

Information Technology Department

March-April
2022

About GMRIT

Newsletter Issue-2

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

Webinars/Faculty Development Programs


- 1 Mr. Abhisek Sethy attended online faculty development program on one Week "AICTE FDP on Research Avenues in Machine Learning & AI for Societal Issues (2022)" organized by department of Computer Science & Engineering NIT SILCHAR from 14th-18th March 2022.
- 2 Dr. P.Kanchanamala and k.santoshi attended online faculty development program on "Advancements in Security using Deep Learning" organized by GMR Institute of Technology & VR siddhartha Engineering college from 21-3-2022 to 25-3-2022.
- 3 Mr. Abhisek Sethy and Mrs. T Dania attended Online faculty development program on "Advancements in Security using Deep Learning" organized by the jointly organized by department

of Computer Science & Engineering of GMR Institute Of Technology & V.R. Siddhartha Engineering College from 21st – 25th , March 2022.

- 4 K.Santoshi attended Online faculty development program on “Advanced Signal Processing, Communications using AI and ML Techniques” organized by the jointly organized by ECE dept. of GMRIT & SSIT from 21st – 25th , March 2022.

- 5 Dr. P.Kanchanamala attended Online faculty development program on “Research Applications in Machine Learning-2022” organized by the GMR Institute of Technology & AU College of Engineering from 28-3-2022 to 1-4-2022.

- 6 . Ajit Kumar Rout, Dr. P. Kanchalama, Dr. M. Suneetha, Mr. Abhisek Sethy, Mr. Ch. Anil Kumar, Mr. Y. Suryaprakash, Mr. Krishna Chaitanya V, Mr. M. Srihari, Mrs. T. Dania, Ms. U. Archana, Mrs K. Santoshi are attended “Research Application in Machine Learning (RAML-2022) “ Organized by Department of IT, GMR Institute of Technology, Rajam, Andhra Pradesh & Department of CS&SE, AU College of Engineering, Andhra University 28th March 2022 to 1st April 2022.

 Joint Collaborative Five days Online Faculty Development Program on Research Applications in Machine Learning (RAML-2022) 28th March– 1st April 2022 Organised by Department of Information Technology GMR Institute of Technology, Rajam Andhra Pradesh (UGC-Autonomous Institution, Affiliated to JNTU Kakinada, Accredited by NBA and NAAC) & Department of Computer Science & Systems Engineering AU College of Engineering(AUCE(A)) Andhra University Accredited by NAAC with 'A' Grade	Objective of the FDP The objective of this FDP is to present recent trends and applications of machine learning. This area is of utmost importance as there is a significant and growing demand for artificial intelligence (AI) professionals and researchers in businesses, public agencies, and nonprofit organizations. This FDP would provide participants with the guidelines to explore the area of machine learning and its application. The participants would learn to develop methods for solving problems related to diverse computational fields.	About AU College of Engineering (AUCE(A)) Visakhapatnam The present Andhra University College of Engineering (A) campus had been established in 1955 on a sprawling area extending to 160 acres. The campus offers 17 UG and 35 PG programs besides research on par with technical institutions worldwide. The strength of the college is its faculty who motivates the students in leading the country in its ongoing technological revolution and entrepreneurial skills. The college is supported by Technical Education Quality Improvement Program, a world bank funded project to develop the technical education in the country. The faculties of the departments are engaged in individual research besides collaborations with public, private and national research organizations.
	About GMRIT Established in 1997, GMR Institute of Technology has come a long way since its inception and has carved a niche for itself in the corporate world. It is currently placed among the top 50 colleges in the country and among the top 5 colleges in the state of Andhra Pradesh. It offers Nine under Graduate and Six Post Graduate programs. All B.Tech programs are accredited by NBA under 'Top-1' complying with Washington Accord and the college is accredited as an 'A' grade institution by NAAC for the three consecutive cycles. In the ranking done by NIRF-MHRD, GMRIT was put in the rank band 201-250 at the country level for the years 2020 and 2021. Further, GMRIT was declared as the 1st best Clean & Smart campus by AICTE.	About Department of CS & SE, AUCE(A) The Department of Computer Science and Systems Engineering was given the status of a separate department in 1983 after bifurcation of the Electrical Engineering department. Since inception, it has grown in stature to be ranked amongst one of the best in the country. The Courses offered in the department meet the requirements of both industry and research. The faculty of the Department are actively engaged in research in the areas of Data & Knowledge Management, Software Engineering, Image Processing, Cryptography, Data Mining, and Artificial Intelligence. The faculty members are collaborating with institutions like Center for Artificial Intelligence & Robotics, Bangalore, Tech Mahindra Ltd, IBM Visakhapatnam, Business Analytics Ltd, Visakhapatnam, Brain-O-Vision, Hyderabad, Maritime University Visakhapatnam, Naval Science & Technological Lab, Visakhapatnam, National Jau Tong University, China, VUDA Visakhapatnam for research and consultancy.

