About GMRIT

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 a 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 by National Board of accreditation (NBA) of AICTE and NAAC – ‘A’ grade of UGC. The institute is also having ISO 9001:2008 Quality Systems.

GMRIT offers 4 year B.Tech. programs in eight core disciplines, 2 year M.Tech programs in six specializations.

The annual intake of the institute is 966 students. It has Twenty batches of successful B.Tech. Graduates taking up positions as competent and responsible professionals in many reputed companies. Courses

Courses Currently Offered

U.G. Courses:
- Chemical Engineering
- Civil Engineering
- Computer Science and Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Information Technology
- Mechanical Engineering
- Power Engineering

P.G. Courses
- M.Tech (Power & Industrial Drives)
- M.Tech (Transportation Engineering)
- M.Tech (Cyber Security )
- M.Tech (Thermal)
- M.Tech (VLSI Design): Second Shift
- M.Tech (Environmental)

Achievements

- **NIRF,MHRD**: Ranked in the band of 201 – 250, June 2020.
- **Education World**: Ranked 2nd in AP and 37th in India’s among the Top 100 Private Engineering Institutes across the Country, April 2020.
- **Times**: Ranked 11th in AP and 118th in India’s among the TOP 155 Engineering Institutes across the Country, July 2020.
- **GHRDC-CSR**: Ranked 1st in AP and 16th in India’s among Top Out Standing Engg. Colleges of Excellence, August 2020.
- **ARIIA**: Ranked in band ‘C’ institution (rank between 51-75) in category of Private or Self-Financed College/Institutes, August 2020.
- **Digital Learning**: Ranked 1st in AP and 19th in India’s among the Top Engineering Institutes, October, 2020.
- **Outlook – Icare**: Ranked 2nd in AP and 83rd in India’s among the Top Engg.colleges, October 2020.
Institute Related

- Continuing with Online Classes for all the students pertaining to 3rd, 5th and 7th semesters and the teachers continued to work from Home. The classes are handled through Microsoft Teams.
- Initiated online certification course on “Fundamentals of Artificial Intelligence” for the students of EEE and Chemical Engineering (139 students) – An initiative from GMRIT AI Team.
- Organised an interactive session with Dr. R. P. Saini, Professor, HRED, IIT Roorkee, the one among the top 25 scientists across the world on January 11, 2021.
- Dr. B. Santhoskumar, Asst. Prof delivered a Webinar delivered on “Block Chain Technology-An overview” on 05th January 2021, Organised by Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai.
- Dr. B. Santhoskumar, Asst. Prof delivered a Guest Lecture on the topic “Applications of Blockchain in Industries & Smart Environments and Future & Security discussions on Blockchain-based IoT (BioT) applications” on 07th January 2021, in the AICTE Sponsored Short-Term Training Programme Series-II on "Internet of Things (IoT) with Blockchain-Applications and Challenges" (04.01.2021 to 09.01.2021) organized by Velalar College of Engineering and Technology, Thindal, Erode.
- Dr. B. Santhoskumar, Asst. Prof delivered a Guest Lecture on the topic "Data Pre-Processing and Data Visualization using Google-Colab" on 15th January 2021, in the AICTE Sponsored Short-Term Training Programme Series-II on "Recent Trends and Challenges in Data Science" (18.01.2021 to 23.01.2021) organized by Hindusthan College of Arts & Science, Coimbatore.
- Dr. B. Santhoskumar, Asst. Prof delivered a Webinar on “Blockchain based Internet of Things for Mechanical Engineers” on 27th January 2021, Organised by KPR Institute of Engineering & Technology, Coimbatore.
- Dr V Prasad attended a 3 Day Online Workshop Faculty Enablement Program 2021 organized by Infosys from 22nd to 24th Feb, 2021.
- Dr. T. Prabhakar attend Guest lecture on 24-02-2021 at Avanthi’s St. Thersa Engineering College, Garividi.
- Organised the following interactive sessions with the top 2% scientist in the world (Ranked by Stanford University) Dr. Rajesh Gupta, Professor, MNNIT Allahabad, February 24, 2021 and Dr. Sachin Jain, Associate Professor, NIT Raipur, February 28, 2021.
- Organised a one-day workshop on “Machine Learning using Python” for the members of faculty across all the departments on February 20, 2021.

