementation of Electricity Generation From Food Wastage Based Bio Energy with IOT and ANN	242.19
30.	Dr. A. V. Pavan Kumar	EEE	Solar Panel Cleaning Robot	263.25
31.	Dr. T. S. Balaji Damodhar	EEE	Design, Simulation and Implementation of Independent Solar Power Systems	263.25
32.	Dr. K. Arul Kumar	EEE	Intelligent Power Controller for RES	263.25
33.	Dr. K. Lakshmikhandan	EEE	E Vehicles for Local Mobility	263.25

34.	Dr. D J Ashpin Pabi	CSE	Zero-Shot Remote Sensing Scense Classification Using a Vision-Language Supervision based on RS - CLIP Model	284.31
35.	Mr. T Thangarasan	CSE	Predicting Severity of Osteoarthritis Using Recurrent Convolutional Neural Networks (RCNN) and Medical Imaging Data	273.78
36.	Mr. Harshavardhan V	CSE	MIT S OptElective	252.72
37.	Mr. Makesh Kumar V	CSE	MIT S Attendance Tracker	242.19
38.	Mr. Chodagam Srinivas	EEE	Impact of Battery Aging on SOC Prediction Accuracy	263.25
39.	Mr. M Venkatesh	EEE	Intelligent Battery Management System Using Fuzzy Logic and Adaptive Neural Networks	263.25
40.	Dr.Vineet Kumar	EEE	Advanced Optimal Controller Design for UAVs	315.9
41.	Mr. Ibrahim Zafar	EEE	Load frequency Control in multi area power system	315.9
Sub Total				8497.71
Seed Grant for AY: 2025-26				
42.	Dr.Anantha Raman L	ME	AI-Assisted Optimization of Exhaust Gas Recirculation in Biodiesel Fueled Diesel Engines for Ultra-Low Emissions	1053
43.	Dr. K. P. Manikandan	CSE-CS	Secure Data Wiping for Trustworthy IT Asset Recycling	526.5
44.	A. Komala	CSE-CS	Translating Kautilyas Arthasastra into an interactive learning app: an IKS based educational Research	526.5
45.	M. Sri Lakshmi Preethi	CSE-CS	Crisis Care: Your Trusted Companion in Times of Urgency and Crisis	526.5
46.	T Niranjan Babu	CSE-CS	Automated Student Attendance Monitoring & Analytics System	526.5
47.	Dr. M. Sreedevi	CSE	Low-Cost AI-Based Health Monitoring and Alert System for Elderly Care	526.5
48.	Dr. R. Nidhya	CSE	Smart Fall Detection and Emergency Alert System for Senior Citizens Using AI	526.5
49.	Dr. G. Arun Kumar	CSE	Lung Cancer Detection Using Deep Learning Optimized with Particle Swarm Optimization	526.5
50.	Dr. R. Sudhakar	CSE	Adaptive neuro fuzzy inference system for lung cancer detection and severity level classification using CT image	526.5

51.	Dr. K. Sree Divya	CSE	Smart Energy Monitoring and Optimization System for Institutional Buildings Using IoT	526.5
52.	Mrs. S. Varshadevi	CSE	Federated Learning Framework for Privacy-Preserving Intelligence in IoT Devices	526.5
53.	Dr. Y. Sudheer Kumar	CE	Preparation Eco – Brick from Multi waste streams	421.2
54.	Dr. N Sai Priya	CE	Integrated Circular Economy planning framework for sustainable campus development	315.9
55.	Mrs. Kandukuri Anitha	CE	Performance Assessment Sustainable Self Compacting Concrete Using GGBS and Treated Wastewater under Different Exposure Conditions	210.6
56.	Mr. B. Veeresh	CE	Identification and Removal of Toxic elements from ground water using Bio Absorbents	157.95
57.	Dr. G. Reddy Hemantha	ECE	A Portable IoT-Driven Diagnostic Platform for Early Cardiac Event Detection using Deep Neural Network Architectures	263.25
58.	Mr. G. Charan Kumar	ECE	AI-Assisted Real-Time Fault Detection and Diagnosis in Smart Power Electronic Systems	263.25
59.	Mrs. K. Revathi	ECE	Design and FPGA Implementation of an Energy-Efficient RISC-V Processor for Edge Computing Applications	263.25
60.	Mr. M. Kamesh	ECE	Design and Performance Analysis of a Gain-Enhanced T-Shape SIW Antenna Using Hexagonal Split Ring Resonators	263.25
61.	Dr. R Kalpana	CSE-AI	Optimizing e-commerce insights through synthetic data generation and big data- driven machine learning.	315.9
62.	Dr. K Chokkanathan	CSE-AI	AI driven Multi Modal stress detection	263.25
63.	Dr. K Hemalatha	CSE-AI	AI driven Multi Lingual Chat bot for ground water assessment and visualization	263.25
64.	Mr J Viswanath	CSE-AI	Real Time sign language translator: Convert Hand gestures into text and speech	157.95
Sub Total				14215.5
Incentives for the AY: 2023-24 and 2024-25				

