About the University

GMRITDU: Established in 1997, GMR Institute of Technology 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, it was notified as a Deemed to be University sponsored by GMRIT Foundation (section 8 Company) under Section 3 of the UGC Act, 1956, by the Ministry of Education, Govt. 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 and the institute is accredited by NAAC with 'A' grade. GMRIT Deemed to be University has gained international recognition through its inclusion in THE World University Rankings and THE Impact Rankings across several Sustainable Development Goals (SDGs).

About the Departments

The Department of Electronics and Communication Engineering (ECE) at GMRITDU was established in 1999 and offers B.Tech., and M.Tech. (VLSI & Embedded Systems) and Ph.D. The department is accredited by NBA under Tier1 and dedicated to imparting high-quality education and fostering innovation in the field of electronics and communication. The department has qualified faculty and nurturing the students with solid scientific/technical and research capabilities in the design, and development of electronic devices and systems used in a wide spectrum of applications. The department also actively promotes research and development, encouraging students and faculty to engage in projects that push the boundaries of technology in the thrust areas of ECE.

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Topic name: AI-Driven Human Movement Analysis for Intelligent Healthcare: from Gait Assessment to Rehabilitation

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Topic Name: Role of AI in Smart grid and Electric Vehicles

Dr. P. Bharani Chandra Kumar, Professor, GITAM
Topic name: AI in drone technology

Dr. Pulli Kishore Kumar, NIT-AP.
Topic Name: Neural Network Based Radar Signal Processing

Dr. Ravindranadh K, Professor, GMRITDU
Topic: AI-Driven Materials for Energy & Environment

Dr. K. Jayasri, Professor, GMRIT-DU
Topic Name: AI in Healthcare & Medical Diagnostics

Dr. Sreejyothsna Ankam, Associate Professor, GMRIT-DU
Topic name: Emerging Trends and Innovations in Artificial Intelligence for Healthcare

GMRIT Deemed to be University

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The Department of Electrical and Electronics Engineering (EEE) at GMRITDU was established in 1997. The department is accredited by NBA under Tier-1 and offers B.Tech., and M.Tech. and Ph.D. Strong foundation in EEE fundamentals, emphasizing mathematical, scientific principles, cultivating meritorious and self-disciplined engineers is the motto of this department. Moreover, highly qualified faculty and vibrant academic atmosphere nurture the students' innate skills to achieve the department's goals. Industry internships, extra-curricular and co-curricular activities bridge the gap between class-room theories and real-world applications, eventually transforming the student potentially ready for industry. In addition, the state-of-the-art research facilities encourage students to develop research competencies and enable them to broaden their horizons.

About the FDP

Artificial Intelligence is transforming engineering and biomedical domains through innovative real-world applications. This Faculty Development Program on "AI for Next-Generation Engineering: Energy, Mobility, Communication & Healthcare" brings together experts from academia and industry to explore emerging AI, Machine Learning and Deep Learning applications. The FDP will cover smart grids, electric mobility, next-generation communication systems, optical sensing and healthcare diagnostics through expert lectures, interactive sessions and practical insights. It aims to bridge AI theory with engineering practice, enhance research capabilities, support competitive project development, and promote AI-integrated curriculum. The program will also foster interdisciplinary collaboration and innovation for addressing contemporary engineering and societal challenges.

Objectives

- Explore emerging AI, ML and deep learning technologies.
- Understand AI architectures for engineering and biomedical applications.
- Apply AI techniques to power systems, electric mobility, and wireless communications.
- Explore AI applications in digital healthcare and biomedical systems.
- Develop hands-on skills using AI tools, simulation platforms, and hardware.
- Promote interdisciplinary research, innovation and collaborative projects.
- Align curriculum and research with emerging industry and technological trends.

Topics Covered

- Optical Sensors for Health, Water and Food Applications
- AI Driven Human Movement Analysis for Gait Assessment and Rehabilitation
- Radar Signal Processing Fundamental and Neural Network Based Radar Signal Processing
- Role of AI in Smart grid and Electric Vehicles
- AI in drone technology
- AI-Driven Materials for Energy & Environment
- AI in Healthcare & Medical Diagnostics
- Emerging Trends and Innovations in Artificial Intelligence for Healthcare

Contact Persons

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Dr. T.S.L.V.Ayyarao : 9000400388

Eligibility

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

Registration Fee

Faculty	:	Rs. 1500/-
Research Scholars	:	Rs. 1000/-
Internal Faculty & PG Students	:	Rs 750 /-
Industry Participants	:	Rs. 2000/-
Last Date of Registration	:	20/11/2026

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://forms.gle/dqjgUZi2nmPZnkZu6

Accommodation

Accommodation will be provided on request within the campus.