



## 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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## **STUDENT COORDINATORS:**

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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):

- Dr. P. AnnanNaidu published a paper titled "Enhancing Crop Productivity with Advanced Sensor-Driven Irrigation Systems," Journal of Environmental Protection and Ecology, Vol 25, No 8, Dec-2024.
- Dr. P. AnnanNaidu Presented a paper titled "GAN and Data Augmentation-based Image Generation" at the 6th International Conference on Innovative Product Design and Intelligent Manufacturing Systems (ICIPDIMS 2024) on 4th & 5th December 2024, organized by the Department of Computer Science and Engineering, AITAM, in collaboration with NIT, Rourkela.
- Joseph Charles Tamilmaran, D., Ajin Varghese, Appadurai Arun Solomon, and Sundaresan Akila Agnes. "Unveiling the Cinematic Odyssey: Netflix User Experiences, with a Spotlight on Generation Z in India." In Harnessing AI, Machine Learning, and IoT for Intelligent Business: Volume 1, pp. 631-640. Cham: Springer Nature Switzerland, 2024.
- **Patent:** Dr.P.AnnanNaidu, Patent Title: Deep Learning Techniques for Predicting Student Graduation in Higher Education Based on Academic Performance The Patent Office Journal No. 03/2025 Dated 17/01/2025.
- Dr. P. N. Singh presented a paper "Voice command Fingerprinting: An in-depth examination of challenges and Issues during the 3<sup>rd</sup> IEEE ICIDeA 2025 organized by KIIT Bhubaneswar Orissa from 21<sup>st</sup> to 22<sup>nd</sup> February 2025.

## International Conference:

- A. Bhavani, A. V. Ramana and A. S. N. Chakravarthy, "Optimal Routing with Machine Learning Classification in Delay Tolerant Networks," 2024 International Conference on IoT-Based Control Networks and Intelligent Systems (ICICNIS), Bengaluru, India, 2024, pp. 1431-1436, doi: 10.1109/ICICNIS64247.2024.10823169.

## International Journal

- Kanchanamala, Pendela, Vijayakumar Kuppusamy, and Gunasekaran Ganesan. "QDCNN-DMN: A hybrid deep learning approach for brain tumor classification using MRI images." Biomedical Signal Processing and Control 101 (2025): 107199. ,ISSN: 1746-8108, SCIE, Q1, <https://doi.org/10.1016/j.bspc.2024.107199>
- Joseph Charles Tamilmaran, D., Ajin Varghese, Appadurai Arun Solomon, and Sundaresan Akila Agnes. "Unveiling the Cinematic Odyssey: Netflix User

Experiences, with a Spotlight on Generation Z in India." In Harnessing AI, Machine Learning, and IoT for Intelligent Business: Volume 1, pp. 631-640. Cham: Springer Nature Switzerland, 2024.

- Anuradha, G., Satish Muppidi, Ramesh Karnati, and K. Phalguna Rao. "Rainfall prediction using time series data based on RSJSO\_BiLSTM." International Journal of Machine Learning and Cybernetics (2025): 1-20. SCIE, Q2, <https://doi.org/10.1007/s13042-024-02488-7>
- Ananth, J. P., Pankaj Kumar, M. Belsam Jeba Ananth, and R. Cristin. "Effective Charging Scheduling of Electric Vehicles Using a Hybrid Deep Learning Network." Energy Storage 7, no. 1 (2025): e70120. SCIE, Q3, <https://doi.org/10.1002/est2.70120>
- Kanchanamala, Pendela, Ramesh Karnati, and Ravi Kumar Tammineni. "Brain tumor classification from MRI images using exponential-Walrus hunting optimization driven SqueezeNet." Expert Systems with Applications (2025): 126633. SCIE, Q1, <https://doi.org/10.1016/j.eswa.2025.126633>