65.	Dr. Nakkeeran G	Civil	Soft computing techniques for predicting the compressive strength properties of fy ash geopolymers concrete using regression-based machine learning approaches	2287.6425
66.	Dr. C. Kamal Basha	EEE	Simultaneous electrochemical detection of dopamine and uric acid based on tri-composite of poly-pyrrole and α -Fe ₂ O ₃ embedded MoS ₂ sheets modified electrode	1345.2075
67.	Dr. C. Yuvaraj	MECH	Performance evaluation of developed new textured tools during turning of AISI 321 material	3259.035
68.	Dr. S. Rajasekaran	ECE	Analytical investigation of CdSe/CdS/ZnSe-based single-core double-shell nanotextured vertical nanopillar array antenna for broadband photodetection applications	4124.0745
69.	Dr. R. Nidhya	CSE	Hybrid Tasmanian Devil and Improved Simulated Annealing-Based Clustering Algorithm for Improving Network Longevity in Wireless Sensor Networks (WSNs)	2781.23625
70.	Dr. Vamsi Bandi	CSE-AI	An Auto Encoder-Decoder Approach to Classify the Bird Sounds Using Deep Learning Techniques	952.965
71.	Dr. Sandhya. E	CSE-AIML	Enhancing security and efficiency in Mobile Ad Hoc Networks using a hybrid deep learning model for flooding attack detection	207.9675
72.	Dr. S. V. S. Ganga Devi	CSE-CS	Introduction to Graph Neural Network: Types and Applications	329.0625
73.	Dr. S. Kusuma	CSE-DS	Early betel leaf disease detection using vision transformer and deep learning algorithms	1154.6145
74.	Dr. Basabi Chakraborty	CST	Grading of HCC Biopsy Images Using Nucleus and Texture Features	1175.41125
75.	Dr. S. Mohankumar	EFL	Marginalized Life of Manual Scavengers: Questions of Witness Towards Society	173.745
76.	Dr. P. Ramesh Reddy	Mathematics	Chemical Reaction and Viscous Dissipative Effects on Buongiorno's Nanofluid Model Past an Inclined Plane: A Numerical Investigation	1611.09

77.	Dr. M. Chandra Sekhar	Physics	Highly Performing MSM Type Ag/n-titanium Dioxide Nanotubes/p-Si Heterojunction Based Ultraviolet-A Photodetectors	2879.955
78.	Dr. P. Amaladass	Chemistry	Recent synthetic strategies for the construction of functionalized carbazoles and their heterocyclic motifs enabled by Lewis acids	2283.69375
79.	Dr. N. Venkata Ramana	Humanities	Enhanced Demand-Side Management for Electric Vehicle Charging Stations Using Pyramidal Dilation Attention Neural Networks	23.6925
80.	Dr. K. Srinivasa Krishna	MBA	Optimizing Trust and Security in Healthcare 4.0: Human Factors in Lightweight Secured IoMT Ecosystems	202.7025
81.	Dr. A. Althaf Ali	MCA	Enhancing Security in the Internet of Things: A Trust-Based Protocol for Resilient Communication	1037.205
Sub Total				25829.3
Registrations Under Section 8 Company AY: 2024-25 and 2025-26				
82.	MIT S	Institute	Company Registrations	1611.09
Total				51922.64

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[6] Education and Research (ED)

[6.6] Total Research Funds (in US Dollars)

S.No.	Name of the PI	Department	Title of the Project	Sanctioned Amount (\$)
Projects/ Seminar/ FDP/ Workshop for the AY: 2025-26				
1)	Dr. S Kusuma Mrs. Manjula Prabakaran	CSE-DS	Smart and Sustainable Waste Management Using IoT and Data Analytics	1053
2)	MITS	Institute	IP Awareness Programmes under IPR Component of MSME Innovative Scheme	2948.4
3)	MITS	Institute	GIA-G (RAMP)	10530
4)	Dr. S. Padma	CSE-AIML	AI Ethics and Responsible Technology: Building Trustworthy and Human-Centered Systems	2527.2
5)	Dr G Bala Narasimha	MECH	"Investigation of Nanofluid-Coated SMA	473.85
6)	Dr. S. Padma	CSE-AIML	Actuators to Achieve Rapid Cooling Cycles and Enhanced Functional Durability"	2569.32
Sub Total				20101.77
Projects/ Seminar/ FDP/ Workshop for the AY: 2024-25				
7)	Dr.Y Sudheerkumar (PI), Mrs.K. Anitha (Co-PI)	Civil	The Role of AI in Mobility and Smart Cities	2106
8)	Dr. K. P. Manikandan (Co-ordinator) Mr. Murugan. V (Co-Coordinator)	CSE-CS	Six Day Online Faculty Development Programme	1053
9)	Dr. Nehru K	ECE	Recent Developments In Microelectronics, Nanoelectronics and Power Electronics (Conference)	2527.2
10)	Institute	Institute	AICTE IDEA Lab	94770
11)	Institute	Institute	International / National IP YATRA Programme (2 days Workshop)	10530
12)	Institute	Institute	IP Awareness Programme	737.1

13)	Dr.R.Niddya	CSE	International Conference on Optimization Techniques for Learning (ICOTL 2025)	3159
14)	Dr. S Kusuma Dr M Kiran Kumar	CSE-DS	Smart Cities & Mobility	2106
Sub Total				116988.3
Projects/ Seminar/ FDP/ Workshop for the AY: 2023-24				
15)	Dr.S.Padma	CST	Number Analytics & Data Science	2416.635
16)	MIT S	Institute	MIT S-IPFC Center	105300
17)	PI: S.Vyshnavi Mentor: ANANDH NAGARAJAN	CSE-AI	Face Shield Next-Generation Facial Recognition Security System	10003.5
18)	PI: Bandi Thrisha Mentor: N. Mohana Priya	CSE-AI	BirdScan	8424
19)	PI: Kalpana.A Mentor: Karthikram.A	CSE-CS	AI based scanning system to scan luggages - VEGA	10530
20)	PI: Nikitha.T Mentor: Dr. S. V. S Ganga Devi	CSE-CS	A comprehensive legal assistance application designed to address a wide range of legal challenges with efficiency and expertise. - DHARMA	9477
21)	PI: S PADMAVATHI Mentor: S.Reddi Lakshman	MEC	DESIGN AND FABRICATION OF THERMOELECTRIC REFRIGERATION SYSTEM TO EXTEND THE SHELF LIFE OF MUSHROOMS	10530
22)	Dr.K.Dinesh	CST	"Exploring the Quantum Frontier: An In-Depth Investigation of Quantum Computing and its	1063.1088
23)	PI: Dr. Biraja Prasad Mishra CO-PI: Dr.Dipankar Roy	CE	Revolutionary Application"	16953.3
24)	Dr.S. Baskaran	MEC	Static Analysis of Composite Plates using NURBS Augmented Finite Element Method	3685.5
25)	Dr. Nehru K	ECE	Sustainable Machining for Tomorrow: Machine Learning Based Approach	1053

