

Newsletter

VOLUME-16

ISSUE- 6

NOVEMBER - DECEMBER - 2022



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



Website : www.gmr.it.org
Phone : 08941-251592

GMR INSTITUTE OF TECHNOLOGY

An Autonomous Institute affiliated to JNTUGV

VIZIANAGARAM (DIST),532127

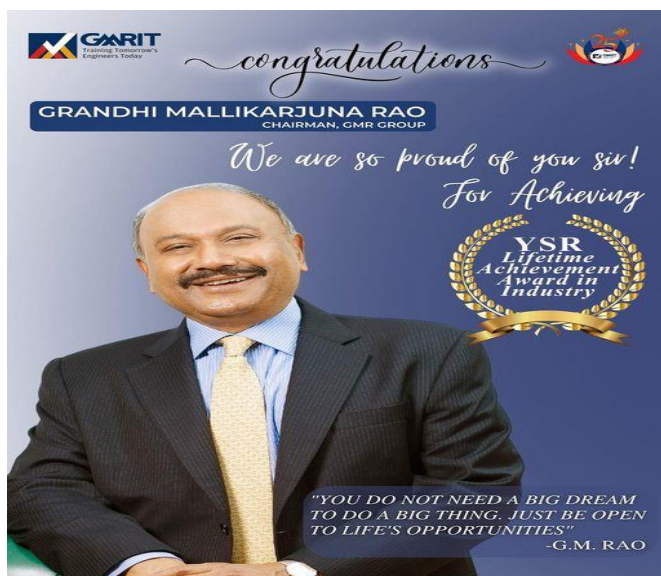
ANDHRA PRADESH

Achievements:

- GMRIT Ranked 20th among the private colleges in the south zone and ranked 27th at the country level by Data Quest DQ -CMR
- GMRIT Ranked 88th in overall ranking at the country India level; ranked 62nd Rank among the private intuitions at the country level and ranked 36th in the South Zone by The Week (HANSA RESEARCH SURVEY)
- GMRIT registered in the Institute Innovation Council (IIC) for the Academic Year 2022-23 as per the guidelines of Ministry of Education's Innovation cell.
- Achieved All over Championship at State level as Runners under Men (Junior) and Women (Junior & Sub-Junior)

Institute Related:

- Shri Grandhi Mallikarjuna Rao, Chairman, GMR Group received "YSR Lifetime Achievement Award in Industry" by AP State government on 1st November 2022.



- Shri N R Narayana Murthy, Founder Infosys in the presence of Shri GM Rao, GMR Group Chairman and other Officials and Dignitaries visited and addressed students of GMRIT on 18.12.2022. Faculty and students of GMRIT are appreciated for their performance.



- GMRIT hosted the JNTU GV University Badminton (Men & Women) Teams ICT cum selection trails on 17th & 18th November 2022
- Mr Andhra Body Building Championship was held at GMRIT on 20.12.2022.



- Department of Mechanical Engineering organized one-week online FDP on "Hybrid Electric Vehicles" in association with Dept. of Mech. Eng., V R Siddhartha Eng. College, Vijayawada, from 21 -25 Nov 2022.

- Mr. G. Venkata Chalapathi Rao (2007-11 Batch), Deputy General Manager, Technical Services, HPCL Bantida delivered a talk on “Careers in Chemical Industry” on 22nd November, 2022.

- GMRIT conducted 21st Alumni Meet on 20th November 2022 at Visakhapatnam.



- Smt. A. Surya Kumari IAS, Honorable Collector, Vizianagaram District interacted with GMRIT students regarding “Systematic Voters Education and Electoral Participation (SVEEP)”, on the occasion of National Education Day.



- NSS unit conducted Awareness Campaign on HIV/AIDS in connection with World AIDS Day and Blood Group Testing Camp for first year students on 1-12-2022



- Fresher’s Day was celebrated on 12th December 2022 by the second year students to 2023 batch.



- Ms. P. Deepika, final year CSE received “Best Student Influential Award by APSICHE” from the Chief Minister of A.P with cash prize of Rs.30000/-



- Ms. Bhargavi and Mr. Surya Prakash of CSE won in UNESCO-India-Africa Hackathon 2022, held on 23rd, 24th November 2022 at Goutham Buddha University, New Delhi.



