



DEPARTMENT OF CSE

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

Paper Presentations and Publications (Faculty):

- Dr. M. Satish has presented a Paper titled "Fostering Sustainable Agriculture: Harnessing Machine Learning Techniques for Enhanced Crop Yield Prediction" at AI-PTIS 2024 which was organized by GMRIT, Rajam during 5th – 6th July 2024.
- Dr. Paras Nath Singh has presented a Paper titled "Refining Lazy Learners of Machine Learning Algorithms Facing Concept Drift" at IEEE ETNCC-2024 which was organized by NUST, Namibia on 25th July 2024.
- Dr. Paras Nath Singh and Dr. AV Ramana has presented a Paper titled "Analyzing Efficiency and Accuracy of NLP Tasks by BART transformer" at Springer Journal Conference IDBA-2024 which was organized by Symbiosis University, Indore on 12th July 2024.

International Conference:

- Yanda, N., Tagore Babu, J., Aswin Kumar, K., Taraka Rama Rao, M., Ranjith Varma, K.V., Rahul Babu, N. (2024). Image Understanding Through Visual Question Answering: A Review from Past Research. In: Abraham, A., Bajaj, A., Hanne, T., Siarry, P., Ma, K. (eds) Intelligent Systems Design and Applications. ISDA 2023. Lecture Notes in Networks and Systems, vol 1050. Springer, Cham. https://doi.org/10.1007/978-3-031-64847-2_31
- S. Akila Agnes., Pedada, B., Sambangi, R., Dasari, M., Penugonda, V.P., Pati, S.R. (2024). Enhancing Remote Sensing Scene Classification with Channel-Spatial CNN (CS-CNN). In: Abraham, A., Bajaj, A., Hanne, T., Hong, TP. (eds) Intelligent Systems Design and Applications. ISDA 2023. Lecture Notes in Networks and Systems, vol 1047. Springer, Cham. https://doi.org/10.1007/978-3-031-64836-6_30
- Choudhary, Ashutosh Kumar, Iram Nausheen, Nariman Khan, Brijendra Krishna Singh, and Suniti Purbey. "The design of an efficient bioinspired CNN model for automated malaria detection in blood smear images." In AIP Conference Proceedings, vol. 3111, no. 1.

AIP Publishing, 2024.

- Kishore, A. Ravi, Suniti Purbey, Ashutosh Kumar Choudhary, and Brijendra Krishna Singh. "Design of an efficient VARMA model to leverage in-memory computing for faster big data analytics." In AIP Conference Proceedings, vol. 3111, no. 1. AIP Publishing, 2024.

International Journal

- Kalabarige, Lakshmana Rao, D. Krishna, Upendra Kumar Potnuru, Manohar Mishra, Salman S. Alharthi, and Ravindranadh Koutavarapu. "Tree-Based Machine Learning and Nelder–Mead Optimization for Optimized Cr (VI) Removal with Indian Gooseberry Seed Powder." Water, Vol. 16, no. 15 (2024): 2175. [Indexed by SCIE, IF:3 Q1, <https://doi.org/10.3390/w16152175>]
- Rao, Routhu Srinivasa, Lakshmana Rao Kalabarige, M. Raviraja Holla, and Aditya Kumar Sahu. "Multimodal Imputation based Multimodal autoencoder framework for AQI classification and prediction of Indian cities." IEEE Access (2024). [Indexed by SCIE, IF:3.4 Q1, <https://doi.org/10.1109/ACCESS.2024.3438573>]

Faculty Achievements:

- Dr. A. V. Ramana, HoD, CSE has successfully installed weather station, sensors, and IoT gateway at the adopted village in Seethamapeta ITDA.
- Dr. P. Annan Naidu have received certificate for Design Patent for "AI based firefighting drone" on 30-07-2024.
- Dr. P. Annan Naidu have contributed as Editor for IIP Book series titled "Futuristic Trends in Artificial Intelligence" Volume 3 Book 4 published by Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.
- Dr. P N Singh was reviewer of IEEE- Sponsored 2024 International Conference on Emerging Trends in Networks and Computer Communications (ETNCC).
- Dr. M. Satish have acted as Session Chair for the International Conference on AI Powered Technology Integration for Sustainability (AI-PTIS 2024) which was organized by GMRIT, Rajam during 5th – 6th July 2024.
- Dr. Paras Nath Singh and Dr. Attada Venkataramana has successfully filed Indian Patent titled "A System and Method Thereof

for Executing Operating System Commands Using Manual Speech Instructions” 29th July 2024.