26)	Dr.S Sreedhar	Physics	Recent Trends and Challenges in VLSI Circuits, Devices and Architectures	15795
27)	D Nithish Varma	MEC	Ag-Au nano array microfluidic Lab on chip fabrication for detection of bio samples using Raman Spectroscopy	3896.1
28)	Satrughan Kumar	ECE	Compact Sustainable Origami based Furniture	9161.1
29)	Bikash Ranjan Behera	ECE	An intelligent crowd behavior analysis system in video sequences	12846.6
30)	Dr K. Arul Kumar	EEE	AI-Driven Metasurface Based Antenna Designing and its Implementation For RF Energy Harvesting in Medical and Healthcare Applications	315.9
Sub Total				221450.3
Total				358540.81



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[6] Education and Research (ED)

[6.8] Number of lecturers and researchers on campus in one year period

Total No. of faculties and researcher in the last academic year (2024-2025)	
Total No. of Faculties	450
Male	322
Female	128
No. of Ph.D Faculties	225
Number of Researchers (Part-time)	9

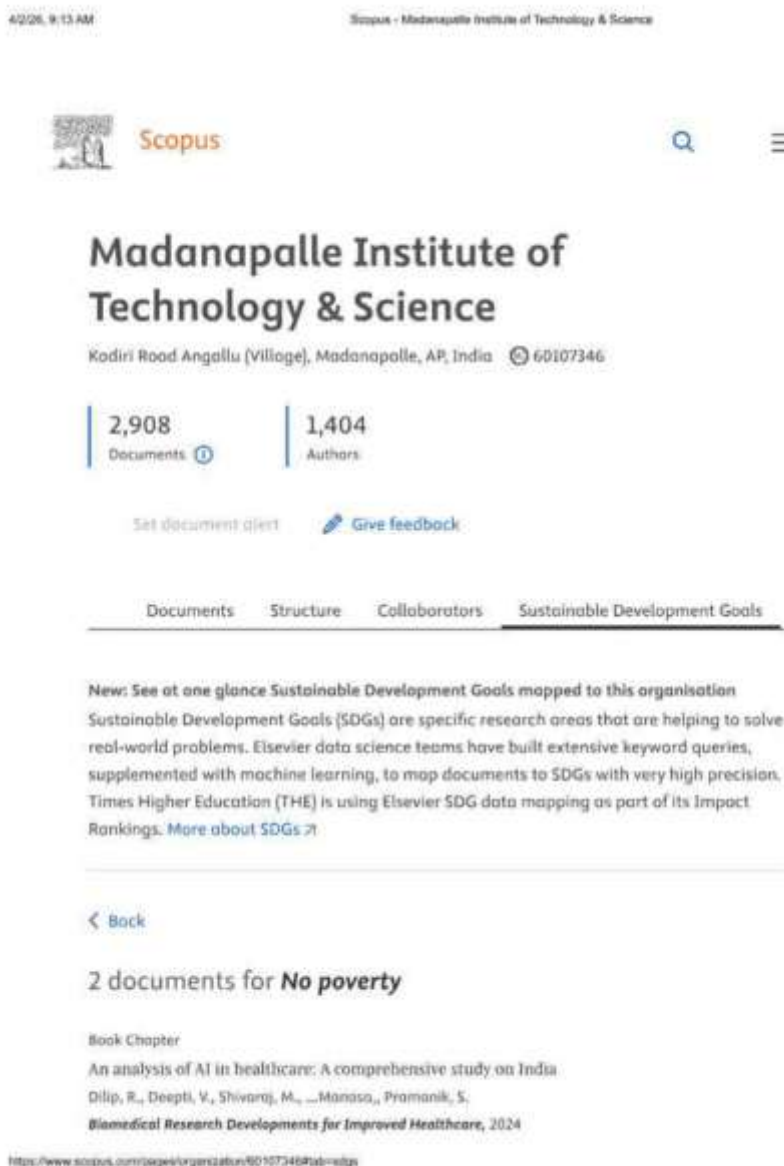
Additional details: <https://mits.ac.in/>

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[6] Education and Research (ED)

[6.9] Number of scholarly publications on sustainability in one year period

MITS, Deemed to be University, actively promotes sustainability-oriented research through its faculty members, research scholars, and interdisciplinary research centres. Sustainability research is integrated across engineering, science, technology, and management disciplines, addressing the UN sustainable development goals (SDGs). During the reporting year, faculty members and students published scholarly articles in reputed SCI/SCIE, Scopus-indexed, and Web of Science journals focusing on various sustainability themes. The overall publication details related to SDG's are given below.



400L, 9:12 AM

Source - Madanapalle Institute of Technology & Science

Conference Paper

Development of Intensity-Duration-Frequency (IDF) Curve for Extreme Flood Evaluation for
Hideta Town, Ethiopia

Chidi, W.B., Kuroki, R., Hay, G.

Advances in Science Technology and Innovation, 2024

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Documents

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Sustainable Development Goals

New: See at new glance Sustainable Development Goals mapped to this organisation
Sustainable Development Goals (SDGs) are specific research areas that are helping to solve
real-world problems. Elsevier data science teams have built extensive keyword queries,
supplemented with machine learning, to map documents to SDGs with very high precision.
Times Higher Education (THE) is using Elsevier SDG data mapping as part of its Impact
Rankings. [More about SDGs](#)

Back

31 documents for **Zero hunger**

Article

Multi-Task Deep Learning Framework for Segmentation and Severity Estimation of Leaf
Diseases in Multi-Crop Experiments

https://www.scopus.com/engines/publisher/ID/107340464-0000

39

4/2/26, 9:14 AM

Source - Madanapalle Institute of Technology & Science

Geetha Devi, A., Begum, S.S., Kocharia, S., ..Gurikapudi, S., Tirumalesetti, N.R.
International Journal of Innovative Technology and Interdisciplinary Sciences, 2026

Conference Paper

Automated Detection of Tomato Leaf Diseases: A Comprehensive Review and Framework
Development Using Machine Learning Techniques
Usha, R., Borkar, R.
Smart Innovation Systems and Technologies, 2026