- Dr Satish M, Associate Professor, Dept of CSE, elected as Management Committee Member, CSI, Vizag Chapter for the Years 2022-24.



- Mr. V. V. Krishna (1998-2002 Batch), Senior Process Engineer, Praxair Int., Dubai has given a guest lecture on “Process Engineering” to the students of Chemical Engineering on 30th December, 2022.
- Department of EEE Conducted 6 Days FDP on “Enhancement and Utilization of Green Energy in Power Systems Using Power Electronics and Control” from 12th December to 17th December 2022 in Association with Au College of Engg., Visakhapatnam.
- Department of BS&H conducted a 5-day FDP on "Communication Skills for Research Paper Writing and Professional Practices" from 4th to 8th December 2022.
- Department of BS&H organized FDP title “Nanomaterials For Sustainable Future" during the period 12th - 16th December 2022.
- Dr. N. Vijaya Lakshmi, Consultant Psychologist visited the campus and conducted counselling sessions from 14th to 15th December 2022.

- Mr. Maheshwer Peri, Advisory Board Member of GMRVF addressed the final year students on Recruitment Scenario-Industries"" on 17.12.2022.
- NCC unit Conducted Firing camp at 14 A Battalion Srikakulam

Academic Achievements:

Technical Paper Publication in Conferences

- K.V.S.Prasad, presented a paper on “An Empirical Study of Management’s Perceptions towards Quality Management in Technical Education,”, First International Conference on Impending Inquisitions In Humanities & Sciences (ICIHS-2022), Organized by Department of H & S, KL (Deemed-to-be) University, Hyderabad, 28-30, November 2022.
- G Indira Kishore, et al. presented a paper on “Implementation of Various Modulation Techniques to a PV Fed Solar Inverter with High Gain DC-DC Converter in Standalone Applications”, 2022 IEEE Global Conference on Computing, Power and Communication Technologies (GlobConPT)-Sep 2022, India (Indexed by SCOPUS) DOI: 10.1109/GlobConPT57482.2022.9938321
- M. Venkatesh, et al. presented a paper on “A Robust Wide Area Control of DFIG Wind Energy System for Damping Inter-area Oscillations” 2022 11th International Conference on Renewable Energy Research and Application (ICRERA), Date of Conference: 18-21 September 2022, Publisher: IEEE, (Indexed by SCOPUS), Conference Location: Istanbul, Turkey. <https://doi.org/10.1109/ICRERA5966.2022.9922717>
- Dr. L.V.Suresh Kumar, et al. presented a paper on “Speed control of BLDC Motor in Hybrid Fuel cell based Electric Vehicle” in "Gayatri Vidhyut Conference GVCON-2K22", conducted by Electrical & Electronics Engineering Department, Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam during 21st to 22nd October, 2022.
- Dr. L.V.Suresh Kumar et al. presented a paper on “Electric vehicle speed control with various control algorithms” Gayatri Vidhyut Conference GVCON-2K22", conducted by Electrical & Electronics Engineering Department, Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam during 21st to 22nd October, 2022.