Academic Achievements

Technical Paper Publication in Conferences

- M. Premkumar, R. Sowmya, P. Jangir, J. S. V. Siva Kumar, presented a paper titled "A New and Reliable Objective Functions for Extracting the Unknown Parameters of Solar Photovoltaic Cell Using Political Optimizer Algorithm”, International Conference on Data Analytics for Business and Industry: Way Towards a Sustainable Economy (ICDABI), University of Bahrain, Bahrain, 10 october 2020. (Indexed in: Scopus)
- Sharma, Priyansha, Rudranarayan Senapati, Sthitaprajna Mishra, Rajendra Narayan Senapati., presented a paper titled “Efficacy of Sliding Mode Controller (SMC) over DC-DC Full Bridge Isolated Converter (FBIC)”, 2020 2nd IEEE International Conference on Innovative Mechanisms for


- Dr. M.Suneetha has presenting a paper at the International Conference on Artificial Intelligence nad Smart Systems (ICAISS 2021) enter “Study of Block Chain Technology in Empowering the SME’S” organized by JCT College of Engineering and Technology, Coimbatore on 25-27th, March 2021.


- Dr.B.Santhoskumar, Asst.Prof delivered a guest lecture on “Emerging Problems on Machine Learning” (FN) & Hands-on session on “Data Analysis using Jupyter Notebook” (AN), in the Six Days AICTE sponsored online Short-Term Training Programme on “Explainable Artificial Intelligence and Machine Learning Problems using Python and Tensor Flow”, held on 28th October 2020, at Sreenivasa Institute of Technology and Management Studies (SITAMS), Chittoor.


- Dr.B.Santhoskumar, Asst.Prof delivered a guest lecture on "Blockchain Technology-Applications", in the Two Weeks AICTE sponsored Faculty Development Programme on "Blockchain Technology and its Application", held on 16th November 2020, at Sree Sakti Institute of Engineering & Technology, Coimbatore.

- Dr.B.Santhoskumar, Asst.Prof , Received “Edge India Times Award” for Excellence in Research by Edge India Publication Private Limited on 15th November 2020.


**Published in Journals**

- Sumati Kumari Panda, C Ravichandran and Bipan Hazarika, published a paper on “Results on system of Atangana–Baleanu fractional order Willis aneurysm and nonlinear singularly perturbed boundary value problems”, Chaos, Solitons & Fractals, Volume 142, Article Id.110390,January 2021, (Indexed in: Scopus and SCIE), (ISSN: 0960-0779) (Impact Factor: 3.7).


- R. Gokulan*, A. Vijayakumar, V. Rajesh Kumar and S. Praveen, published a paper on “Synthesis of biochar from

T. Bhagavathi Pushpa, Praveen Saravanan, & R Gokulan 2021 published a paper on “Continuous sorption of methylene blue dye from aqueous solution using effective microorganisms-based water hyacinth waste compost in a packed column” Biomass Conversion and Biorefinery, doi.org/10.1007/s13399-020-01208-9(SCI)


https://doi.org/10.1016/j.cscm.2021.e00506. (SCI)


Santhosh Kumar, B., Karthik, S. & Cristin, R. published a paper on “Certain Investigations on Privacy-Preserving Data Mining Using Three-Dimensional Spin Revolution
Workshops/Conference Attended


- Vamsi, K., Rajendra Babu, K. and J.P. Giri, attended a workshop on “A Study on Behavior of Pedestrians to Improve the Riding Quality and Comfortability Through Metro Rail System: A Review”, International Conference on Smart Technologies for Energy, Environment & Sustainable Development (ICSTEESD-20), Department of Mechanical, Electrical & Civil Engineering, G H Raisoni College of Engineering, Nagpur, India.

- Ms. Vasudha Rani Attended a ATAL FDP titled ‘Application of IoT for Smart City Development’ on 21-25 January 2021, organized by Dept of ECE, Siksha’O’Anusandhan Deemed to be University, Bhubaneshwar.

- Dr.A.Venkata Ramana has participated in Master Class on MS Excel as an Analytical Tool organized by Confederation of Indian Industry (CII), Telangana on 22 January 2021

- Mr. Abhisek Sethy have participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on “Speech Processing using Deep Learning” from 2020-12-28 to 2021-1-1 at Indian Institute of Technology Dharwad.