Article - Open access

BetelProNet Framework: Efficient Deep Learning Model for Betel Leaf Disease Detection
Bhaskar, B., Kusuma, S., Prasad, R.A., Naresk, A., Subbiah, C.V.
International Research Journal of Multidisciplinary Science, 2025

Article - Open access

Internet of Things Integrated Deep-Learning Algorithms Monitoring and Predicting
Abnormalities in Agriculture Land
Prabu, S., Krishnamoorthy, N., Praveen Kumar, S., ..Symala, M., Vidhya, R.G.
Internet Technology Letters, 2025

Article - Open access

A Generalized Deep Learning Approach for Cross-Crop Plant Disease Detection Using the
Plant Village Dataset
Rao, R., Lingam, R., Senthil, R., ..Balu, P., Avasthi, J.
Journal of Machine and Computing, 2025

Article - Open access

Deep Vision Transformer with Tasmanian Devil Optimization for Multiclass Paddy Disease
Detection and Classification for Precision Agriculture
Shanith, A.L., Jarampur, B., Vijayaganth, R., Venkatesh, R.
Journal of Electronics Electromedical Engineering and Medical Informatics, 2025

Conference Paper

Smart Agriculture Yield Prediction Using Machine Learning
Rajesundaram, A., Sureshbabu, V.S., Moka, B., Thalapuri, A.
Alp Conference Proceedings, 2025

Conference Paper

<https://www.scopus.com/cases/urn:nbn:de:hbz:5:127346#abstract>

2/7

Additional evidence link

- <https://mits.ac.in/publications>
- <https://mits.ac.in/sdg-cell> - (SDG-1-Publications.pdf, SDG-2-Publications.pdf, SDG-3-Publications.pdf, SDG-4-Publications.pdf, SDG-5-Publications.pdf, SDG-6-Publications.pdf, SDG-7-Publications.pdf, SDG-8-Publications.pdf, SDG-9-Publications.pdf, SDG-10-Publications.pdf, SDG-11-Publications.pdf, SDG-12-Publications.pdf, SDG-13-Publications.pdf, SDG-14-Publications.pdf, SDG-15-Publications.pdf, SDG-16-Publications.pdf, SDG-17-Publications.pdf)

University : MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS)
Country : India
Web Address : <https://mits.ac.in/>

[6] Education and Research (ED)

[6.10] Ratio of scholarly publications on sustainability to lecturers and researchers on campus in one year period (ED.3)

MITS-Deemed to be University, Madanapalle actively promotes research in sustainability through its academic departments, research centres, and interdisciplinary collaborations. Faculty members and researchers contribute to scholarly publications addressing various sustainability-related themes, including environmental sustainability, renewable energy, green chemistry, sustainable materials, water resources, waste management, climate change, pollution control, sustainable agriculture, circular economy, sustainable manufacturing, smart infrastructure, and the United Nations Sustainable Development Goals (SDGs). The ratio of scholarly publications to lecturers and researchers was calculated using the total number of scholarly publications produced during the reporting period and the total number of lecturers and researchers on campus during the same period.

Total lecturers and researchers in one year period (2024-2025)	454
Total scholarly publications in one year period (2024-2025)	490

Ratio = Total scholarly publications / Total lecturers and researchers
= 490 / 454
= **1.10**

This ratio demonstrates the University's strong research productivity and its commitment to advancing knowledge in sustainability-related fields through high-quality scholarly publications.

Evidence link

- <https://mits.ac.in/publications>
- <https://mits.ac.in/sdg-cell> - (SDG-1-Publications.pdf, SDG-2-Publications.pdf, SDG-3-Publications.pdf, SDG-4-Publications.pdf, SDG-5-Publications.pdf, SDG-6-Publications.pdf, SDG-7-Publications.pdf, SDG-8-Publications.pdf, SDG-9-Publications.pdf, SDG-10-Publications.pdf, SDG-11-Publications.pdf, SDG-12-Publications.pdf, SDG-13-Publications.pdf, SDG-14-Publications.pdf, SDG-15-Publications.pdf, SDG-16-Publications.pdf, SDG-17-Publications.pdf)

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[6] Education and Research (ED)

[6.11] Number of Events Related to Sustainability (ED.4)



MITS Deemed to be University, Madanapalle actively promotes sustainability through academic, environmental, social, health, and community outreach programmes organised by various departments, and cells such as SDG, NSS Unit, Institution's Innovation Council, Entrepreneurship Development Cell (ED Cell), and student clubs. These events contribute to environmental awareness, sustainable development, resource conservation, public health, innovation, and achievement of the United Nations Sustainable Development Goals.

Total number of sustainability/environment related events in:

Calendar Year	Number of Programs related to Sustainability
2023	156

2024	172
2025	218

A total average per annum over the last 3 years of 182 events (e.g. conferences, workshops, awareness raising, practical training, etc.).

Evidence Links

- SDG Cell: <https://mits.ac.in/sdg-cell> ([SDG-1 EVENTS.pdf](#), [SDG-2 EVENTS.pdf](#), [SDG-3 EVENTS.pdf](#), [SDG-4 EVENTS.pdf](#), [SDG-5 EVENTS.pdf](#), [SDG-6 EVENTS.pdf](#), [SDG-7 EVENTS.pdf](#), [SDG-8 EVENTS.pdf](#), [SDG-9 EVENTS.pdf](#), [SDG-10 EVENTS.pdf](#), [SDG-11 EVENTS.pdf](#), [SDG-12 EVENTS.pdf](#), [SDG-13 EVENTS.pdf](#), [SDG-14 EVENTS.pdf](#), [SDG-15 EVENTS.pdf](#), [SDG-16 EVENTS.pdf](#), [SDG-17 EVENTS.pdf](#))
- <https://mits.ac.in/qs-environmental%20impact>

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Web Address : <https://mits.ac.in/>

[6] Education and Research (ED)

[6.12] Number of activities organized by student organizations related to sustainability per year (ED.5)



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Madanapalle Institute of Technology & Science is now MITS Deemed to be University.

