

About MITS

Madanapalle Institute of Technology & Science is established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 26.17 acre campus on Madanapalle - Anantapur Highway (NH-205) near Angallu, about 10km away from Madanapalle. MITS, originated under the auspices of Ratakonda Ranga Reddy Educational Academy under the proactive leadership of Dr. N. Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent of the Academy and Mrs. N. Keerthi, Executive Director. MITS offering UG courses such as ME, Civil, CSE, EEE and ECE and PG programmes are MBA & MCA. The college is awarded ISO 9001: 2008 certification for the quality policies and also accredited by NBA and NAAC A+. MITS ranked in the band of 251 – 300 in the NIRF 2022 under the engineering discipline. The campus comprises of aesthetically designed buildings that are networked by Wi – Fi technology. The institution is established with the well-equipped workshops and laboratories, computer with internet facilities, smart classroom, seminar halls, auditorium, library and sports facilities that provide an excellent learning environment for the students.

MITS is governed by a progressive management that never rests on laurels and has been striving conscientiously to develop it as one of the best centres of Academic Excellence in India. The Institution's profile is firmly based on strategies and action plans that match changing demands of the nation and the student's fraternity. MITS enjoys constant support and patronage of NRI's with distinguished academic traditions and vast experience in Engineering & Technology.

About Department of Computer Science & Technology

The Department of Computer Science & Technology (CST) was established in the year 2018 and plays a vital role in producing value-based professionals to cater to the ever challenging needs of technical excellence in the emerging areas of CST. The department offers one UG program with an intake of 60 students and it was enhanced to 180 seats in the year 2019. Department has adequate infrastructural facilities required for imparting high quality education and the department is fully structured to meet the contemporary needs of the industry. Imparting high quality education is supported by well qualified and experienced faculty members with rich academic and industry exposure, who have pursued Masters/ Ph.D. degree from prestigious institutions like NITs, IITs, and Central Universities within India and abroad. Seminars, Workshops, and Technical Symposia are conducted in the department to keep faculty and students updated with latest developments in various technologies. The student strength of the department is around 600.

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Professor & Head, Department of CST, MITS

Dr. Basabi Chakraborty

Professor & Dean, Department of CST, MITS

Program Coordinators

Dr. K. Dinesh

Associate Professor, CST, MITS

Program Co – Coordinators

Dr.R. Manikandan

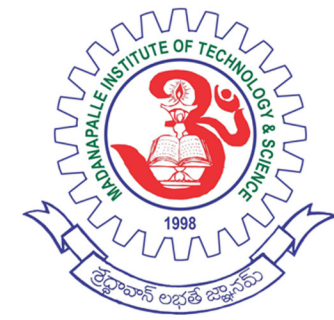
Associate Professor, CST, MITS

Dr. N. MageshKumar

Assistant Professor, CST, MITS

Mr. N. Saikiran

Assistant Professor, CST, MITS



5 Day Faculty Development Programme
On

Exploring the Quantum Frontier:
An In-Depth Investigation of
Quantum Computing and its
Revolutionary Applications

29th January – 2nd February 2024

Organized by the Department of
Computer Science & Technology

**MADANAPALLE INSTITUTE OF
TECHNOLOGY & SCIENCE**
(UGC – AUTONOMOUS INSTITUTION)

Madanapalle-517325, Annamayya Dist., Andhra Pradesh

&

Faculty Development Cell
Jawaharlal Nehru Technological University
Ananthapuramu

&

In association with
ISTE AP Chapter

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Eminent Speakers

Dr R Subramanian
Professor,
Pondicherry Central University

Dr. N. Sivakumar
Professor,
Pondicherry Technological University

Dr. T. KalaiPriyan
Centre for Smart Grid Technologies,
Vellore Institute of Technology, Chennai.

Dr. Himanshu Tyagi
Associate Professor,
Indian Institute of Science, Bangalore.

Dr. Rubell Marion Lincy G,
Assistant Professor,
Indian Institute of Information Technology, Kottayam.

Dr. Asha Bhardwaj
Assistant Professor,
Indian Institute of Science, Bangalore.

Dr. Victor Paul,
Assistant Professor,
Indian Institute of Information Technology, Kottayam.

Dr M. Shanmugam
Assistant Professor,
Pondicherry Central University

Dr. Aravinda S
Assistant Professor,
Indian Institute of Technology, Tirupati.

Dr. Anil Prabhakar
Professor,
IIT Madras.

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Venue

Department of Computer Science & Technology
Madanapalle Institute of Technology & Science
Madanapalle

About FDP

The faculty develop programme on Exploring the Quantum Frontier: An In-Depth Investigation of Quantum Computing and its Revolutionary Applications is highly relevant in the current era where quantum computing has emerged as a transformative technology with the potential to revolutionize various industries. The FDP will provide participants with a deep dive into the theory of quantum computing, covering topics such as quantum mechanics, quantum gates, quantum algorithms, and quantum error correction. It will also explore the hardware and software aspects of quantum computing, including the current state-of-the-art technologies, such as superconducting qubits and trapped ions, and the software platforms available for developing and running quantum algorithms.

Session Topics

1. Basic concepts of Quantum Computing
2. Quantum Gates & Qubits,
3. Quantum Algorithms
4. Quantum Information and Quantum chaos
5. Quantum Cryptography
6. Applications of Quantum Computing
7. Quantum Optimization Algorithm
8. Quantum Hardware
9. Quantum Machine Learning and Optimization
10. Quantum-inspired Optimization Algorithms

Targeted Faculty

Teaching faculty of constituent & Affiliated colleges of Jawaharlal Nehru Technological University Anantapur

Registration



<https://forms.office.com/r/y2hJw93DfJ>

No registration fee
No of registration limited to 30

Selection based on first come first serve basis
Accommodation will be provided for outside participation.