



About GMRIT

www.gmrit.edu.in

GMR Institute of Technology is situated at Rajam, a small industrial town about 100 KMs from the 'city of destiny', Visakhapatnam in Andhra Pradesh. The campus of the institute is spread over sprawling 117 acres of land. The lush sylvan and idyllic surroundings at the heart of the agricultural belt, offer an ideal setting for higher studies. The institute is affiliated to the Jawaharlal Nehru Technological University, Kakinada and is approved by AICTE New Delhi. The institute has been accredited NAAC – 'A' grade of UGC. The institution is also having ISO 9001:2008 Quality Systems. The department of EEE has been accredited by National Board of accreditation (NBA) from AY 2022-23 to 2024-25.

GMRIT offers 4-year B.Tech. Programs in seven core disciplines, 2-year M. Tech programs in six specializations.

The approved annual intake of the institute is 1038 students. The institution received the grant extension of autonomous status for a period of ten years w.e.f 2018-19 to 2027-2028.

About EEE Department

Vision

To be a nationally preferred department of learning for students and teachers alike, with dual commitment to research and serving students in an atmosphere of innovation and critical thinking.

Mission

To provide high-quality education in Electrical & Electronics Engineering to prepare the graduates for a rewarding career in Electrical & Electronics Engineering and related industries, in tune with evolving needs of the industry.

To prepare the students to become thinking professionals and good citizens who would apply their knowledge critically and innovatively to solve professional and social problems

Overview

The Department of Electrical & Electronics Engineering was established in 1997. Department of EEE offers Four year B.Tech and Two year M.Tech

programs. The department has a rich tradition and well qualified faculty and widely recognized laboratories. The department provides a strong mathematical and scientific foundation in Electrical and Electronics Engineering fundamentals. The course also addresses and develops abilities in the application of design processes to innovative engineering solutions. Annual intake of this Department is 120 students.

Facilities & Infrastructure

- Sophisticated Laboratories include:
 - Electrical Machines Lab
 - Electrical Engineering Lab
 - Electrical Measurements Lab
 - Power Systems Lab
 - Power Electronics Lab
 - Electrical Systems Simulation
 - Power Electronics and Drives Lab (PG)
- Recognized as a Research Centre to pursue Ph. D at EEE-GMRIT under JNTUK, Kakinada
- An efficient administrative office that operates as per ISO-9001 standards
- A well-stocked department library
- Committed and dedicated faculty

Major Courses Offered

- Electrical Machines
- Electrical Circuits
- Measurements and Instrumentation
- Semiconductor Devices & Circuits

- Linear and Digital integrated circuits
- Electromagnetic Field Theory
- Control Systems
- Power Generation, Transmission and Distribution
- Power System Protection
- Green Energy Technologies
- Power Electronics
- Electrical Vehicle Technologies
- Signals and Systems Theory
- Electrical Drives
- Power System Analysis and Control
- Engineering Economics and Project management

Academic Achievements

Technical Paper Publication in Conferences

International Conference

- RK Patnaik et al. published a article on "Transformerless high step-up DC–DC converter with voltage multiplier concept," AIP Conference Proceedings, AIP Publishing LLC, Vol. 2690, no. 1, p. 020043, Mar 24 2023.

Papers Published in Journals

- NSS Ramakrishna et al. published research article on "Reduction of High Dimensional Noninteger Commensurate Systems Based on Differential Evolution", International Transactions on Electrical Energy Systems,

Volume 2023, Article ID 5911499,pp,1-10, March 2023. (Indexed by SCI,Q2, IF:2.639, <https://doi.org/10.1155/2023/5911499>)

- K.Karthick et al. published research article on "Identification of Dry Bean Varieties Based on Multiple Attributes Using CatBoost Machine Learning Algorithm", Scientific Programming, vol. 2023, Article ID 2556066, 21 pages, 2023. <https://doi.org/10.1155/2023/2556066>. (Scopus Indexed)

Long Service Award

The following faculty and staff members of EEE received the 'Long Service Award' from the Management of GMR Institute of Technology, Rajam.

- Dr. P Ramana, Professor & HOD / EEE (20 Years)
- Dr. T Srinivasa Kishore, Professor (10 Years)
- Dr. J S V Siva Kumar, Associate Professor (10 Years)
- Dr. M Rambabu, Associate Professor (10 Years)
- Dr. T S L V Ayya Rao, Associate Professor (10 Years)
- Dr. L V Suresh Kumar, Associate Professor (10 Years)
- Dr. Ch. Hemanth Kumar, Sr. Assistant Professor (10 Years)

- Dr. M Vinay Kumar, Sr. Assistant Professor (10 Years)
- Dr. G Indira Kishore, Sr. Assistant Professor (10 Years)
- Mr.Ch V S Srinivasa Murthy, Sr. Lab Technician (10 Years)
- Mr.S Kamesh, Lab Technician (10 Years)
- Mr.A Damodhara Rao, Lab Technician (10 Years)
- D Durga Rao, Sr. Lab Assistant (10 Years)
- Ms.P Mary, Assistant (20 Years)
- Mr.M Sridhar, Assistant (20 Years)