- Y Surya Prakash, et al. presented a paper on “Digital Signatures and EIGamal Scheme Integration for Secure Data Transmission in Digital Transaction A Survey” International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2022) IEEE, CARE College of Engineering, November 24-26, 2022, Tiruchy, India.
- K. Kumara Swamy, presented a paper on “Fixed Points of Chatterjee type Contraction and Ciric type Contraction On Controlled G-metric type Spaces” International Conference on Impending Inquisitions in Humanities and Sciences (ICIHS-2022) , 2022 organized by the Department of Humanities and Sciences, K L (Deemed-to-be) University, Hyderabad, 30th November 2022.
- Telagarapu Prabhakar, presented a paper on “Deep learning-based automatic detection of breast lesions on ultrasound images Book: Book Intelligent Systems and Machine Learning for Industry”, CRC Press, eBook ISBN: 9781003286745.
- Ravikumar Palla, et al. presented a paper on “A compact, flexible, multiband antenna for sub-6 ghz wearable applications”, IEEE 2nd International Conference on Mobile Networks and Wireless Communications (ICMNBC), Sri Siddhartha Institute of Technology, Tumakuru, India, December 03, 2022.
- Suresh Dannana, presented a paper on “A Novel System Model for Managing Cyber Threat Intelligence”, 2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon), JSS Science and Technology University (SJCE), Mysuru, 16th December, 2022
<https://ieeexplore.ieee.org/document/9972703>
- Babji Prasad Chapa, presented a paper on “Uplink Massive MIMO Network Performance”, 2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon), JSS Science and Technology University (SJCE), Mysuru, 16th December, 2022,
<https://ieeexplore.ieee.org/document/9972387>
- Dr. R. Cristin, et al. presented a paper on “DBN with a Developed Version of Thermal Exchange Optimization (TEO) Model for Skin Cancer Detection and Classification.” In 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES), pp. 1-7. IEEE, 2022.
- Vykunta Rao. M, et al. presented a paper on "Artificial Neural Network Model for the Evaluation of Tensile Strength of Vibratory-Assisted TIG Welded Aluminium Weldments." In Recent Trends in Product Design and Intelligent Manufacturing Systems, Lecture Notes in Mechanical Engineering, (ISBN: 978-981-19-4606-6) (Indexed in: Scopus) pp. 693-700., Q4, Springer, Singapore, 2023,
https://link.springer.com/chapter/10.1007/978-981-19-4606-6_63
- Vinod Babu Chintada, et al. presented a paper on "Comparative Study on Microhardness of the Electroless ZnO and SiC Reinforced Ni-P Coatings." In Recent Trends in Product Design and Intelligent Manufacturing Systems, Lecture Notes in Mechanical Engineering, (ISBN: 978-981-19-4606-6) (Indexed in: Scopus) pp. 471-477., Q4, Springer, Singapore, 6 oct 2022
https://link.springer.com/chapter/10.1007/978-981-19-4606-6_44

Journal Publications:

- Balaga Viswanadham, et al. published a paper on "N-BOC protection of amines over mesoporous SBA-15 catalyst at room temperature" Journal of Porous Materials, Nov, 2022, (ISSN No.: 1573-4854) (Indexed in: SCI & Scopus) (Impact Factor: 2.523)
<https://doi.org/10.1007/s10934-022-01374-3>
- Sramana De1 et al. published a paper on “Utilization of Antenatal Services among Mothers under Pradhan Mantri Surakshit Matritva Abhiyan in Select Urban Slums of Bhubaneswar Smart City” NeuroQuantology, November 2022 | Volume: 20 | Issue: 17; Page: 260-266; ISSN: 1303-5150 [SCOPUS-indexed journal; Q3; H-21].
- Shivaji Ranjan Lenka1 et al. published a paper on “Practice of Tribal ASHA on Under-Five Child Health in Mayurbhanj District of Odisha: Issues, Opportunities and Challenges”. NeuroQuantology, November 2022 | Volume: 20 | Issue: 17; Page: 267-272; ISSN: 1303-5150 [SCOPUS-indexed journal; Q3; H-21].
- P. Satya Sagar, et al. published a paper on “Lipid Production through Optimization of Thermal

Diluted Acid Pretreatment on Native Grass using *Yarrowia Lipolytica*'' Fuel | 2023 | Volume 33
doi: <https://doi.org/10.1016/j.fuel.2022.126475>.

