



ABOUT US

GMR Institute of Technology 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. Located in Rajam, Vizianagaram district 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 is this emphasis on a well-rounded education that makes GMRIT a preferred institute among engineering colleges in India. It offers nine undergraduate and six Postgraduate programs . All the UG Programs are accredited by NBA under Tier-1(Phase 4) and the institution is accredited by the NAAC with A Grade(3rd Cycle). GMRIT is ranked among top 5 colleges in state of AP and among top 50 in the country level. In placements 95% of the students gets placed every year with a medium salary around 5 LPA and maximum salary of 34 LPA.

PROGRAMS OFFERED

B.TECH PROGRAMS

- Chemical Engineering
- Civil Engineering
- Computer Science and Engineering
- CSE-Artificial Intelligence and Data Science
- CSE-Artificial Intelligence and Machine Learning
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Information Technology
- Mechanical Engineering

M.TECH PROGRAMS

- CSE
- Environmental Engineering
- Power and Industrial Drives
- Thermal Engineering
- Transportation Engineering
- VLSI and Embedded Systems Design

GMR INSTITUTE OF TECHNOLOGY

An Autonomous Institute affiliated to JNTUGV

VIZIANAGARAM (DIST),532127

ANDHRA PRADESH

STUDENT EDITORS:

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2. Bhargav Ratnala
IV CSE A – 21341A0518
3. S Navachaitanya
III CSE C – 22341A05F1
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STUDENT COORDINATORS:

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IV CSE A – 21341A0520
2. Yamini Akula
IV CSE C – 21341A05J6
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Vision

To be a preferred department of learning for students and teachers alike, with a commitment towards Academics & Research, serving the students in an atmosphere of innovation, critical thinking and making them Industry ready.

Mission

M1. To provide adaptable education in a collaborative and innovative environment in skilling the graduates to solve real world problems in the field of Computer Science and Engineering.

M2. To prepare the students as critical thinking professionals with multidisciplinary research orientation and Innovation.

M3. To instil ethical values and nurture the graduates who will be able to contribute to society.

Program Educational Objectives (PEOs)

1. Employ logical and analytical skills in solving complex real-world engineering problems in the areas of computer Science and allied fields.
2. Adaptable to emerging technologies with enhanced professional skills and ability towards continuous learning, facilitating higher studies and research.
3. Demonstrate professional ethics, leadership qualities and promote inclusive and collaborative growth with human values towards societal interest.

Paper Presentations and Publications (Faculty):

- Mr. Baisakh presented the conference paper "Enhancing Sequential Access Efficiency in Data Compression: An Alpha Parameterized Extension to MFLP for Dynamic Recognition" in PDGC, 8th International IEEE Conference on 19th December 2024.
- Dr.A.V.Ramana and Mrs.A.Bhavani Presented a paper on "Optimal Routing with Machine Learning Classification in Delay Tolerant Networks" IEEE ICICNIS 2024 through an online presentation on 18-12-2024
- Dr. G. Stalin Babu presented a paper titled "AI Based eHealth Care Framework with IoT" at 2nd International Conference on Signal Processing, Communication Power and Embedded System (SCOPE-2024) 19th-21st December 2024. Organized By Centurion University of Technology and Management, Parlakhemundi, Odisha, India
- Dr. G. Stalin Babu presented a paper titled "Classification of Coffee Disease: A Systematized Approach Based on Chronicity and Transfer Learning" The 2nd ICAITPR will be held at Vardhaman College of Engineering, Hyderabad, India, from 6th to 8th December 2024.

International Conference:

- Lakshmi, Choudari, Satish Muppidi, Balajee Maram, R. Creesy, Suneetha Merugula, and Venubabu Rachapudi. "Climate Resilience Enhancement, Air Pollution Detects from Images using CNN." In 2024 Second International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI), pp. 1307-1314. IEEE, 2024.
- Dr. A Krishna Mohan, Dr. G. Stalin Babu, B.Ramesh, and S. Kalyan published a textbook with the title "Data Communications and Computer Networks", with Shree Publishing House publisher and ISBN:978-93-95250-33-7
- Chanti, Suragali, et al. "Crop yield forecasting through novel machine learning dynamic ensemble selection techniques." 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT). IEEE, 2024.

