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 2024.

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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Director-Education, GMRVF

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Resource Persons

Prof. (Dr.) Gang Li, AI director in the Cyber Security Research Centre, Deakin University, Australia
Topic: Data privacy and security concerns in cloud analytics Data Governance Regulatory compliance (GDPR, CCPA, etc.)

Dr. Raghavendra Kumar Chunduri, Senior Lead Engineer, Concentrix CORP, Omaha, NE USA
Topic: Big data analytics with cloud, Natural Language Processing (NLP) and AI in data analytics

Mr. Gour Chandra Mishra, Senior Consultant, Equinix, Singapore
Topic: Cloud Computing for Data Analytics, and Machine Learning in the Cloud, Running an ML model on a cloud platform

Mr. G. Srikanta, Senior Staff Engineer, Google, Bangaluru.
Topic: Data Visualization and Business Intelligence (BI) Tools

Mr. V. Pavan, Senior Technical Manager, Brainovision Solutions India Pvt. Ltd., Hyderabad
Topic: Data Processing and Storage in the Cloud, Cloud-based data processing tools

GMR Institute of Technology

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

Titled
Emerging Trends in Data Analytics and Visualization using Cloud Technologies

17th to 21st March 2025

Organized by
Department of Information Technology
&
Department of Information Technology & Computer Application

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About the Departments

Department of Information Technology at GMRIT was established in 1999. The curriculum delves into the multifaceted applications of information technology, equipping students with the expertise to manage IT resources effectively. A key focus of the department lies in the practical application of IT principles across diverse information and administrative systems. With an annual intake of 120 students, the program ensures a close-knit learning environment that cultivates a thorough understanding of the theoretical and practical aspects of IT. This in-depth exposure prepares graduates for successful careers in various IT domains, including software development, system administration, and network engineering. The department has a highly competent faculty with over 100 Scopus and SCI-indexed publications, specializing in AI-driven healthcare, Natural Language Processing, and predictive analytics.

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

The Faculty Development Program (FDP) on "Emerging Trends in Data Analytics and Visualization using Cloud Technologies" aims to equip faculty members, researchers, and professionals with the latest knowledge and hands-on experience in the field of data analytics. With the exponential growth of data, cloud computing has become an essential tool for efficiently storing, processing, and analyzing large datasets. This FDP will provide insights into emerging trends, tools, and technologies in data analytics and visualization using cloud platforms like AWS, Microsoft Azure, and Google Cloud.

Objectives

- Provide comprehensive knowledge of data analytics and visualization techniques.
- Explore big data frameworks and techniques for handling large datasets efficiently using cloud-based solutions.
- Educate participants on data governance, privacy, and security protocols
- Encourage Research and Innovation to integrate cloud-based analytics in research and academic projects.

Topics Covered

- Overview of data lifecycle and types of analytics & Benefits of cloud for data analytics.
- Cloud storage services & Cloud-based data processing tools.
- Cloud-Based Analytics Platforms & Machine Learning for Data Analysis Technologies and Frameworks.
- Data Visualization and Business Intelligence (BI) Tools.
- Advanced Data Analytic Techniques for NLP & BDA.
- Security, Ethics, and Future Trends in Data Governance.

Contact Persons

Dr. Ajit Kumar Rout	: 9652907139
Dr. P. Srihari	: 8897887944

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://shorturl.at/Tseip

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.