401 - 7330832505 / 7330852505

Mobile Login: admission@mits.ac.in

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Student Clubs

Student Clubs

- About Student Clubs →
- Arts & Cultural Club →
- Film Makers Club →
- Sports Club →

E-Notice Board

Zero Tolerance Rally

Zero Tolerance Rally was organized at MITS in association MSR Club

Date: 12th August 2025



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
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(Declared under section 3 of UGC Act, 1956 by Govt. of India - MoE)
Madanapalle - 517325, Anantapur Dist., Andhra Pradesh, India

An Interactive Session On
"Flight With Responsibility-Drone Safety Protocols"
Organized by
DRONE TECHNOLOGY CLUB
Under
SAC(Student Activity Center)
RESOURCE PERSON
Mr. NANDA KISHORE BARINEPALLI
Drone Pilot & Engineer
District Co-Ordinator and Assistant Instructor
DROGO DRONES

Do Register Here



06-01-2026 **10:00 AM - 12:30 PM** **SEMINAR HALL - A**

Chief Patron Dr. N. Vijaya Bhaskar Choudary, Ph. D Founder & Chancellor	Patrons Mrs. Kaverthi Rodella Executive Director	Shri. N. Dwarakanath Pro - Chancellor	Program Chair Dr. C. Yuvraj Vice Chancellor (J/c)
SAC Coordinator Dr. G. Reddy Hemantha Asst. Professor / ECE	SAC Co-Coordination Mr. V. Navien, AP/CET Mr. B.S.H. Shreyas Ahamed, AP/A&ME	Faculty Coordinator P. Mohammedi Rizwan Ali Asst. Professor / MLCH	Student Coordinator S. MOHAMMAD THAHEER (7885893631)

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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Madanapalle-517325, Annamayya Dist., Andhra Pradesh










Organized by MITS Social Responsibility Club
Heartily Welcome



DR Y SREEDHAR REDDY
MBBS;DA;PGDHS
(DIABETOLOGY)

Chief Guests

Dr Sujay. N. M
MBBS, MRC Psych,
DipGM



24 TH NOVEMBER 2023

Chief Patron
Dr.N.Vijaya Bhaskar Choudary , Ph.D.,
Secretary & Correspondent

VENUE: AUDITORIUM

Patron
Mrs.Keerthi Nadella
Executive Director

Program Chair
Dr.C.Yuvaraj
Principal

SAC Coordinator
Dr.P. Athahar
HoD-English

TIME: 3.00 PM

MSR Club Coordinator
Mr. BSH. Shayeez Ahamed

www.mits.ac.in

MITs, Deemed to be University, Madanapalle actively promotes sustainability through various student-led organisations functioning under the Student Activity Centre (SAC), National Service Scheme (NSS), MITS Social Responsibility (MSR) Club, SDG Cell, and other recognised student clubs. These organisations regularly conduct awareness campaigns, community outreach programmes, environmental initiatives, technical events, and social service activities aligned with the United Nations Sustainable Development Goals. The University encourages students to become active participants in environmental conservation, resource management, health awareness, and community development. The NSS Unit regularly conducts community-based programmes focusing on education, environmental protection, health awareness,



sanitation, rural development, and social service. Likewise, the MITS Social Responsibility (MSR) Club promotes green campus initiatives, clean campus campaigns, water and electricity conservation, health awareness, village outreach, support for schools and orphanages, and awareness on various social issues. These student-led initiatives directly contribute to achieving several UN Sustainable Development Goals, particularly SDGs 3, 4, 6, 7, 11, 12, 13, 15, and 17.

Additional Evidence Links

- Student Activity Centre / Student Clubs: <https://mits.ac.in/studentclubs>
- NSS Activities: <https://mits.ac.in/nss>
- SDG Cell: <https://mits.ac.in/sdg-cell>

University : MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS)
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[6] Education and Research (ED)

[6.13] Number of cultural activities on campus (e.g.Cultural Festival) (ED.6)

Arts & Cultural Club



"Art is not what you see but what you make others see". With this belief in mind, MIT'S endeavors to showcase life as they see it through the eyes of art. Arts and Cultural Club is an ambitious, all-inclusive one. It is a tempting, artistic, beautiful meeting place for anybody with passion. The club's mission is to bring out the hidden talents among students and also provide them a stage where they can showcase their arts and cultural talent and interest. The club provides lot of opportunities in the form of competitions and workshops for igniting the spark of interest present in the budding technicians and honing their skills towards showcasing their talents.

List of Activities:

- Arts & Cultural Club Activities 2025-26
- Arts & Cultural Club Activities 2024-25
- Arts & Cultural Club Activities 2023-24
- Arts & Cultural Club Activities 2022-23
- Arts & Cultural Club Activities 2021-22



Invitation

ASHV
the race of talent!

Title Sponsor

A Two Day National Level Techno - Cultural - Sports Fest

In Association with
THE TIMES OF INDIA

on
25th & 26th
March 2026



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Madanapalle- 517226, Annamayya District, Andhra Pradesh, India
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FRESHERS DAY
Celebrations - 2025

10th November 2025
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CULTURALS
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SPORTS
CARDING, SHOOT, CHESS, BOYS, GIRLS, TUG OF WAR, SMOKE, TUGBO BASH

CULTURAL COORDINATOR
M. HARSHA VARDHAN
+91 8143747320

SPORTS COORDINATOR
V. WAZID
+91 8247432448

Chief Patron: Dr. S. Vijaya Bhaskar Choudhary, Founder & Chancellor
Co-Chairman: Mr. S. S. R. Srinivas Akshay, Aut. Prof. - CBT
President: Mr. N. Chandrababu Naidu, Chief Minister
President: Dr. G. Roddy Hemantha, Asst. Prof - ECE
President: Dr. S. Jayaram Reddy, Asst. Prof - ECE
President: Dr. S. Jayaram Reddy, Asst. Prof - ECE



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We warmly welcome you to
ONAM
Celebrations