RESOURCE PERSONS			
 DR. SUNIL KUMAR DHAL Professor, Management Studies Dr. G. Srinivasulu, Odisha	 DR. DEBI PRASANNA ACHARYA Professor, CSE Dept. Vellore Institute of Technology, Vellore, Tamil Nadu.	 DR. AJIT KUMAR ROUT Professor & Head Dept. of IT GMRIT, Rajam	 DR. DEEPA RANJAN NAYAK Assistant Professor Dept. of IT J.N. Hegde, Rajahmundry, Andhra Pradesh.
 DR. S. LAXMI Professor, VIT Sagar VIT Sagar, Andhra Pradesh	 DR. B. PRAGNA Professor & Head Dept. of CS&SE, AUCE(A) for Women.	 DR. SANDEEP KUMAR SATYANTHY Associate Professor, District School of CS&SE, VIT University, Chennai.	 DR. SATHISHKUMAR V Professor, Head Dept. of Industrial Engineering, K. J. Somaiya Institute of Technology, Mumbai, Maharashtra, India.
Who can Attend Faculty/ Industry Persons/ Research Scholars/ PG Students Registration Registration fee: NIL Last Date Of Registration: 27/03/2022 Registration: First Come First Serve Registration link : https://myurl.com/446b34ys			
Certificate of Participation The certificate will be issued for the participants who attain 80% of attendance & 60% score on Quiz test on the final day of FDP. Platform Microsoft teams The link will be shared after confirmation through mail CONTACT Name: Mr. Abhisek Sethy Email: abhisek.s@gmr.it.edu.in Ph: +91 7893541017, 8908889975			
CHIEF PATRONS Dr. Girish J. Director Education, GMR Visakhapatnam Foundation.		PATRONS Prof. P. Srinivasa Rao Principal, AUCE(A), Visakhapatnam	
CONVENORS Dr. C. L. V. S. V. Prasad, Professor & Principal GMR Institute of Technology, Rajam.			
Dr. Aji Kumar Rout Professor & Head Dept. of IT GMR Institute of Technology, Rajam.		Dr. Kanchana Nagewara Head U/C HOD Dept. of CS&SE Visakhapatnam.	
COORDINATORS Dr. P. Kanchana Mala Associate Professor Dept. of IT GMRIT			
Dr. K. Raja Kumar Assistant Professor Dept. of CS&SE, AUCE(A)		ORGANIZING COMMITTEE Mr. Abhisek Sethy Sr. Assistant Professor Dept. of IT, GMR Institute of Technology	
Dr. S. Jhansi Devi Assistant Professor Dept. of IT, AUCE(A)		Dr. A. M. Sowjanya Assistant Professor Dept. of CS&SE, AUCE(A)	

Papers Published in Journals

1. A. Uriti, S. P. Yalla and K. R. Chintada, "An Approach of Understanding Customer Behavior with an Emphasis on Rides," 2021 Innovations in Power and Advanced Computing Technologies (i-PACT), 2021, pp. 1-5, doi: 10.1109/i-PACT52855.2021.9696837.
2. Harikrishna Marrapu, Balajee Maram, Prasadu Reddi, "New Analytic Framework Of Public Mental Health Prediction Using Data Science" IEEE International Conference on Smart Technologies and Systems for Next Generation Computing" held at IFET College of Engineering on 25th and 26th March 2022.
3. P. Pallavi, A. N. V. Sandeep, B. Amman Naidu, G. Tirupathi, D. Praharsha Reddy and Ch. Anil Kumar, "An Analysis of Sign Language Translation

- and Recognition Systems”, International Journal of Research Publication and Reviews, Vol 3, no 4, pp 1554-1558, April 2022.
4. P.Akhila , K.Sahithi , S.kasim saida , B.Rajasekhar , Y.S.Manohar and , Y.Surya Prakash, “ Wheelchair Movement through Eyeball Recognition using Raspberry Pi”, International Journal of Research Publication.
 5. S.Sai Vamsi, K.Deeksha ,S.Amruta Varshini , J.Srija, S.Jashwanth Kanna, P.Srihari and ,U.Archana, “ E-Commerce Data Analysis Using Hadoop”, International Journal of Research Publication and Reviews, Vol 3, no 4, pp 2235-2240, April 2022.
 6. M. Shyam Manikanta , J. Rushi , A. Lalitha , B. Shravan Kumar Goud , V. Suresh , T. Daniya , “Web based E-commerce system integrated with Chatbot”, International Journal of Research Publication and Reviews, Vol 3, no 4, pp 1655-1659, April 2022.
 7. G. Abhishek , P. Sushma , J. NagaDivya , K. Dhanunjaya Rao , V. Sai Madhusudan , “ AUTOMATED IMAGE PROCESSING FOR DIAGNOSING THE MALARIA SLIDES”, International Journal of Research Publication and Reviews, Vol 3, no 4, pp 2425-2429, April 2022.
- Shaik Khasim Saida is placed in 2 companies Revature with 4.0 LPA and Verzeo with 4.60 LPA.
 - Bethanapalli Rajasekhar is placed in Wipro with 3.50 LPA.
 - Sabbiseti L S S Surya Sahith is placed in Revature with 4-6 LPA.
 - Kemburu Hima Bindu placed in PayTm with 4-5 LPA.
 - Jaswanth Khanna placed in Verzeo with 4.60 LPA.
 - Jami Srija placed in Global Logic with 5.50 LPA.
 - Budumuru Navya placed in mindtree with 4.0 LPA

Training and Placement

- Bhairi Amman Naidu is placed in 2 companies Capgemini with 4-6 LPA and Infosys with 3.60 LPA.