## Faculty Achievements:

- Dr. P. AnnanNaidu, Program Committee member and reviewer in the 5th International Conference on Paradigms of Communication, Computing and Data Analytics (PCCDA 2025), Jan-18-19, 2025, organized by Pt. Lalit Mohan Sharma Campus, Rishikesh, Sri Dev Suman Uttarakhand University, Uttarakhand, India.
- Dr. P. AnnanNaidu, Reviewer in the 2nd International Conference on Signal Processing, Communication, Power, and Embedded Systems (SCOPEs), organized by the Department of Electronics & Communication Engineering, School of Engineering & Technology, Centurion University of Technology and Management, Paralakhemundi, Odisha, during December 19-21, 2024.
- Dr. G. Stalin Babu, acted as Editorial Board member for Journal of Multimedia Signal Processing.
- Dr. P. N. Singh was nominated as a member of the independent expert committee for evaluating the solutions/Courses under NEAT 4.0 AICTE, Govt. of India.
- Dr. A. V. Ramana received a "Certificate of Appreciation" for his instrumental role as SPOC of the SWAYAM-NPTEL Local Chapter from SWAYAM- NPTEL





## Student Achievements:

### Alumni:

### Workshops/Conference Attended (Faculty):

- Dr. A.V. Ramana attended the “AP Digital Technologies Summit” in Visakhapatnam at 8th Jan 2025.



### Paper Presentations and Publications (Students):

- 13 students participated in the paper presentation event in STEP CONE 2025 on 27th Feb 2025.



- K. Sreya, M. RajyaLaxmi, K. Nireesha, K. P. Kumar and A. Bhavani, "Review on Energy Consumption in Delay Tolerant Network (DTN)," 2024 International Conference on IoT-Based Control Networks and Intelligent Systems (ICICNIS), Bengaluru, India, 2024, pp. 656-663, doi: 10.1109/ICICNIS64247.2024.10823141.

- Dr. A.V. Ramana participated “Systems Engineering Summit 2025”, organized in collaboration with SRM University AP, INCOSE India, IEEE Systems Council, CII Andhra Pradesh, and Efftronics Systems Pvt. Ltd., on January 23 and 24, 2025, at SRM University Andhra Pradesh.
- Mrs A Vineela participated in a webinar on " Approaches for Operationalization of AI Models" on January 25, 2025.
- Mr. D. Ganesh attended a five-day Faculty Development Program (FDP) on 'Strong Foundation in Data Science: Principles and Techniques' from January 11-15, 2025, organized by the School of Computer Science & Artificial Intelligence, SR University, Warangal.
- Ms. Santhoshini Sahu and Mrs. G. Dharma Raju attending Global Certification on ServiceNow along with 30 students of CSE and it was started from 27th Jan 2025 and it will continue till May 2025.

### Institute Related:

### Student Highlights:

- Infosys CSE-8 Shortlisted for 9.5LPA and CSE-4 Shortlisted for 6.5LPA



- Dr. P. N. Singh attended as a resource person for “Data Science and Python” and “UHV and NEP 2020- how to implement “on 3rd and 4th Feb to GIST, Rayagada, Odisha.
- Dr. M. Satish delivered the Online Lecture “Citation Analysis using Machine Learning” in the FDP conducted by SR University, Warangal, held on 23rd Feb 2025 from 7:00 PM to 8:00 PM
- Mrs. A. Vineela attended the webinar on “Database Index Advisors on Quantum Platforms” on 8th Feb 2025.
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### Workshops/Conferences Conducted (Faculty):

### Seminars/Workshops Conducted (Students):

- ACMW Students chapter conducted event name " BB Challenge" on 07-01-2025 with 80 participants at coding lab winner for this event is J Dinesh (2nd CSE-B) and runner for this event is Y Abdul Yunus (CSE - A).



- ISTE conducted an event titled "Visionary Voices" on 8 January 2025 from 3:30 to 5:00 p.m. in Seminar Hall Block-5, with 31 participants.



- The ACMW Students chapter conducted an event called " SIG on Competitive Programming " from 11 February 2025 to 14 February 2025, with Day1-52, Day2-51, Day3-43, and Day4-27 participants at the coding lab. Akram and Bhargav from the department of CSE handled the event.





- ISTE have conducted an event “Code Rewind” with 100+ participants on 6th Feb 2025 at CA Lab Block-5.