Celebrate Onam by Wearing Traditional Attire and Embracing the Festive Spirit

GAMES
1. Tug of War
2. Potato Run
3. Pvc Breaking
4. Lemon and Spoon

LET'S CELEBRATE TOGETHER

Date & Time:
4th Sep 2025 | 4:00 PM

Venue:
EXP TO LAKSHMI BLOCK

Sport Registrations Are Allowed

Executive Director: Dr. S. Jayaram Reddy
Pro-Chancellor: Dr. S. Jayaram Reddy
Executive Director: Dr. S. Jayaram Reddy
Vice-Chancellor: Dr. S. Jayaram Reddy



MIT MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
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Garba 2K25

Venue: (OPP TO AUDITORIUM)
Date: 05/09/2025
Time: 5PM TO 8PM

Organized By
ARTS AND CULTURAL CLUB



Apresiasi Seni Nusantara
(Prestasi dan Penghargaan Seni Nusantara)

Meeting ID: 849 0568 6453
Passcode: 746073

YouTube: Makara Art Center Universitas Indonesia
Budaya Maja

Kesenian Tarling Cirebon

Jumat, 30 Oktober 2020
19.00 WIB s.d. Selesai

Pembicara:

1. Dr. Restu Gunawan, M. Hum.
2. Prof. Dr. Agus Aris Munandar, M. Hum.
3. Arif Muarif

Moderator: Vinny Alvionita

Disseminasi dan
Serja sama dengan:

Makara Art Center
Universitas Indonesia

Disseminasi dan Serja sama dengan:

Universitas Indonesia



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Ethnic walk
Bhogi

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DATE
12-01-2026



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UNDER SAC
ORGANISED BY ARTS & CULTURAL CLUB

Diwali Dhara

On the occasion of Diwali

Events

Dandiya
Garba

Date: 29-10-2024 | Time: 3.00 PM to 5.00 PM | Location: Opp to South Block

Chief Patron
Dr. N. Vijaya Bhaskar Choudhary, Ph.D.,
Secretary & Co-ordinator

Patron
Mrs. Kavitha Madhala
Executive Director

Programme Chair
Dr. C. Y. Yashraj
Principal

SAC Coordinator
Dr. B. Ravi Kumar
Asst. Prof. ECE

Faculty Coordinator
Y. Padmap Kumar
Asst. Prof. ECE Dept

Student Coordinators
M. Harsha vardhan 8143767320
M. Harsha 8332080052
B. Pragnan 4305579625

arts_and_cultural_mits
MITS_SAC



MIT
Madanapalle

SANKRANTHI SAMBARALU RANGOLI COMPETITION

10th JAN 2025 | 4:00 PM-6:00 PM

Reward for Winners:

- 1st Prize- ₹1500
- 2nd Prize- ₹1000
- 3rd Prize- ₹500

Turn tradition into art this Sankranti!

CONTACT PERSON:
S. CHAIYHANYA- 7981740749 | HARSHA MURARI- 8143767320

MIT-Deemed to be University, Mdanapalle provides a vibrant campus environment that promotes students' cultural, artistic, and creative development through numerous cultural events organized throughout the academic year. The university conducts several annual festivals and club-based activities that encourage student participation, leadership, creativity, teamwork, and social interaction.

Major cultural activities include:

- ASHV-2K26 – National Level Techno-Cultural & Sports Fest, a flagship annual event featuring cultural performances, competitions, technical events, sports, music, dance, and student exhibitions.
- Annual Day Celebrations, organized every academic year with cultural performances, music, dance, awards, and student talent presentations.
- Arts & Cultural Club Activities, including singing, dancing, painting, rangoli, fine arts, photography, fashion events, talent competitions, workshops, and cultural celebrations.
- Literary Club Events, comprising debates, poetry, storytelling, skits, quizzes, creative writing, group discussions, and public speaking competitions.
- Film Makers Club Events, including short-film competitions, filmmaking workshops, photography contests, and media production activities.
- Student Activity Centre (SAC) programmes, inter-club competitions, cultural awareness events, and celebrations organized throughout the academic year.
- Various departmental cultural programmes conducted during symposiums, student induction programmes, and institutional celebrations.

Additional Evidence Link

- [MIT Student Clubs and Arts & Cultural Club](#)
- [MIT News \(Annual Day, ASHV Techno-Cultural Fest and Campus Events\)](#)
- [MIT Student Clubs Overview](#)

University : MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS)
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[6] Education & Research

[6.15] Number of sustainability community services project organised and/or involving students (ED.8)







MIT'S

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26
YEARS
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EXCELLENCE



STUDENT CHAPTER
Madanapalle Institute of
Technology & Science








WORLD ENVIRONMENT DAY

Guest :

B. Nagendra Naik
AEE, Pincha Dam

2PM-3:30PM

5 June 2025

Seminar Hall - A

Organized By: ASCE MITS Student Chapter, Department of Civil Engineering, In Collaboration with MITS NSS Unit & IIC

Chief Patron Dr. N. Vijaya Bhaskar Choudary, Ph.D Secretary & Correspondent		Patron Mrs. Keerthi Nadella Executive Director		Co-Patron Dr. C. Yuvaraj Principal	
Chief Coordinator Dr. Dipankar Roy HOD of Civil & ASCE Faculty Advisor		Faculty Coordinator Mr. Veeresh. B Asst. Professor, Civil		NSS Coordinator Mr. Pujari Rajesh Asst. Professor, Mech	
Student Coordinator D.Dilli Prasad President ASCE student chapter					

MIT'S, Deemed to be University, actively promotes sustainability through community engagement programmes coordinated by the SDG cell and the National Service Scheme (NSS). The University organizes numerous short community service projects throughout the year addressing environmental conservation, clean water, sanitation, public health, waste management, climate awareness, rural development, and social responsibility.

Major sustainability initiatives include:

- World Environment Day celebrations involving tree plantation and environmental awareness.
- Swachhata Hi Seva and Clean India campaigns promoting solid waste management and public cleanliness.
- World Water Day programmes creating awareness on water conservation.
- NSS Special Camps conducted in adopted villages focusing on sanitation, health, hygiene, watershed awareness, and community development.
- Blood donation camps, health camps, and social welfare programmes.