International Journal

- Ganeshan, R., Meesala Sravani, Archana Kalidindi, and P. G. Om Prakash. "ShNFN: Shepard Neuro-Fuzzy Network for Intrusion Detection in Fog Computing." International Journal of Pattern Recognition and Artificial Intelligence 38, no. 13 (2024): 2450018. [Indexed by SCIE, IF:0.9 Q3, <https://doi.org/10.1142/S0218001424500186>]
- Kanchanamala, Pendela, Grandhi Siva Sankar, and Karri Aruna Bhaskar. "Q-DenseNet for heart disease prediction in spark framework." International Journal of Ad Hoc and Ubiquitous Computing 47, no. 3 (2024): 127-142. [Indexed by SCIE, IF:0.7 Q3, <https://doi.org/10.1504/IJAHUC.2024.142164>]
- Meesala Sravani, B Kiran Kumar, M Rekha Sundari, D Tejaswi. FMHADP: Design of an Efficient Pre-Forensic Layer for Mitigating Hybrid Attacks via Deep Learning Pattern Analysis [J]. Journal of Harbin Institute of Technology (New Series), 2024, 31(5): 55-67 [Indexed by SCOPUS, <https://lib.cqvip.com/Qikan/Article/Detail?id=7113230079>]
- L. R. Kalabarige, A. Venkata Ramana, R. S. Rao and M. Raviraja Holla, "Boosting Pineapple Maturity Classification: Impact of Data Augmentation and Visual Transformer Integration With Transfer Learning," in IEEE Access, vol. 12, pp. 193263-193283, 2024, doi: 10.1109/ACCESS.2024.3519753

Faculty Achievements:

- **Dr. S. Akila Agnes, Completed the NPTEL "Deep Learning" Course (IIT Ropar, Oct 2024) with 77%, ranked in the top 2%.**



- 5 faculty completed the NPTEL “Introduction to Internet of Things” course through NPTEL from Jul-oct 2024
- Ms. Y. Nagamani completed the NPTEL on “Computer Vision” Course through NPTEL from Jul-oct 2024
- Dr. G.Stalin Babu completed the NPTEL on “Cloud Computing” Course through NPTEL from Jul-oct 2024
- Mrs. CH. Aruna Kumari has received a reward & Recognition award as part of the 'Star of the Month' for November 2024.



Paper Presentations and Publications (Students):

- K. Sreya, M. Rajalakshmi, K. Nireesha, K. Pavan Kumar, and A. Bhavani Presented a paper on “Review on energy consumption in Delay Tolerant Network (DTN)” IEEE ICICNIS 2024 through an online presentation on 18-12-2024.
- K. Shiva Kumar presented the paper “Explainable AI-Driven Models for Predicting Compressive Strength in Concrete” at the 6th IPDIMS held on 4th and 5th December 2024, organized by NIT Rourkela.
- S. Sai Sri and P. Bala Yakshitha presented a paper on “A Medical Visual Question Answering using Deep Learning” at the 6th IPDIMS held on 4th and 5th December 2024, organized by NIT Rourkela.

