Information Technology Department

About GMRIT

Newsletter Issue-5

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). 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 IT Department

Vision

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

Mission

To provide adoptable education for the graduates in preparing them for a rewarding career to develop academic and research in collaboration with industry and other institutions in the field of Information Technology. **(M1)**

To prepare the students as thinking professionals and good citizens who will be able to apply their knowledge critically and innovatively in solving professional and social problems.**(M2)**

Overview

GMRIT's Information Technology Department was formed in 1999 and covers the technical attributes of

IT, its multiple applications and the appropriate management of IT resources. Courses especially focus on the application of IT in various information and administrative systems. The annual intake of this Department is 120 students.

Facilities & Infrastructure

Three state-of-the-art laboratories - Interactive, Networking, & Unix Labs.

- Over 170 high configuration branded (HP) systems and two Intel Xeon dual processor servers.
- 1 GBPS Bandwidth Internet connectivity from BSNL & Airtel through dedicated leased lines.
- Video conferencing, Digital library, e-journals, e-learning & e-book facilities through INDEST (Indian National Digital Library in Engineering, Science & Technology) membership.
- CTLP and Video Courses on LAN.
- LAN connectivity through OFC, Wireless & Intranet.
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Major Courses Offered

- Data Structures
- Computer Networks
- Computer Organization
- Object Oriented Programming through Java
- Operating Systems
- Data Base Management System
- Middleware Technologies
- Software Engineering
- Information Security
- Object Oriented Analysis and Design
- Cloud Computing
- Distributed Databases
- Human Computer Interaction
- Design and Analysis of Algorithms
- Web technologies
- Network Programming
- Data Warehouse & Data Mining
- Data Analytics

Academic Achievements

Papers Published in Conferences

1. Dr. Jayasri Kotti, et.al., presented a paper on "Face Emotion Recognition based on images using the Haar-Cascade front end approach" Proceedings of the 4th International Conference on Cognitive Computing and Cyber Physical Systems 2023 (IC4S 2023) during 04-06 Aug.2023, Hosted by Vishnu Institute of Technology, Bhimavaram.

2. Kishore, A. R., et al.," Design of an efficient VARMA GRU LSTM based predictive Trust Model for high-performance Blockchain networks" *Journal of Integrated Science and Technology 12*(1), 708. Retrieved from https://pubs.thesciencein.org/journal/index.php/jist/article/view/a708

    (Scopus Indexed, Impact Factor 2022:4.32)

Papers Published in Conferences

1. Choudhary, A.K. presented a paper on ''TTSMSN: Design of an Efficient Temporal Trust-Based Side chaining Model for Improving Storage Efficiency in IoT Networks '' proceedings of the International Conference on Data Analytics and Insights, ICDAI 2023 ; Kolkata; India; 11 May 2023 through 13 May 2023; Lecture Notes in Networks and Systems Volume 727 LNNS, 2023, Pages 307-317;.

2. Anilkumar, C., et.al., presnted a paper on ''Smart Attendance System with Face Recognition using OpenCV '' Proceedings of the 2023 2nd International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2023, CARE College of Engineering Trichy; India; 23 August 2023 through 25 August 2023; Pages 1149-1155. Category numberCFP23CB2-ART; Code 192825.
    Link :
    DOI: 10.1109/ICAISS58487.2023.10250715

Webinars/Faculty Development Programs

1. Ashutosh Kumar Choudhary has Participated in 5- days STTP on "Data Science for Business "organized by department of AI&DS VIIT, Pune held from 4/09/2023 to 8/09/2023.

Other Events

1. IT Dept has successfully organized an Two days Workshop named " **Informatica Tool**" on 29/09/2023-30/09/2023 for B.Tech III year.

2. Department of IT has organized a guest lecture on "Devops and AWS" on 30/09/2023 for B.Tech II and III year students.(online mode).

3. IT Dept has successfully conducted guest lecture an **"Recent Trends in IT Sector"** on 19/10/2023.

4. IT 3rd year Students Anirudh(21341A1201), Hitesh Mohan(21341A1290) and Gowtham sai (21341A1282) took part in **"Startup Success Days"** an Event organised by **"Google For Startups "** in Collabration with **AU-Hub** at Andhra University.

5. Two students of 4th year IT have been selected for full semester internship in paris (V. Nirmala Priya 20341A12C8, Seetha mahalaxmi 20341A1256.

6. IT Dept Successfully organizing the Project EXPO under Project club. All Final year Projects.