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- Clothes donation drives benefiting orphanages and economically weaker communities.
- Environmental rallies such as "Save Earth" campaigns and Green Campus initiatives.
- Awareness programmes for school students on responsible technology use and sustainable citizenship.

Additional Evidence Links

- [MITS NSS Activities and Event Reports](#)
- [MITS SDG Cell Activities](#)

University : MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS)
Country : India
Web Address : <https://mits.ac.in/>

[6] Education & Research

[6.16] Number of sustainability-related startups (ED.9)

No.	Details
1	Startup Name: Aurv Organics Startup Category (UI GreenMetric): ED (Education & Research) / WR (Waste) (<i>Green and sustainable products</i>) URL: https://mitsfoundation.org/portfolio.html Date Established: Incubated under MITS Foundation (2024–25)* Income: Not publicly disclosed Revenue: Not publicly disclosed Employees: Not publicly disclosed Description: Aurv Organics is one of the startups incubated under the MITS Foundation Startup Cell. It focuses on environmentally responsible and sustainable products, supporting green entrepreneurship and contributing to sustainable development through eco-friendly innovations. The startup receives incubation, mentoring, infrastructure, networking and business development support from MITS Foundation. Photos: Screenshot/logo from MITS Foundation Portfolio page.

No.	Details
2	Startup Name: MOTOL Startup Category: TR (Transportation) / ED URL: https://mitsfoundation.org/portfolio.html Date Established: Incubated under MITS Foundation (2024–25)* Income: Not publicly disclosed Revenue: Not publicly disclosed Employees: Not publicly disclosed Description: MOTOL is an incubated startup under MITS Foundation working on technology-driven innovations. Through incubation support, mentoring, prototype development and commercialization guidance, the startup contributes to innovation and sustainable technological development. Photos: Startup logo/screenshot from MITS Foundation Portfolio.

No.	Details
3	Startup Name: Harebin Tech Solutions Startup Category: ED URL: https://mitsfoundation.org/portfolio.html Date Established: Incubated under MITS Foundation (2024–25)* Income: Not publicly disclosed

	Revenue: Not publicly disclosed
	Employees: Not publicly disclosed
	Description: Harebin Tech Solutions is an incubated startup supported by MITS Foundation. It develops technology-based solutions while benefiting from entrepreneurship mentoring, incubation facilities and commercialization support provided by the university.
	Photos: Startup logo/screenshot from Portfolio page.

No.	Details
4	Startup Name: Gyaantrix
	Startup Category: ED
	URL: https://mitsfoundation.org/portfolio.html
	Date Established: Incubated under MITS Foundation (2024–25)*
	Income: Not publicly disclosed
	Revenue: Not publicly disclosed
	Employees: Not publicly disclosed
	Description: Gyaantrix is an innovation-driven startup incubated by MITS Foundation. The startup receives incubation support including mentoring, workspace, networking opportunities and business guidance to transform innovative ideas into sustainable ventures.
	Photos: Startup logo/screenshot from Portfolio page.

No.	Details
5	Startup Name: CreoMind Innovations
	Startup Category: ED
	URL: https://mitsfoundation.org/portfolio.html
	Date Established: Incubated under MITS Foundation (2024–25)*
	Income: Not publicly disclosed
	Revenue: Not publicly disclosed
	Employees: Not publicly disclosed
	Description: CreoMind Innovations is an EdTech startup incubated by MITS Foundation focusing on Data Science and Analytics education. According to MITS Foundation, the incubation support has enabled the startup to expand innovation in education through mentoring, infrastructure and business support.
	Photos: Startup logo and founder testimonial from Portfolio page.

No.	Details
6	Startup Name: Hexaind Technologies
	Startup Category: ED
	URL: https://mitsfoundation.org/portfolio.html
	Date Established: Incubated under MITS Foundation (2024–25)*
	Income: Not publicly disclosed
	Revenue: Not publicly disclosed
	Employees: Not publicly disclosed
	Description: Hexaind Technologies is an incubated startup supported by MITS Foundation. The university provides mentoring, incubation facilities, technical guidance and entrepreneurial ecosystem support to facilitate sustainable business development.
	Photos: Company logo and founder testimonial from Portfolio page.



Total Sustainability-related Startups Incubated: 6

The startups are incubated through the MITS Foundation (Startup Cell), established to promote innovation, entrepreneurship and sustainable socio-economic development. The foundation provides incubation space, mentoring, commercialization support, networking, intellectual property guidance and entrepreneurial training to students, faculty, alumni and external innovators.

Additional Evidence Links

- Startup Cell: <https://mits.ac.in/nisp>
- MITS Foundation: <https://mitsfoundation.org/>
- Startup Portfolio: <https://mitsfoundation.org/portfolio.html>
- Entrepreneurship Development Cell: <https://mits.ac.in/ed-cell>

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Country : India
Web Address : <https://mits.ac.in/>

[6] Education and Research (ED)

[6.17] Total number of graduates with green jobs (for the last 3 years)

Faculty/Department	Total Graduates			Graduates with Green Jobs			Description of Green Jobs
	2022-23	2023-24	2024-25	2022-23	2023-24	2024-25	
Electrical & Electronics Engineering	109	195	61	22	49	14	Solar Power Engineer, Renewable Energy Engineer, Energy Auditor, Smart Grid Engineer
Mechanical Engineering	213	241	52	52	48	10	Energy Engineer, HVAC Energy Specialist, Sustainable Manufacturing Engineer
Civil Engineering	65	60	42	15	15	9	Green Building Engineer, Environmental Consultant, Water Resources Engineer
Computer Science & Engineering	424	650	866	106	148	191	ESG Data Analyst, Smart City Software Engineer, Environmental Data Scientist
MBA	159	169	175	34	35	41	Prepares professionals for green finance, sustainable business management, ESG reporting, circular economy, and corporate sustainability leadership.
MCA	177	178	178	37	42	48	Develops IT professionals for green computing, energy-efficient software, environmental data analytics, smart systems, and digital sustainability solutions.