Institute Related:

Student Highlights:

- 2nd year Ms. S. Navya won our college's stepcone poster design contest.
- 3 students completed the NPTEL on “Cloud Computing” Course through NPTEL from Jul-oct 2024
- M.Gagan Adithya completed the NPTEL on “Computer

Vision” Course through NPTEL from Jul-oct 2024

- 30 students completed the NPTEL on “Data Structure and Algorithms using Java” Course through NPTEL from Jul-oct 2024
- 2 students completed the NPTEL on “Ethical hacking” Course through NPTEL from Jul-oct 2024
- 4 students completed the NPTEL on “The Joy of Computing using Python” Course through NPTEL from Jul-oct 2024
- S Navachaitanya (Team Lead), P Dharani, S Sai Baba, T Naveena, U Krishna Chaitanya, and Team Mentor: Mr. Gangu Dharmaraju selected for the SIH Grand Finale – 2024 on Problem Statement Number 1642 (A comprehensive AYUSH Startup Registration Portal to streamline the registration process for startups in the AYUSH sector, enhancing efficiency, transparency, and accessibility) which is given by the Organization Ministry of AYUSH, India and we were attended to SIH Grand Finale – 2024 on the above problem statement which is held on 11th and 12th December 2024 at IIT-Tirupathi, Andhra Pradesh.



Students Achievements:

- V.Siva Teja Varshit of II-Year CSE and his team were selected for the SIH Grand Finale – 2024 on Problem Statement Number 1699 (Lets learn Constitution in a simpler Manner- Institution Perspective) which was given by the Organization Ministry of AYUSH, India and he was attended to **SIH Grand Finale – 2024** on the above problem statement which is held on **11th and 12th December 2024 at VTU-BELGAM, Karnataka** and **won the first Prize and received 1 Lakh Cash Prize.**



Workshops/Conference conducted (Faculty):

Seminars/Workshops Conducted (Students):

- ACM Students chapter conducted event name "Code and Conquer" on November 6, 2024 with no of participants 102, venue is Coding and Deep learning lab. Winners Senior Category : Mr Govardhan (3rd CSE-C) and Junior Category: Ms Sohine (2nd CSE), Ms Sameera(2nd CSE) and Mr Anil (2nd IT).



- ISTE student chapter have conducted an overnight event "codeathon 2.0" on 16th Nov 2024, with 160 participants in DA Lab and CA Lab.

Alumni:

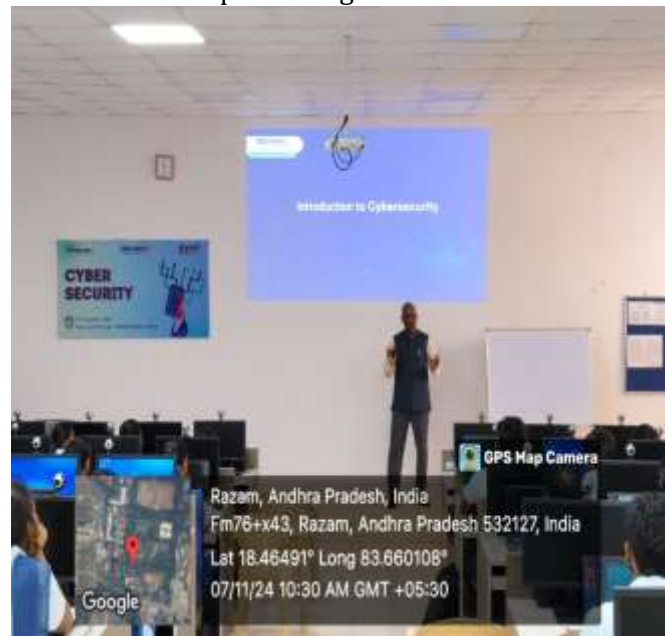
Workshops/Conference Attended (Faculty):

