

About the Institutes

GMRITDU: GMR Institute of Technology established in 1997, has grown steadily with a strong focus on academic excellence and ethical values, earning wide recognition for its quality education and consistent performance. In January 2026, the institute was notified as a Deemed to be University under Section 3 of the UGC Act, 1956, by the Ministry of Education, Government of India. GMRITDU provides its learning community state-of-the-art facilities, infrastructure, and a competent faculty. The Institute encourages collaborative learning between industry and academia as a means of reinforcing its curriculum with practical and real-world experiences. All UG programs are accredited by NBA under Tier-1 complying with Washington Accord and the institute is accredited by NAAC with 'A' grade for the three consecutive cycles. In the NIRF-ranking GMRIT was placed in the band of 201-300 for the years 2024 and 2025.

CITD-MSME: Central Institute of Tool Design (CITD) established in 1968 by the Govt. of India with the assistance of UNDP and ILO, is a pioneering Institution in the field of Tool Engineering in the Country. The Institute was initially established as a United Nations Development Programme (UNDP) Project and was executed by International Labour Organisation (ILO). CITD is committed to providing world-class training and skill development in the fields of tool design, manufacturing technologies, and advanced engineering. By nurturing a skilled and industry-ready workforce, CITD aims to bridge the gap between academia and industry, supporting sectors like aerospace, defence, automotive, electronics, and MSMEs. It offers state-of-the-art design and development support, and AI-driven design solutions to drive national initiatives like Atmanirbhar Bharat and Make in India.

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Topic: *Foundations of AI and Smart Technologies*

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Topic: *Data-Driven Engineering Solution*

Mr. Kotwal Suhail Pasha, ESDM Trainer, CITD, Hyderabad.

Topic: *Intelligent Systems and Automation*

Dr. Kishor Kumar Gajrani, IIIT DM Kancheepuram.

Topic: *Advanced AI Technologies and Tools*

Mr. Mohanraj, Associate Manager, Nielsen

Topic: *Implementation Strategies and Future Trends*



GMR Institute of Technology (GMRIT) Deemed to be University

Conducting One-Week Online
Faculty Development Program in Collaboration
with CITD – MSME

Titled

**AI-Driven Smart Technologies for
Advanced Engineering Applications**

23rd to 28th March 2026

Organized by

Department of Mechanical Engineering



Visit us at: <https://www.gmr.it.edu.in/>

<https://www.citd.in/>

About the Departments

The Department of Mechanical Engineering, established in 1997, is NBA accredited (Tier-1) and admits 120 students annually. It emphasizes strong fundamentals, mathematical rigor, and innovative thinking through an outcome-based Choice Based Credit System. The department is supported by highly qualified and research-oriented faculty actively involved in funded projects, publications in reputed journals, patents, and industry collaborations. State-of-the-art laboratories and advanced research facilities promote experimental learning, innovation and interdisciplinary research, helping students develop strong research competencies. A vibrant academic environment along with industry internships, live projects and consultancy activities, bridges the gap between theory and practice. Regular technical workshops, seminars and research-oriented programs further enhance student exposure. Consistent success in placements, higher education and research careers reflects the departments academic excellence and strong research culture.

CITD maintains strong collaborations with government agencies, industries, educational institutions and international organizations. Through consultancy, R&D, product development, reverse engineering and technology transfer, the institute supports key sectors such as aerospace, defence, automotive, electronics and MSMEs. These partnerships provide industries with high-quality design solutions, precision tools and advanced engineering expertise for global competitiveness. Beyond technical education, CITD actively contributes to national initiatives such as Skill India, Make in India, and Atmanirbhar Bharat by developing skilled manpower, promoting innovation, and strengthening small and medium enterprises.

About the FDP

The Faculty Development Programme (FDP) titled "AI-Driven Smart Technologies for Advanced Engineering Applications" aims to provide faculty members, researchers, and professionals with a comprehensive understanding of the role of Artificial Intelligence in modern engineering. As industries rapidly adopt automation, intelligent systems, and data-driven decision-making, engineering education and research must align with these emerging trends. This FDP is designed to bridge that gap by offering participants the knowledge and skills required to integrate AI-driven technologies into academic, research, and industrial environments. The programme focuses on the fundamental and advanced concepts of AI, exploring how machine learning algorithms, smart sensors, IoT devices, data analytics, and intelligent control systems are transforming traditional engineering practices.

Objectives

- To build a strong understanding of Artificial Intelligence and its role in modern engineering.
- To introduce smart technologies such as IoT, machine learning, robotics, and data-driven systems.
- To demonstrate interdisciplinary AI applications across major engineering domains.
- To enhance skills in applying AI for predictive maintenance, automation, digital twins, and intelligent control.
- To familiarize participants with emerging AI trends for integration into teaching and research.

Contact Persons

Dr. G. Sasidhar : 8978998539

Dr. A. L. Naidu : 9100488678

Eligibility

All interested Faculty, Research Scholars, PG Students, and Industry Personnel.

Registration Details

Faculty, Research Scholars, PG Students : Rs. 300/-

Industry Participants : Rs. 500/-

Bank Account Details for Payment

Account : Indian Society of
Technical Education
GMRIT Chapter

Bank Name : Union Bank of India



(Please upload payment receipt copy along with the UTR number while doing registration)

Registration Link

<https://tinyurl.com/GMRDUFDP>

Certificate

The link for the different sessions will be emailed to the registered participants. The certificate will be issued for those participants who have attended the program with a minimum 80% attendance.