- Mr. Abhisek Sethy have participated & completed successfully five days Online Workshop on “Real World Applications and Challenges in Internet of Things (IoT) and Blockchain Technology”, from 18-22 Jan 2021 at SRM University, AP.

- Mr. Abhisek Sethy have participated & completed successfully five days AICTE Training and Learning (ATAL) Academy sponsored, Online Faculty Development Program (FDP) on Sub Thrust Area: Artificial Intelligence On the topic “Role of Artificial Intelligence in Electric Vehicle Control Applications” from 18th -22nd January 2021,
Dr. G. Nooka Raju attended course Fundamentals of semiconductors Alison Alison 1 weeks completed on 13-02-2021
Sri. B.M.S Sreenivasa Rao attended course Creativity Toolkit II: Creative Collaboration Course University of ILLINOIS AT URBANA-CHAMPAIGN 4 weeks completed on 14-02-2021
Sri. D.V. Ramana attended 3 days workshop title “Mixed Signal VLSI Circuit Design” at Anurag university from 25-01-2021 to 27-01-2021
Dr. T. Prabhakar attended 5 days workshop title “WEARABLE DEVICES” at Centre for Medical Electronics (CME) from 15-02-21 to 19-02-21
Dr. M.Suneetha has participated in one days FDP programme on “Web Development” organized by Department of Information Technology, CMR Engineering College in Association with Brsinovision Solution during 12.12.2020.
Dr. M.Suneetha has Attended two weeks online faculty development program on “Machine Learning for Computer Vision” jointly organized by the Electronics and ICT Academics at IIT Guwahati.IIT Kanpur, MNIT Jaipur, NIT Patna and PDPM IIITDM Jabalpur during Feb 1-12, 2021.
Mr. Abhisek Sethy participated & completed successfully AICTE Sponsored Two Week Faculty Development Programme (FDP) on “Hands on Project-Based Approach for Biomedical Signal Analysis using MATLAB” (Phase-II online) organized by the Department of Electronics and Communication Engineering at Kakatiya Institute of Technology & Science, Warangal, Telangana during 01.02.2021-13.02.2021.
Mr. Abhisek Sethy attended and completed 7 Days International Faculty Development Programme on “Recent Trends in Emergent Technologies” from 17/02/2021 to 24/02/2021 organized by School of Computational Science, Shri Shankarlal Shasun jain College For Women, Chennai.
Dr. Sanjay kumar Gupta, Dr. Pankajkumar, Dr. N.I. Khan, Dr. A. Majji, Mr. V. Jagadish, Mr. G. Sasidhar, Mr. B.S. Sagar, Mr. G. Dineshreddy, Mr. N. Govindrao attended 4hrs online work shop on “ML using Python” on 20” February 2021.
Mr. B. Santosh Sagar attended Career Path Course on “Artificial Intelligence and Deep Learning” conducted by IIT Roorkee and CloudxLab from 28/06.2020 to 01.02.2021.
Dr. N.I. Khan attended 1 Week Faculty Development Programme on “Renewable Energy Technology and Application “ TEQIP-III KMBB College of Engg. and Technology on 08.01.2021 to 13.01.2021
Mr. G. Dinesh Reddy attended Online Course “Teamwork Skills: Communicating Effectively in Groups” Coursera University of Colorado on 04.01.2021
Mr. G. Dinesh Reddy attended Online Course “Becoming a change maker: Introduction to Social Innovation” Coursera University of Cap Town 05.01.2021
Dr. N V A Ravikumar, Mr. V. Manoj and Mr. P V V Pawan Kumar attended TEQIP-III RTU (ATU) Sponsored Five Days Faculty Development Program (FDP), “ADVANCE TRENDS IN ELECTRICAL ENGINEERING”, Department of Electrical Engineering, Arya College of Engineering & IT, Kukas, Jaipur, From 24th-28th February 2022.
Dr. A.V. Ramana(HOD-CSE) along with Dr. V. Srinath and Mr. K. Phanibabu attended 1 week workshop on "Robotic Process Automation", organized by APSSDC during 23-27 March-2021.
Mr. P. Srikanth and Mr. K. Aravind participated in AICTE-ISTE sponsored One week Induction program on “Advanced training program on teaching” during 09-15 February, 2021 organized by Malla Reddy Engineering College.
Mrs. T. Daniya has Participated and Completed successfully AICTE Traningand Learning (ATAL) Academies online FDP on Augmented Reality (AR) / Virtual Reality (VR) from 04.01.2021 to 08.01.2021 at Narasaraopeta Engineering College.
Mr. Abhisek Sethy have successfully participated and completed AICTE-ISTE Sponsored Six Days ONLINE INDUCTION / REFRESHER PROGRAMME on "Recent Trends in Embedded Systems" from 28th March to 23rd March 2021 organised by KAVIKULGURU INSTITUTE OF TECHNOLOGY AND SCIENCE, Hyderabad.
Dr S Ravi Babu Attending 3 week FDP on “Integrating 21st Century Tools and Technologies into Teaching” organizing by Department of Engineering Chemistry, Andhra University from 11 to 31st March 2021.