- 5 faculty completed FDP on "Introduction to Internet of Things" through NPTEL from Jul-oct 2024.
- Dr. S. Akila Agnes, Completed FDP on "Deep Learning" Course through NPTEL from Jul-oct 2024.
- Ms. Y. Nagamani completed FDP on the "Computer Vision" Course through NPTEL from Jul-oct 2024
- 5 faculty attended a 10-day NEP program conducted by CIT, Coimbatore from 11th to 19th Nov 2024
- Dr.G.Stalin Babu participated in ATAL Academy FDP on The Revolution of Large Language Models(LLMs) in Artificial Intelligence at VIDYA JYOTHI INSTITUTE OF TECHNOLOGY from 18/11/2024 to 23/11/2024.
- Dr. A.V. Ramana visited Dhrishya AI and insperedge companies at Vizianagaram and Rushukonda on 12th Nov 2024
- Mrs. A.Bhavani Participated in the 5-Day Faculty Development Program on Cloud Architect ExcelR Edtech Pvt. Ltd. from 18th Nov to 22nd Nov 2024.
- Mr. Baisakh attended the one-week workshop on IoT in Emerging Tech: Opportunity and Application organized by the School of Computer Science & Engineering, XIM University, Bhubaneswar from 16th Dec to 20th Dec 2024.
- Mr. Baisakh presented a technical talk on " AI in Agriculture" as a speaker for the mini Symposium on " Innovation in Data Science: Shaping A Better Future ", organized by Sri Innovation and Research Foundation, Ghaziabad on 22nd December 2024.



- ISTE student chapter conducted an event “tech Bidders” on 7th Nov 2024, with 107 participants in Seminar hall.
- Coding club conducted an event “C Quiz BuZZ” with 52 participants in the seminar hall on 6th Nov 2024

- 36 students attended the 2-day “cyber security” workshop conducted by GMR INNOVEX on 7th and 8th Nov 2024 in Deep Learning Lab.



- 3 students attended the 2-day “Drone Technology” workshop conducted by GMR INNOVEX on 7th and 8th Nov 2024 in ECE Seminar hall.
- Mr K. Lokeswara Rao and Mr. J. Vivek participated in the International Polkadot Hackathon in Bangkok, Thailand on 16th Nov 2024

Seminars/Workshops Attended (Students):

- 3 students attended the Autonomous EV Technologies workshop on 01st Nov 2024 in CDC Seminar hall.
- 43 students attended the 2-day “generative AI” workshop conducted by GMR INNOVEX on 7th and 8th Nov 2024 in Coding Lab



Visitors / Guest Lectures:

Training and Placement:

❖ Placements:

- Efftronics campus drive: Three members got selected and offer letters realised with 5.3LPA for following students
 1. I Lakshmi Jyotsna(559)
 2. Bhargav Ratnala(518)
 3. M Gagna Aditya(5A9)



- Vaarus Technologies : FSI selection held on 23rd Nov 2024, 9 members selected for 4 months Inteship with stipend.
- Cognizant Campus Drive -23rd Nov 2024 attend for Final Interview at GVP -Vizag 27 Members for 4LPA and 4 Member attended at CBIT, Hyd for 6.5LPA on 30th Nov 2024.
- Darwinbox Campus drive Ms. K. Promodhini selected with CTC16 LPA



- Nissum Campus Drive - 7 students got shrotlisted in round -1 and going to attend personal interviewat Nissum, Hyd office on 7th Dec 2024
- Megna Quest Campus Drive: held on 28th & 29th Nov, 146 members attended from CSE, 24 students got shortlisted for Round-2 and waiting for Round -2 results.
- Medha Servo Campus drive : Round -1 test conducted on 11th Nov 2024, waiting ofr Results
- Oracle Campus drive held on 9th Dec 2024 and Final

Interview on 13th Dec - CSE-1 student selected with 10.56LPA



- INFOSYS Campus drive held on 19th & 20th Dec, CSE-54 students got selected with package of 3.6LPA



- COGNIZANT- CSE-20 selected with Package of 4LPA



- Nissum Technologies Campus Drive - CSE -3 students got selected with 4LPA
- Megana Quest : 5 Students from CSE GOT selected with 4LPA.
- Deloitte – CSE-1 Selected for Cyber Security Boot camp and LOI given with 4LPA
- Zeesta Campus drive held on 13th Dec 2024 waiting for results
- Modak Analytics campus drive held on 26th Dec 2024, CSE- 27 shortlisted for Final interviews.
- mThree Pre Placement talk held on 13th Dec 2024, and Registration started.