

Information Technology Department



January - February
2022

About GMRIT

Newsletter Issue-1

www.gmr.it.org

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 Journals

1. A. K. Rout, A. Shety and K. Modekurti, "Counterfeit Regulation through Machine Learning Approach and Deployment in Dockers," 2022 12th International Conference on Cloud Computing, Data Science & Engineering (Confluence), 2022, pp. 500-507, doi: 10.1109/Confluence52989.2022.9734203.
2. A. Sethy, A. K. Raut and S. R. Nayak, "Face Recognition Based Automated Recognition System," 2022 12th International Conference on Cloud Computing, Data Science & Engineering (Confluence), 2022, pp. 543-547, doi: 10.1109/Confluence52989.2022.9734135.
3. K. Dhana sree devi, chundururu anilkumar and morsa chaitanya, " a survey on generic view of sentiment analysis using ml" Jilin Daxue Xuebao

(Gongxueban)/Journal of Jilin University (Engineering and Technology Edition), Vol: 41 Issue: 02-2022, pp. 9-30.(Scopus), ISSN (Online): 0493-2137, DOI 10.17605/OSF.IO/gKZVJ.

4. Chundururu anil kumar , k. Dhana sree devi and abhisek sethy, "development of conversational assistant in educational support system using ibm watson" Tianjin Daxue Xuebao (Ziran Kexue yu Gongcheng Jishu Ban)/ Journal of Tianjin University Science and Technology, Vol:55 Issue:02:2022,pp. 359-368, (Scopus). ISSN : 1671-5497, DOI 10.17605/OSF.IO/RFJXV.

Webinars/Faculty Development Programs

- 1 Mr. Abhisek Sethy attended Online faculty development program on "Master Class on Artificial Intelligence" organized by the Pantech e Learning Pvt. Ltd. Under Skill APSSDC from 6.12.2021 to 4.01.2022.
- 2 Mr. Harikrishna Marrapu attended Online faculty development program on "Machine learning Applications for autonomous driving" organized by Aicte Training and Learning Academy(ATAL) from 24.01.2022 to 28.01.2022
- 3 Dr. Ajit Kumar Raut and Mr. Abhisek Sethy attended Online faculty development program on "QIP sponsored short-term course (STTP) titled Computer Vision - the Artificial Intelligence for an Eye" organized by the Organized By Pattern Analysis & Machine Intelligence Lab Department of Computer Science & Engineering Indian

Institute of Technology Indore, Indore 453552 from February 21 – 26, 2022.

- 4 Mr. Abhisek Sethy attended Online faculty development program on "Master Class on Data Science and Analytics" organized by the organised by Pantech e Learning Pvt. Ltd. Under Skill APSSDC from 20.02.2022 to 18.02.2022.

Training and Placement

- Bommali Lokesh placed in 3 companies, Capgemini with 4.0 LPA, Wipro with 3.50 LAP and Infinite Computer Solutions with 3.50 LAP. Infinite Computer Solutions
- Gottapu Tirupathi, Jamma Rushi and Piriya Adarsh placed are placed in Capgemini with 4.0 LPA.