- Jyothi Kaparapu, et al. published a paper on "Microalgae as an alternative to fish meal: A Review" Neuro Quantology | November 2022 | Volume 20 | Issue 13 | Page 2138-2151
doi: [10.14704/nq.2022.20.13. NQ88267](https://doi.org/10.14704/nq.2022.20.13. NQ88267)
- Rangunath S, et al. published a paper on "Synergistic removal of 1-(4-Hydroxy-3 -Methoxyphenyl) ethenone (Apocynin) with enhanced immobilized and suspended Sr-doped LaNiO₃ based photo-catalytic membrane reactor under gamma irradiation", Global Nest Journal, November 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632), DOI: <https://doi.org/10.30955/gnj.004508>
- V. Sathees Kumar, et al. published a paper on "Studies on Influence of Process Parameters in Upgradation of Bio-oil Derived from HTL of Domestic household waste: Application of Response Surface Methodology", Global NEST Journal, October 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632),
DOI: <https://doi.org/10.30955/gnj.004445>.
- Sathees Kumar. V, et al. published a paper on "Biosorption of heavy metal ions from the aqueous solutions using groundnut shell activated carbon: batch adsorption, kinetic and thermodynamic studies", Global NEST Journal, October 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632),
DOI: <https://doi.org/10.30955/gnj.004491>
- Hariharan. T, et al. published a paper on "Batch and Packed Bed Column Studies of Azo Dyes Adsorption from the Aqueous Solutions Using Activated Sugarcane Bagasse Charcoal Adsorbent: Isotherm and Kinetic Studies", Global NEST Journal, October 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632),
DOI: <https://doi.org/10.30955/gnj.004492>
- Ilavarasan N, et al. published a paper on "Investigation of Copper Ion adsorption using Activated Sawdust Powder: Isotherm, Kinetic and Thermodynamic studies", Global NEST Journal, October 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632),
DOI: <https://doi.org/10.30955/gnj.004496>
- S. Rangunath, et al. published a paper on "Biodecolorization of Remazol Black B using Biochar produced from Coconut Shell: Batch, Desorption, Isotherm and Kinetic Studies", Global NEST Journal, October 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632),
DOI: <https://doi.org/10.30955/gnj.004502>
- Ramesh Pandian R, et al. published a paper on "Ziziphus Jujube Seeds derived Biomass as Cost-Effective Biosorbent for the removal of Cr⁶⁺ from Aqueous solutions: Isotherm and Kinetic Studies", Global NEST Journal, November 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632),
DOI: <https://doi.org/10.30955/gnj.004497>
- Gokulan. R, et al. published a paper on "Extraction of biodiesel from wastewater using microalgae *Chlorella Vulgaris*", Global NEST Journal, November 2022, (Impact Factor: 1.04) (Indexed in SCI and Scopus, Q3) (ISSN: 1108-4006, 1790-7632),
DOI: <https://doi.org/10.30955/gnj.004547>
- P V Murali Krishna, published a paper on "Low power 4-bit flash analog to digital converter for high-speed applications", Journal of Emerging Technologies and Innovative Research(JETIR), vol. 9, no. 10, pp. 61-68
<https://www.jetir.org/papers/JETIR2210410.pdf>
- Telagarapu Prabhakar, published a paper on "CNN – Based Automated Covid-19 Detection From Chest X-Ray Images", IJFANS International Journal of Food and Nutritional Sciences, vol. 11, no. 1, pp. 267-278 (Indexed by UGC,
<https://ijfans.org/uploads/paper/65fba5f83a960ca87808355b536bd4e2.pdf>)
- M. Vinay Kumar, published a paper on "An In-Depth Analysis Of India's Development Of Renewable Energy Technologies In Comparison To Other Leading Nations That Rely On Renewable Energy", Neuroquantology, Volume 20, Issue 14, pp. 283-290 |
doi: [10.4704/nq.2022.20.14. NQ88040](https://doi.org/10.4704/nq.2022.20.14. NQ88040), October 2022

