About MITS Deemed to be University

Madanapalle Institute of Technology & Science (MITS), established in 1998, attained Deemed-to-be University status from the academic year 2025–26. The University is situated on a picturesque 26.17-acre campus along the Madanapalle–Anantapur Highway (NH 205), near Angallu, Andhra Pradesh. It is promoted by the Ratakonda Ranga Reddy Educational Academy and is led by Dr. N. Vijaya Bhaskar Choudary, Ph.D., Chancellor, and Mrs. N. Keerthi, Executive Director.

The University offers a comprehensive range of undergraduate and postgraduate programs across diverse disciplines. The undergraduate programs include B.Tech in Civil Engineering, Mechanical Engineering, Electrical and Electronics Engineering (EEE), Electronics and Communication Engineering (ECE), Computer Science and Engineering (CSE), CSE (AI & Data Science), CSE (AI & Robotics), CSE (Cyber Security), CSE (AI & ML), and Bioinformatics. In addition, the University offers BBA and BCA programs.

At the postgraduate level, the University offers M.Tech programs in VLSI Design & Embedded Systems, Civil Engineering, Automation and Robotics, Electric Vehicle Technology, Computer Science and Engineering, and Artificial Intelligence & Machine Learning, along with MBA and MCA programs.

MITS is ISO 21001:2018 certified, accredited by the National Board of Accreditation (NBA), and has been awarded the NAAC 'A+' Grade. The University is ranked in the 201–300 band in the NIRF 2025 Engineering category. It provides a dynamic and student-centric learning environment supported by state-of-the-art laboratories, smart classrooms, seminar halls, a well-stocked library, a modern auditorium, and extensive sports facilities. The University also benefits from the active patronage of NRI stakeholders who bring rich academic, research, and industry experience, contributing significantly to its growth and excellence.

About Department

The Department of Mathematics, since its inception, has been progressing dynamically and has established quality education in undergraduate and postgraduate programs across various disciplines. The Department is committed to enhancing mathematical and computational skills of students for success in their careers.

The Department has received research funding from UGC, DST, SERB, etc., amounting to 75 lakhs. Faculty members have published 480 research articles in reputed national and international journals. Major research areas include Algebra, Theoretical and Computational Fluid Dynamics, Graph Theory, Stochastic Modelling, Control Theory, Fuzzy Logic, Multivariate Analysis, and Nonlinear Functional Integral Equations.

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One Week Online Faculty Development Programme on "Mathematics for Artificial Intelligence: Theory and Applications"

Organized by the Department of Mathematics

15th June 2026 – 20th June 2026

Resource Persons

Dr. Minirani S
Professor in Mathematics,
NMIMS Deemed University, Mumbai

Session-1

Topic: Linear Algebra in AI

15-06-2026

Session-2

Dr. Palpandi K
Assistant Professor,
Department of Mathematics, NIT Calicut

Topic: Low Rank Approximations and Principal Component Analysis

Dr. Dhanyamol M V
HoD-Dept. of Mathematics
IIIT Kottayam

Session-3

Topic: Median Graphs and its Applications in Network Clustering

16-06-2026

Session-4

Dr. Rosna Paul
Postdoc Research Assistant,
Fern University in Hagen, Germany

Topic: From Graph Drawing to Graph Learning: Geometry Meets AI

Dr Ratheesh KP
Associate professor
APJ Abdul Kalam Technical University
Kerala

Session-5

Topic: Category Theory and it's Applications

17-06-2026

Session-6

Dr. Jinny Ann John
Assistant Professor,
Christ University, Bangalore

Topic: When AI Learns the Laws of Physics: A Gentle Introduction to PINNs

Dr. Sunil Jacob John
Professor & Registrar Incharge
NIT Calicut

Session-7

Topic: Emerging directions in fuzzy set theory

18-06-2026

Session-8

Dr. V. Lakshmana Gomathi Nayagam
Professor
Dept. of Mathematics,
NIT Trichy

Topic: Fuzzy Information Modelling and Applications

Dr. Shyaman V P
Assistant Professor,
Chettinad Institute of Technology,Mahabalipuram, Tamilnadu

Session-9

Topic: Numerical Methods & Modern Applications in AI

19-06-2026

Session-10

Dr. Harish Garg
Professor,
Department of Mathematics, Thapar University, Punjab

Topic: Optimization Models for Preventive Maintenance Scheduling and Decision-Making

Dr. Jobish V Devassia
Professor
Tecnológico de Monterrey, Nuevo León, México

Session-11

Topic: Probability in AI

20-06-2026

Session-12

Dr. Arsha Sherly
Hochschule Coburg,
Germany

Topic: From Linear Regression to Object Detection: The Mathematics of Computer Vision

Eligibility to Participate

The Faculty Members of UGC/AICTE-recognized Universities and Engineering Colleges, Degree College, Research Scholars, and Industry Professionals are invited to participate.

Contact Information: Dr. A. Subba Rao Ph.D

Mobile No: 9160020473 - Email. subbaraoa@mits.ac.in

About the Programme

This Faculty Development Programme (FDP) aims to provide a comprehensive understanding of the mathematical foundations underpinning Artificial Intelligence. The programme covers a wide range of topics including linear algebra, optimization, probability, graph theory, and modern AI applications such as deep learning, computer vision, and physics-informed neural networks.

The sessions are designed to bridge theoretical concepts with practical applications, enabling participants to enhance their teaching and research in emerging AI-driven domains.

Objectives

- To strengthen mathematical foundations relevant to AI
- To explore advanced topics in optimization, graph theory, and probabilistic modelling
- To connect mathematical concepts with real-world AI applications
- To enhance research and teaching capabilities in AI-related areas

Registration Details

- Registration Fee: ₹200 for faculty,₹150 for research scholars and postgraduate students

QR Code for Payment:

Scan & Pay Using PhonePe App

Registration Link: https://forms.gle/scYTxz2zmQaze3AC9

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