- Dr. Paras Nath Singh and Dr. Kotagiri Srividya has successfully filed Indian Patent titled **“Method and System for flipping and scrolling the computer pages by eye blink, and eyelid movement respectively by disadvantaged “Divyang” persons”** 29th July 2024.
- Mr. M. Raghu Varma Raju have received reward & Recognition award as part of the 'Star of the Month' Initiative by HR Team on 31st July 2024



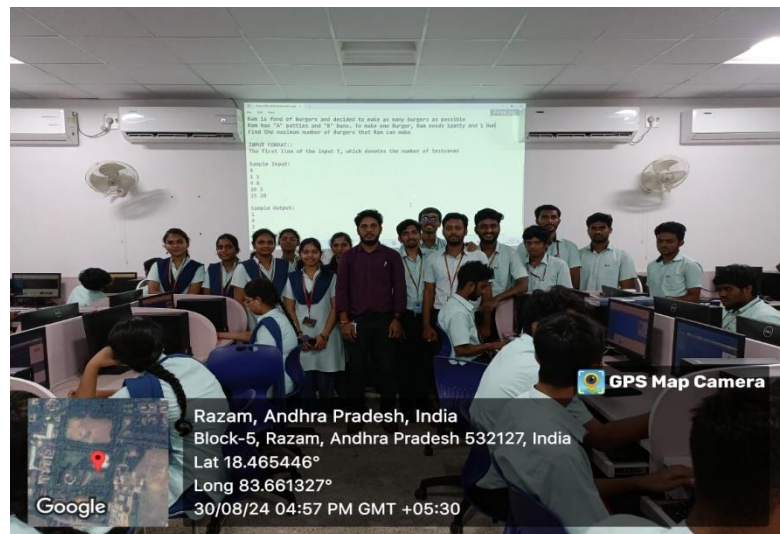
- ACM Chapter body has conducted an event “mind maze” with 83 students participated in CSE seminar hall on 21st august 2024 from 3:00PM to 5:00PM.
- ISTE has conducted an event "LOGO LOBBY" in CSE Seminar Hall with 76 participants on 29-08-2024.
- ISTE has conducted an event "TALENTIA 2.0" in CSE Seminar Hall with 80 participants on 31-08-2024 .
- CSI has conducted an event “Competitive programming” in DA Lab with 121 participants on 30-08-2024 from 3:00 pm – 5:00 pm

Paper Presentations and Publications (Students):

Institute Related:

Student Highlights:

- ACMW Students Chapter has conducted a Non-Technical event "CINEBUZZ" with participation count of CSE- 59, AIML-29 AIDS-7 and IT-60 with a total of 157 members at Deep learning lab and Coding lab on 29th august 2024.



Students Achievements:

- 13 final year students are selected in TCS NQT.

Alumni:

Alumni interaction with second-year students

Mr. K. Santhosh Kumar (2011-2015 Batch), Tech lead, Wipro, addressed second-year students on 09th August 2024.



- Mr. S.Chanti has participated in the FDP on “Quantum Computing & Communication” organized by E&ICT Academy, IIT Roorkee from 5th Aug 2024 to 9th Aug 2024.
- Dr. P. N. Singh has presented a seminar on “Refining Lazy Learners of Machine Learning Algorithms Facing Concept Drift” in Deep Learning Lab on 24-08-2024.

Workshops/Conference conducted (Faculty):

Seminars/Workshops conducted (Students):

- ISTE has conducted a 5-day workshop "CREATIVE MASTERY WORKSHOPS" in DA Lab with 100 participants from 19-08-2024 to 24-08-2024.



Workshops/Conference Attended (Faculty):

- 9 Faculty from CSE have attended 5-day Faculty Development Programme titled “**Quality enhancement in Deliverables, Question paper setting and Assessment (QDQA)**” from July 22nd to 27th 2024.
- Dr. P. Annan Naidu have attended one week FDP on '**AI for Future Workforce (in Collaboration with Intel)**' scheduled from 22/07/2024 to 26/07/2024, conducted in online mode by NITTTTR, CHANDIGARH.
- Dr. K Lakshmanroa attended a five-day online faculty development program on “**Role of Optimization in Machine Learning**” from 22-07-2024 to 26-07-2024 organized by department of Center for AI and Deep Learning, SR University, Warangal.
- Mr. G. Dharmaraju has participated in the FDP on “Quantum Computing & Communication” organized by E&ICT Academy, IIT Roorkee from 5th Aug 2024 to 9th Aug 2024.

Visitors / Guest Lectures:

- Guest Lecture conducted on " Campus Recruitments and Industry Needs" , delivered by Mr. Surajee Vupparapalli, Senior Consultant & Transformation Manager, TCS organized by CDC on 31st Aug 2024



Training and Placement:

❖ Placements:

- Accenture Campus Drive tentatively confirmed in the month of August, Registration started.
- DeltaX Campus Drive Confirmed and planning drive after 15th August 2024.
- Afformaed Campus drive Round -2 online Test held on 15th Aug 2024, total 45 students are taken test
- The following is the placement update for the month of July 2024

TCS-CODEVITA			
JNTU NO	Name	Role	Package
20341A0580	Kallepalli Adilakshmi	Prime	9 LPA
20341A0509	Allada Sarvan	Digital	7 LPA
20341A05A2	Korada Charan	Digital	7 LPA
20341A0534	Bugatha Sai Lakshman	Digital	7 LPA
20341A05G0	Sandrani Jyothi Lavanya	Digital	7 LPA
21345A0509	Leela Prasad Bantu	Digital	7 LPA
20341A0587	Kanumula Rupanjali	Digital	7 LPA
20341A05F4	REDDY SAI LAKSHMI	Digital	7 LPA
20341A0577	Jonnalagadda Suresh Kumar	Digital	7 LPA
20341A05I9	Veturi Deepika	Digital	7 LPA
21345A0510	KRISHNA PAKKURTHI	Digital	7 LPA
20341a05I2	V.Sai Surya Teja	Digital	7 LPA
20341A0504	Akiena Tarun	Ninja	3.36 LPA