- Pazhanimuthu Cholamuthu, et al. published a paper on "A Grid-Connected Solar PV/Wind Turbine Based Hybrid Energy System Using ANFIS Controller for Hybrid Series Active Power Filter to Improve the Power Quality", International Transactions on Electrical Energy Systems, Volume 2022, pp. 14 November 2022. Indexed in Sci, Impact factor. 3.41, Q2 - <https://www.hindawi.com/journals/itees/2022/9374638/>
- P. Suniti, published a paper on "Smoke and Fire Detection using Deep Learning: A Review", International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 1, PP: 312-321, November 2022, (Peer-Reviewed, IF:6.252), [DOI: 10.48175/568](https://doi.org/10.48175/568)
- Cristin, Rajan, et al. published a paper on "Image tampering detection in image forensics using earthworm- rider optimization." Concurrency and Computation: Practice and Experience Vol. 34, No. 26, 2022. [Indexed in: SCIE, IF: 1.831, Q1 , Link : <https://onlinelibrary.wiley.com/doi/abs/10.1002/cpe.7293>]
- Marrapu Hari Krishna, et al. published a paper on "Survey on Personalized Healthy Diet Recommendation System Using Machine Learning" Neuro Quantology | October 2022 | Volume 20 | Issue 13 | Page 916-922 | [doi: 10.14704/nq.2022.20.9.NQ88117](https://doi.org/10.14704/nq.2022.20.9.NQ88117).
- Uriti Archana, et al. published a paper on "A Survey on Enhancement of digital business using QR." Neuro Quantology | October 2022 | Volume 20 | Issue 13 | Page 930-935 | [doi: 10.14704/nq.2022.20.9.NQ88119](https://doi.org/10.14704/nq.2022.20.9.NQ88119)
- Ambarish Maji, et al. published a paper on "Performance Analysis and Recent Study of Powder Mixed EDM and Powder Mixed Wire-EDM – A Review, Neuro Quantology, (2022), Volume 20, Issue 15, pp 5656-5669, (ISSN: 1303-5150), (Indexed in: Scopus), Q3, [DOI: 10.14704/NQ.2022.20.15.NQ88569](https://doi.org/10.14704/NQ.2022.20.15.NQ88569)
- Ambarish Maji, et al. published a paper on "A Brief Review on the Machinability of Micro EDM, Wire cut-EDM, and Die Sink EDM, NeuroQuantology, (2022), Volume 20, Issue 15, pp 5648-5655, (ISSN: 1303-5150), (Indexed in: Scopus), Q3, [DOI: 10.14704/NQ.2022.20.15.NQ88568](https://doi.org/10.14704/NQ.2022.20.15.NQ88568)
- Rajendra Kumar Dash et al. published a paper on, "Sustainable Energy Entrepreneurship in India: The Transformative Role of Education", Agathos: An International Review of the Humanities and Social Sciences. ISSN: 2069-1025, 2022; Vol.13, Issue 2, pp 115-130 November 2022. WEB OF SCIENCE: ESCI. https://www.agathos-international-review.com/issue13_2/19.Dash%20et%20al.pdf
- P. Satya Sagar, et al. published a paper on "Lipid bioproduction through optimization of thermal diluted acid pretreatment on native grass using Yarrowia lipolytica", Fuel, 333, 2022, 126475 (SCI Indexed, Q1) <https://doi.org/10.1016/j.fuel.2022.126475>
- Tapas Kumar Dora, et al. published a paper on "Effects of Nanoparticles in Polymer-Based Enhanced Oil Recovery Technique", Journal of Nano- and Electronics Physics, 14(16), 2022 (Scopus Indexed) [https://doi.org/10.21272/jnep.14\(6\).06009](https://doi.org/10.21272/jnep.14(6).06009)
- Krishna Prasad, et al. published a paper on published a paper on "Microalgae as an alternative to fish meal: Review", Neuro Quantology, 20(13), 2022, 2138-2151 (Scopus Indexed) [10.14704/nq.2022.20.13.NQ88267](https://doi.org/10.14704/nq.2022.20.13.NQ88267)
- Penki Ramu, et al. published a paper on "A review of challenges and solutions in adopting a participatory geographical information system for disaster management", Ecocycles, Vol. No.8, Issue No.2, pp 64-73, Nov 2022. (ISSN No.:2416-2140) (Indexed in: Scopus, Q4) (Impact Factor: 0) <https://doi.org/10.19040/ecocycles.v8i2.245>
- Kanta Naga Rajesh, et al. published a paper on "Application of response surface method for optimization of alkali activated slag concrete mix with used foundry sand as partial replacement of sand". Sādhanā 47, 269 (2022). <https://doi.org/10.1007/s12046-022-020409>. (Sadhana-Indian Academy of Sciences, Indexed in SCI, IF:0.39, Q2) - Online ISSN: 0973-7677, Print ISSN: 0256-2499, <https://rdcu.be/c1hJa>.
- Gokulan R, et al. published a paper on "Biosorption of chromium (VI+) using tamarind fruit shells in continuously mixed batch reactor", Global Nest Journal, November 2022, (Impact Factor: 1.04) (Indexed in SCI and

