

About the Institutes

GMRIT: GMR Institute of Technology (GMRIT) was established in the year 1997 by GMR Varalakshmi Foundation – the corporate social responsibility arm of GMR Group. GMRIT offers aspiring engineers' high quality technical education. It is currently placed among the top 50 colleges in the country and among the top 5 colleges in the state of Andhra Pradesh. GMRIT 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. It offers Eight UG and Five PG programs. All B.Tech programs are accredited by NBA under Tier-1 complying with Washington Accord and the college is accredited as an 'A' grade institution by NAAC for the three consecutive cycles. In the NIRF-ranking GMRIT was placed in the band of 201-300 for the year 2025.

AUCE: Andhra University College of Engineering (AUCE) had been established in 1955 on a sprawling area extending to 160 acres. The Campus offers 17 UG and 35 PG programmes besides research on par with technical institutions worldwide. The strength of the college is its faculty who motivate the students in leading the country in its on-going technological revolution and entrepreneurial skills. The college was supported by Technical Education Quality Improvement Programme (TEQIP), a World Bank funded project to develop technical education in the country. The faculties of the departments are engaged in individual research besides consultancies with public and private and national research with organizations.

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Dr. Bala Prakasa Rao Killi, Dept. of CSE, NIT -Warangal
Topic: *Foundations of Generative AI & LLMs, Generative AI for SDN Security*

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Topic: *Prompt Engineering & LLM Optimization*

Dr. K.V.N. Rajesh, CloudThat Technologies, Bangalore
Topic: *Agentic AI: Autonomous and Multi-Agent Systems*

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Topic: *Tools, Frameworks & Hands-on Workflows*

Dr. P.N. Singh, Professor, GMRIT, Rajam
Topic: *Applications, Ethics & Future Directions*



GMR Institute of Technology

Conducting One-Week Online Faculty Development Program in Collaboration with Andhra University College of Engineering

Titled

Agentic AI and Generative AI: Foundations, Tools and Future Directions

24th to 28th February 2026

Organized by

Department of CSE-Artificial Intelligence & Machine Learning

&

Department of Information Technology & Computer Application



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<https://www.andhrauniversity.edu.in/>

About the Departments

The Department of Artificial Intelligence and Machine Learning (AI&ML) is at the forefront of cutting-edge research and innovation in the fields of AI, Machine Learning, and data-driven technologies. Our mission is to empower students with the knowledge and skills required to tackle the most complex challenges in these rapidly evolving fields. The department have highly competent faculty with 100+ Scopus & SCI indexed publications and the research areas includes AI-driven healthcare, intelligent transportation systems, smart cities, Natural Language Processing, Robotics and Autonomous Systems and predictive analytics. The department maintains strong ties with leading tech companies, research institutions, and start-ups in the AI space. The department's ultimate purpose is to cultivate skilled engineers and researchers who contribute to technological advancement, societal development, and the growing demand for AI and ML expertise across industries.

The Department of Information Technology and Computer Applications at Andhra University was formed in the academic year (2018-2019). The Department has designed a curriculum to apply concepts of Information Technology in collaboration with various inter disciplinary areas. The department has good infrastructure, computing equipment and laboratories. The faculty of the department have rich teaching and research experience. The students are admitted through a state level common entrance examination. Even though it is a young department, students are well placed in reputed software companies and department is very active in organizing workshops, seminars and training programs. The programs offered in the department meet requirements of both the industry and academia.

About the FDP

This FDP aims to provide faculty members, research scholars, and industry professionals with an in-depth understanding of rapid evolution of Generative AI (GenAI) and Agentic AI is transforming how intelligent systems are designed, deployed, and interacted with. From large language models to autonomous multi-agent systems, these technologies are redefining automation, decision-making, and human-AI collaboration. This Faculty Development Programme aims to provide strong conceptual foundations, hands-on exposure to modern tools, and insights into future research and applications of Agentic AI and Generative AI. The program is designed to bridge the gap between theory and practice, enabling participants to integrate cutting-edge AI techniques into teaching, research, and real-world problem-solving.

Objectives

- Provide a comprehensive understanding of Generative AI and Agentic AI fundamentals.
- Explain the working principles of Large Language Models (LLMs) and transformer architectures.
- Familiarize participants with agent-based AI architectures and multi-agent systems

Topics Covered

- Evolution of AI → ML → Deep Learning → Generative AI
- Introduction to Generative Models (GANs, VAEs, Diffusion – overview)
- Prompt Engineering fundamentals. Introduction to Instruction Tuning and RLHF (conceptual)
- Agent architectures, Single-agent vs Multi-agent systems
- LangChain fundamentals, Retrieval Augmented Generation (RAG)
- Agentic AI use cases, Ethical, legal, and societal issues.

Contact Persons

Dr. Ch. Sekhar	:	9949006418
Dr. P. Satish Kumar	:	9985267810

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://forms.gle/gECSeXLmJxiCTiBDA>

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 minimum 80% attendance.