- CSE conducts the following events during STEPCONE 2025 on 27th- 28th FEB 2025
- ❖ In the Hackhub (Flagship) event, there were 240 participants. The winners were K. Rahul, P. Vijay, and E. Shanmukh from NSRIT. The runners-up included two teams: J. Adithya, K. Sandeep, K. Neeraj, and S. Sharma from GMRIT, and T. Bhaskar, V. Ram Kishore, N. Yamini, and B. Mounika from MVGR.



- ❖ For the Code Refactor event, there were 46 participants. The senior winner was N. Venugopal from Lendi, and the junior winner was B. NavaDeep from ANITS, along with M. Akanksha from GMRIT. The senior runners-up were S. Sadik and S. Naveen Sai Kumar from GMRIT.



- ❖ In the Data Craze event, there are 131 participants. The Senior winners are J PRADEEP, B R M VAMSI, M PRAVEEN, and P RAHUL from GMRIT. And the Junior winners are P SANJANA, V KEERTHANA, U SAHITHI, and V SRUJANA from GMRIT.



- ❖ In the TechnoHunt event, there were 63 participants. The winners were D. Prudhvi, A. Mallikharjuna, and K. Prakash, while the runners-up were M. Vijay, L. Rajesh, and V. Teja Varshith.



- ❖ For the Level UP event, there were 188 participants. In the Freefire category, the winners were I. Dhanush, P. Kiran Kumar, B. Jagadeesh, and I. Bharadwaj were the winners in the BGMI category: Santhosh Kumar, Shankar Rao, Rahul Chandra, and Bhargav Naidu. The runners-up were Purnesh, Sameer, Sanjay, and Chanti.



- ❖ In the Trade Masters event, with 69 participants, the

winner was M. Syam Krishna Reddy, and the runner-up was G. Manvitha.



- ❖ For the Reel Studio event, which had 31 participants, the winners were P. John Hyde and R. Mohan Sai, while the runners-up were V. Santosh, Y. Shreyash, and B. Krishna Chaitanya.



- ❖ The Drone Workshop, PowerBI Workshop, and LLM Workshop had 87 participants, 79 participants, and 85 participants, respectively.







- Guest Lecture conducted on “Career Development”, delivered by Mr. G. Srikanth, Senior Staff Engineer in Google, from 31st Jan and 1st Feb 2025.



- Guest Lecture conducted on “Process of Innovation Development, Technology Readiness Level(TRL), Commercialization of Lab Technologies and Tech Transfer” delivered by Professor Deepika Gupta, IIM Visakhapatnam, on 11th Feb 2025.



- Guest Lecture conducted on “Mastering in React JS and Solid Principles- Build Dynamic and Scalable Web apps” delivered by Mr. Kannababu Banna, Satya technologies, Hyderabad on 13th Feb 2025.

## Seminars/Workshops Attended (Students):

- 4 CSE students attended a workshop on Navigating with UAV's: Technology and Trends for TiHAN Foundation-IIT, Hyderabad from 27th to 31st January 2025.



## Visitors / Guest Lectures:

- Guest Lecture conducted on “Internet of Things”, delivered by Mrs. Vasanta, Vice President, Capgemini, from 31st Jan and 1st Feb 2025.



## Training and Placement:

### ❖ Placements:

#### Placement Selections:

- GMR Group Campus drive was held on 29th Jan 2024, and K Sravani was selected with 5.5 LPA
- LTI MindTree: Campus Drive Held interviews on 27th Jan and 11 students got selected with 4.53LPA
- Modak Analytics Campus Drive Held interviews on 26th Dec 2024 and 13 students got selected with 4LP

#### Placement Drives:

- AON Campus drive held on 20th Jan Round -1 completed and 5 students shortlisted for Round -2
- DelTax – Phase -2 campus drive held on 17th Jan 2025 – 9 got shortlisted for Round -2
- Ascendion Campus drive held on 7th Jan 2025- 13 got shortlisted for Round -2
- HCL CSE-33 round-1 cleared