Extra Curricular Activities
GMRIT CSI Student Chapter organized an online coding competition “Code Buzz” on 10-01-2021, with a total of 48 participants.
GMRIT CSI Student Chapter organized an online quiz “Qriosity” on 28-01-2021, with a total of 81 participants.
GMRIT ACM-W Student Chapter organized a competition, “Present your perception” from 24-25 January 2021, with a total of 36 participants (17 teams).
GMRIT ACM-Student Chapter organized a Webinar, “Campaign on ACM Resources” (exclusively for ACM Members) by G.Dhamareshwara kumar of III CSE, GMRIT on 12-01-2023, with a total of 30 participants.
GMRIT ACM-Student Chapter organized a Webinar, “Campaign on Learning Resources” by G. Dhamareshwara kumar, Adarsh, Venu Gopal, Abishek of III CSE, GMRIT on 26-01-2021, with a total of 62 participants.
GMRIT CSI Student Chapter organized a competition “Pair Paper Presentation” on 20-02-2021, with a total of 52 participants.
GMRIT CSI Student Chapter organized a talk event “Lightning talks” on 25-02-2021, with a total of 85 participants.

GMRIT ACM-Student Chapter celebrated, “ENIAC Day” – 75th Anniversary of First computer from 15th-16th February, 2021 with a total of 104 participants.

M. Rajyalakshmi, of III CSE bagged 2nd position in MindTwister Quiz Competition organized by GMRIT CSI student chapter.

98 students (CSE & IT) cleared Wipro Future skills final assessment and got joint certification from Wipro-NASSCOM.

**Training and Placement**

- As on April 30th for 2020-21 outgoing batch
  - Total no of students: 858
  - No of Eligible Students: 631
  - No of Students Placed: 273
  - No of Placement offers: 369
  - No of companies visited: 36
  - Average annual CTC/Max CTC: 3.90/19.00

- For 2020-21 outgoing batch, out of 631 eligible students, 55 students not interested in placements

- As on April the following are the placement details of 2021 outgoing batch

<table>
<thead>
<tr>
<th>Branch</th>
<th>Total Eligible</th>
<th>Offers</th>
<th>Placements</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE</td>
<td>94</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>CHE</td>
<td>18</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>CSE</td>
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<td>146</td>
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<td>11</td>
<td>02</td>
<td>01</td>
</tr>
<tr>
<td>Total</td>
<td>631</td>
<td>369</td>
<td>273</td>
</tr>
</tbody>
</table>

- From Jan 2021 to April 2021 the following are placement details
  - 2 students were successfully placed in Amazon with a CTC of Rs. 19 Lakhs
  - 04 students were successfully placed in CTS (Cognizant Technology Solutions) with a CTC of Rs. 2.20 Lakhs (21-Jan-21)
  - 24 students were successfully placed in VR Enterprises with a CTC of Rs. 1.30 Lakhs (29-Jan-21)
  - 04 students were successfully placed in CTS (Cognizant Technology Solutions) with a CTC of Rs. 2.20 Lakhs (21-Jan-21)
  - Results are awaited for companies like LnT, ICICI-Times pro, Aurabindo, CHEGG.