

Information Technology Department

July-August
2022

About GMRIT

Newsletter Issue-4

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. Mrs.T.Dania, "RobustFraud Detection Mechanism Cyber Security and Network Security," 2022 12th International Conference on Cyber Security and NetworkSecurity,doilink:
<https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119812555.ch410.1109/Confluence52989.2022.9734203>.
2. Mrs. T. Dania, "IoT and Artificial Intelligence for Healthcare Informatics: Evolving Technologies," 2022 12th International Conference on Handbook of Research on Mathematical Modeling for Smart Healthcare Systems, 2022, DOI: 10.4018/978-1-6684-4580-8.ch006.
3. Mrs.T.Dania, "Intrusion detection using optimized ensemble classification in fog computing

paradigm" 2022 12th International Conference on Knowledge-Based Systems, doilink: <https://doi.org/10.1016/j.knosys.2022.109364>.

4. Mrs. T. Dania, " Network Intrusion Detection and Mitigation Using Hybrid Optimization Integrated Deep Q Network" 2022 12th International journal of Cybernetics and Systems, 2022, DOIlink: <https://doi.org/10.1080/01969722.2022.2088450>.
5. Dr Ajit Kumar Rout," Adaptive MLELM-AE Model for Efficient prediction of Stock Market Data" 4th International Conference on Sustainable Computing and Management (SUSCOM-2022) on 06-08-2022.

- CHANDRASEKHARUNI SAI VAMSEE (19341A1223) placed in REVIDD with 6.0 LPA.
- DONKANA SAI KEERTHANA (19341A1234) placed REVIDD with 6.0 LPA.
- DAVARASINGI KISHORE (19341A1240) placed in REVIDD with 6.0 LPA.
- GEDELA BHARGAV NAIDU (19341A1242) placed in REVIDD with 6.0 LPA.
- GOLLU AJAY (19341A1243) placed in REVIDD with 6.0 LPA.
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Training and Placement

- P.SRI SAI LAKSHMI KEERTHANA (19341A1285) placed in Hexaware with 4.0 LPA.
- SASAPU BHARATH KUMAR (19341A12A2) placed in Hexaware with 4.0 LPA.
- THULLURU PREM CHAND (19341A12B7) placed in Hexaware with 4.0 LPA.
- YETCHINA SANTOSH (19341A12C8) placed in Hexaware with 4.0 LPA.
- MOHAMAD FASI AHMED (19341A1273) placed in Naggaro with 4.5LPA.
- K.K.B.N. KARTHIK (19341A1251) placed in Infosys with 4.0LPA.
- KURRA SAI (19341A1262) placed in Infosys with 4.0 LPA.
- KAVALI VISHU VARDHAN REDDY (19341A1257) placed in Hexaware with 4.0 LPA.
- BHEEMAVARAPU BALAJI (19341A1217) placed in REVIDD, TCS with 6.0 and 3.5LPA.
- BISHWAJIT BEHERA (19341A1220) placed in REVIDD with 6.0 LPA.