Total Graduates: 4014

Total Graduates with Green Jobs: 916



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[6] Education and Research (ED)

[6.18] Total number of graduates (for the last 3 years)

Faculty/Department	Total Graduates		
	2022-23	2023-24	2024-25
Electrical & Electronics Engineering	109	195	61
Mechanical Engineering	213	241	52
Civil Engineering	65	60	42
Computer Science & Engineering	424	650	866
MBA	159	169	175
MCA	177	178	178

University : MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS)
Country : India

Web Address : <https://mits.ac.in/>

[6] Education and Research (ED)

[6.19] Percentage of number of graduates with green jobs (for the last 3 years) (ED10)

Faculty/Department	Total Graduates			Graduates with Green Jobs			Description of Green Jobs
	2022-23	2023-24	2024-25	2022-23	2023-24	2024-25	
Electrical & Electronics Engineering	109	195	61	22	49	14	Solar Power Engineer, Renewable Energy Engineer, Energy Auditor, Smart Grid Engineer
Mechanical Engineering	213	241	52	52	48	10	Energy Engineer, HVAC Energy Specialist, Sustainable Manufacturing Engineer
Civil Engineering	65	60	42	15	15	9	Green Building Engineer, Environmental Consultant, Water Resources Engineer
Computer Science & Engineering	424	650	866	106	148	191	ESG Data Analyst, Smart City Software Engineer, Environmental Data Scientist
MBA	159	169	175	34	35	41	Prepares professionals for green finance, sustainable business management, ESG reporting, circular economy, and corporate sustainability leadership.
MCA	177	178	178	37	42	48	Develops IT professionals for green computing, energy-efficient software, environmental data analytics, smart systems, and digital sustainability solutions.

Total number of graduates: 4014

Total number of graduates with green jobs: 916

Percentage of number of graduates with green jobs:

$(\text{Total number of graduates with green jobs} / \text{Total number of graduates}) \times 100\%$

$= (916/4014) \times 100\%$

$= 22.82\%$

University : MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS)

Country : India

Web Address : <https://mits.ac.in/>

[6] Education and Research (ED)

[6.20] Impact of Education and Research programs in supporting the Sustainable Development Goals (SDGs)



MITs, Deemed to be University, Madanapalle, integrates the principles of sustainable development into its education, research, innovation, and community engagement activities. The university promotes sustainability through outcome-based education, interdisciplinary research, industry collaborations, student innovation, and extension programmes that directly contribute to the SDGs.

The major impacts of education and research programmes supporting the SDGs are outlined below:

- **Integration of Sustainability into Curriculum:** Sustainability-related concepts are incorporated into undergraduate, and postgraduate programmes through courses in environmental studies, renewable energy, green chemistry, sustainable engineering, waste management, water resources, artificial intelligence for sustainable applications, and environmental management.
- **Research Supporting Sustainable Development:** Faculty members and students undertake research in areas including renewable and sustainable energy technologies, water purification and wastewater treatment, environmental monitoring and pollution control, advanced functional materials and nanotechnology, sustainable agriculture and smart farming, artificial Intelligence and IoT for smart infrastructure, green manufacturing and circular economy concepts, biomedical engineering and healthcare technologies.
- **Innovation and Entrepreneurship:** The Institution Innovation Council (IIC), incubation ecosystem, and innovation activities encourage students and faculty to develop sustainable technologies, prototypes, and startup ideas addressing local and global challenges.

- Industry and Research Collaborations: MITS collaborates with industries, government agencies, research organizations, and academic institutions to conduct collaborative research, internships, consultancy, and technology development for sustainable solutions.
- Students actively participate in mini-projects, major projects, internships, hackathons, technical competitions, and research publications focusing on sustainability-related themes.
- Faculty Development and Knowledge Dissemination: Regular Faculty Development Programmes (FDPs), workshops, seminars, guest lectures, conferences, and webinars are organised on emerging technologies, environmental sustainability, climate action, renewable energy, and responsible innovation.
- Community Engagement and Extension Activities: Through the SDG Cell, NSS, NCC, student clubs, and outreach programmes, the university conducts:
 - Tree plantation drives
 - Environmental awareness campaigns
 - Swachh Bharat activities
 - Water conservation programmes
 - Health awareness and medical camps
 - Rural development initiatives
 - Digital literacy programmes
 - Energy conservation awareness
 - Students participate in planning, implementation, and monitoring of these sustainability practices.
- Research Publications and Intellectual Property
 - Faculty and students contribute to scientific knowledge through publications in national and international journals, conference proceedings, books, book chapters, patents, and funded research addressing environmental, technological, and societal sustainability.

Impact on the Sustainable Development Goals

The education and research ecosystem at MITS contributes directly or indirectly to several SDGs, including:

- SDG 3 – Good Health and Well-being

Research in healthcare technologies, health awareness programmes, and community medical camps.

- SDG 4 – Quality Education

Outcome-Based Education, interdisciplinary learning, research-based teaching, skill development, and lifelong learning opportunities.

- SDG 6 – Clean Water and Sanitation

Research on water treatment, wastewater management, rainwater harvesting, and water conservation.

- SDG 7 – Affordable and Clean Energy

Academic projects and research on renewable energy, energy efficiency, and sustainable power systems.

- SDG 8 – Decent Work and Economic Growth

Innovation, entrepreneurship, startup support, industry collaboration, and employability enhancement.

- SDG 9 – Industry, Innovation and Infrastructure

Technology development, patents, incubation support, research collaborations, and engineering innovations.

- SDG 11 – Sustainable Cities and Communities

Smart infrastructure research, sustainable urban technologies, and community engagement programmes.

- SDG 12 – Responsible Consumption and Production

Waste management, recycling initiatives, green laboratory practices, and resource efficiency education.

- SDG 13 – Climate Action

Environmental awareness programmes, climate education, tree plantation, and sustainability research.



- SDG 15 – Life on Land

Biodiversity conservation, campus greening, environmental protection activities, and ecological awareness.

- SDG 17 – Partnerships for the Goals

Collaboration with industries, academic institutions, government organizations, NGOs, alumni, and research agencies for education, research, and community development.