

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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Director-Education, GMRVF

Dr. Vijay Krishna Kanth
Principal Director, CITD-MSME

Patrons

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Resource Persons

Mr. Singanapudi Vamsi, Machine Learning Engineer, CITD, Hyderabad

Topic: *Machine Learning Techniques for Intelligent Electric Vehicles:*

Dr. P. Bharani Chandra Kumar, Director, GITAM, Visakhapatnam.

Topic: *Control Strategies for Smart Electric Vehicles*

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

Topic: *Role of Internet of Things (IoT) in Electric Vehicles*

Dr. D. Raveendhra, Asst. Professor, NIT Allahabad.

Topic: *(Handson) OBCs with V2X Features for Smart Charging of EVs*

Dr. V. Venkataramana, Associate Professor, SR University

Topic: *Deep Learning-Based EV Charging with Price Forecasting*



GMR Institute of Technology (GMRIT) Deemed to be University

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

Titled

**Smart EV Control: AI, IoT and V2X
Technologies**

6th to 10th April 2026

Organized by

Department of Electrical and Electronics
Engineering



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

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

About the Departments

The Department of Electrical and Electronics 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

A one-week Faculty Development Program (FDP) on "Smart EV Control: AI, IoT, and V2X Technologies" focuses on advanced AI and machine learning techniques for smart electric vehicles. Participants will learn deep learning-based electricity price forecasting, adaptive control strategies, and intelligent charging management. The program covers IoT sensor integration and V2X communication protocols for OBCs. Practical implementations include charging systems design, grid integration, autonomous EV control strategies, and sustainable future mobility solutions through hands-on projects and real-world applications.

Objectives

- To develop a clear understanding of AI and its applications in smart EV systems.
- To integrate advanced technologies like IoT, machine learning, and intelligent control in EVs.
- To demonstrate the use of AI-driven strategies in EV performance and grid coordination.
- To familiarize participants with emerging trends such as V2X and smart charging systems.
- To enable integration of AI-based EV technologies into teaching and research.

Topics Covered

- AI & Deep Learning for EV intelligence, performance prediction and fault analysis.
- Smart control strategies for efficient EV-grid coordination and operation.
- IoT & V2X integration for real-time monitoring and smart charging systems.
- Energy management through price forecasting and optimal load scheduling

Contact Persons

Dr. R. Ramakrishna	: 9701588889
Dr. R. Vijaya Krishna	: 8686588448

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 GMRT 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/FDP-EEE-GMRITDU>

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.