

About MITS

Madanapalle Institute of Technology & Science is established under the auspices of Ratakonda Ranga Reddy Educational Academy, in the year 1998, under the visionary proactive leadership of Dr. N. Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent. This is the most sought after premier institution, situated in the charismatic silhouette of Horsley Hills, in the hilly regions of Madanapalle, Annamayya district of Andhra Pradesh. MITS is approved by AICTE, New Delhi and affiliated to JNTUA, Anantapuramu. MITS is a NAAC accredited Institution with A+ Grade, with autonomous status from UGC since 2014. MITS is an ISO 21001-2018 Institution. MITS ranked in the band 201-300 – NIRF 2024 under Engineering Discipline. National Board of Accreditation (NBA) accredited 6 UG Programmes (CE, CSE, CST, ECE, EEE, ME) and 2 PG programmes (MBA and MCA).

Institute Vision

To become a globally recognized research and academic institution and thereby contribute to technological and socio-economic Development of the nation.

Institute Mission

To foster a culture of excellence in research, innovation, entrepreneurship, rational thinking and civility by providing necessary resources for generation, dissemination and utilization of knowledge and in the process create an ambience for practice-based learning to the Youth for success in their careers.

About Department

The Department of Mathematics, since its inception, has been under dynamic progress and is able to establish quality education in undergraduate and post graduate programs in various disciplines. The department is funded with UGC, DST, SERB etc. worth of Rs. 74.77 Lakhs. The department faculty has published 410 research articles in reputed national and international journals. The major research areas are Algebra, Theoretical and Computational Fluid Dynamics, Graph Theory, Stochastic modelling, Control Theory, Fuzzy Logics, Multivariate Analysis and nonlinear Functional Integral Equations. The department is committed to excel mathematical computational skills of students for success in their careers.

Chief Patron

Dr. N. Vijaya Bhaskar Choudary,
Secretary & Correspondent

Patron

Mrs. Keerthi Nadella

Executive Director

Program Chair

Dr. C. Yuvaraj

Principal, MITS

Co-Chair

Dr. Vadim Azhmyakov, Ph.D

Professor

Department of Mathematics ,MITS

Convener

Dr. P. Ramesh Reddy, Ph.D

HoD-Mathematics, MITS

Coordinator

Dr. A. Subba Rao, Ph.D

Asst. Professor, Dept. of Mathematics, MITS

Co-coordinator

Dr. R. Saravana, Ph.D

Assoc. Professor, Dept. of Mathematics, MITS

Certificate

E-Certificate will be provided on the completion of Faculty Development Program.

One Week Online Faculty Development Programme

on

"Mathematical Foundations for Computational Intelligence"



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)

Madanapalle-517325, Annamayya Dist., Andhra Pradesh



Date: 25/11/2024 to 30/11/2024

Organized by

Department of Mathematics

www.mits.ac.in

Resource Persons:

Session : 1

Day 01: (25-11-2024)

Session : 2



Dr. K.V. Narasimha Murthy
Associate Professor,
Department of Mathematics, MITS
Topic: Probability Modelling



Dr. Om Prakash
Professor,
Department of Mathematics, IIT Patna
Topic: Linear Algebra for Machine Learning

Session : 3

Day 02: (26-11-2024)

Session : 4



Dr. R. Vishnu Vardhan
Professor,
Department of Statistics, Ramanujan School of
Mathematical Sciences, Pondicherry University
Topic: Predictive Analytics Using R



Dr. D. Pradeep Kumar
Professor,
Department of Management Studies MITS
Topic: Dimensionality Reduction Technique

Session : 5

Day 03: (27-11-2024)

Session : 6



Dr. A. Prashant
Assistant Professor,
Department of Mathematics MITS
Topic: An Introduction to Graph Algorithms:
Finding Shortest Paths and Spanning Trees



Dr. Y.V.K. Ravi Kumar
Professor, BITS Pilani , Hyderabad
Department of Computer Science & Information
Systems
Topic: Optimization in machine Learning

Resource Persons:

Session : 7

Day 04: (28-11-2024)

Session : 8



Dr. Subramanian Kuppusamy
Research Fellow,
Deakin University, School of Engineering, Australia
Topic: Memory Sampled-data Control for T-S
Fuzzy Systems



Dr. R. Nidhya
Professor,
Department of Computer Science and Engineering, MITS
Topic: Building Neural network from Scratch

Session : 9

Day 05: (29-11-2024)

Session : 10



Dr. J. Indhumathi
Professor,
Department of Information Science and Technology,
Anna University, Chennai
Topic: The Role of Mathematics in Emerging
Technologies



Dr. Basabi Chakraborty
Ph.D. (Tohoku University, Japan)
Professor & Dean
Department of Computer Science and Engineering, MITS
Topic: Some Proposals of Similarity Measures for
Efficient Analysis of Time Series Data

Session : 11

Day 06: (30-11-2024)

Session : 12



Dr. S. Kusuma
Assistant Professor & HoD
Department of CSE- Data Science, MITS
Topic: Advanced AI for Health : Personalized
Application with google gemini



Dr. Goutam Chakraborty
Ph.D. (Tohoku University, Japan)
Distinguished Professor and Dean
Department of Computer Science and Engineering, MITS
Topic: Graph clustering and Matrix Rank
Reduction - Two Sides of the Same Coin

About FDP

A Faculty Development Program (FDP) on "Mathematical Foundations for Computational Intelligence" is designed to provide faculty members with a solid understanding of the mathematical principles that underpin key methods in Computational Intelligence (CI). The goal of the program is to bridge the gap between theory and practice, helping participants grasp the mathematical tools and techniques essential for fields like machine learning, artificial intelligence, data analysis, and optimization.

This one-week FDP will cover several core areas of Mathematics that are foundational for Computational intelligence, with a focus on both the theoretical concepts and their practical applications in real-world problems.

Eligibility to Participate

The faculty members of the UGC / AICTE recognized Universities and Engineering College, Research scholars, Industry (Bureaucrats/Technicians/Participants from Industry etc.).

Registration Fees

Rs. 200/- for faculty members.

Rs. 150/- for PG students & Research Scholars.

Scan & Pay Using PhonePe App



Organizing Committee Members

Dr. K. V. Narasimha Murthy Assoc. Prof

Dr. Ramasamy Subramaniam Asst. Prof

Dr. Kata Sreelakshmi Asst.prof

Dr. Nazeer Ansari Asst. Prof

Dr. P. Ramesh Asst. Prof

Dr. Pujari Bharath Kumar Asst. Prof

Dr. T. Thamizharasan Asst. Prof

Dr. G. Leena Rosalind Mary Asst. Prof

Dr. T. Chalapathi Asst. Prof

Dr. K. Padmaja. Asst. Prof

Dr. A. Divya Asst. Prof

Dr. P. Murugan Asst. Prof

Dr. Durga Bhavani Asst. Prof

Dr. Athmakoori Prashant Asst. Prof

Dr. Sarode Rekha Asst. Prof

Dr. Kezia Saini Asst. Prof

Registration Link:

<https://forms.gle/9He6nepRxC1MaiQ19>

Last Date for Registration : 24/11/2024



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