- Scopus, Q3) (ISSN: 1108-4006, 1790-7632)
[doi:https://doi.org/10.30955/gnj.004561](https://doi.org/10.30955/gnj.004561)
- Siva Gowri Prasad S., et al. published a paper on “Problems Due to Expansive Soils and Their Remedies”, NeuroQuantology, Vol. No.20, Issue No.12, pp 2707-2712, Oct. 2022. (ISSN No.:1303-5150) (Indexed in: Scopus, Q3) (Impact Factor: 0.29)
<https://www.neuroquantology.com/article.php?id=8845>
 - Siva Gowri Prasad S et al. published a paper on “A Study on Stabilization of Soil Using Cement Kiln Dust”, NeuroQuantology, Vol. No.20, Issue No.15, pp 2009-2013, Nov. 2022. (ISSN No.:1303-5150) (Indexed in: Scopus, Q3) (Impact Factor: 0.29)
<http://www.neuroquantology.com/article.php?id=9492>
 - Anil Badisa, published a paper on “Design of electromagnetic cloak with sequentially connected rectangular split ring resonators for S-band applications”, AIMS Electronics and Electrical Engineering, vol. 6, no. 4, pp. 385-396 (Indexed by Scopus, IF : 1.19, Q3, ISSN: 2578-1588,
<https://www.aimspress.com/article/id/6336b21bba35de77c348b60f>)
 - Ramana Pilla, et al. published a paper on “Frequency regulation of hybrid power system using firefly algorithm,” Int. J. Innovative Computing and Applications, Vol.13, No.2, June 2022, pp.88-96 (Inderscience) (Indexed in: SCOPUS) (ISSN No. 1751-6498).
[DOI: 10.1504/IJICA.2022.123224](https://doi.org/10.1504/IJICA.2022.123224)
 - Madisa V.G. Varaprasad et al. published a paper on “Design and analysis of PV fed high-voltage gain DC-DC converter using PI and NN controllers ”, Ain Shams Engineering Journal , 18 November 2022 (Indexed by SCI , IF:3.18 , Q1,)
<https://doi.org/10.1016/j.asej.2022.102061>
 - Damala Rajesh Babu, et al. published a paper on “A Review of Fault Analysis of the HVDC Transmission System” published in “International Journal of Research Publication and Reviews” ISSN: 2582-7421, Vol 3, no 11, pp 347-351, November 2022 with IF 5.536.
 - Damala Rajesh Babu, et al. published a paper on “A Review on Vehicle to Grid Integration Using Renewable Energy Sources and Electric Vehicles” published in “International Journal of Research Publication and Reviews” ISSN: 2582-7421, Vol 3, no 11, pp 411-413 , November 2022 with IF 5.536.
 - Satish Muppidi et al. published a paper on “Feedback Artificial Tree-Anti Corona Virus Optimization enabled deep learning for detecting autism spectrum disorder”, Expert Systems, July 2022, (Indexed by SCIE, IF:2812 Q2)
[https://doi.org/10.1111/exsy.13040.](https://doi.org/10.1111/exsy.13040)
 - Satish Muppidi, et al. published a paper on “SPDPOA: Student Psychology Dragonfly Political Optimizer Algorithm-Based Soil Moisture and Heat-Level Prediction for Plant Health Monitoring in Internet of Things”, bxc096, The Computer Journal, 2022 (Indexed by SCIE, IF:2812 Q2)
[https://doi.org/10.1093/comjnl/bxc096.](https://doi.org/10.1093/comjnl/bxc096)
 - Satish Muppidi, et al. published a paper on “Autoregressive-Elephant Herding Optimization based Generative Adversarial Network for copy-move forgery detection with Interval type-2 fuzzy clustering”, Signal Processing: Image Communication, Volume 108, July 2022, (Indexed by SCIE, IF:3.453 Q1)
[https://doi.org/10.1016/j.image.2022.116756.](https://doi.org/10.1016/j.image.2022.116756)
 - Marrapu Hari Krishna, et al. published a paper on “Survey on Personalized Healthy Diet Recommendation System Using Machine Learning ” Neuro Quantology | October 2022 | Volume 20 | Issue 13 | Page 916-922 |
[doi: 10.14704/nq.2022.20.9.NQ88117.](https://doi.org/10.14704/nq.2022.20.9.NQ88117)
 - Dr. B. V. Suresh, et al. published a paper on “Review on Hydroelectric Power Plants” International Journal of Research Publication and Reviews, (2022), Volume 3, Issue 11, pp 1142-1155, (ISSN: 2582-7421), (Indexed in: Non-Scopus),
<https://ijrpr.com/uploads/V3ISSUE11/IJRPR7878.pdf>
 - L. S. V Prasad, et al. published a paper on “Effect of transition and eccentricity ratios on load bearing ability and speed in journal bearings utilized in marine propulsion systems Effect of Transition and Eccentricity Ratios on Load Bearing Ability and Speed in Journal Bearings Utilized in,” AIP Conf. Proc., vol. 2648, no. November, pp. 020010–1 to 020010–14, 2022,

(ISSN: 1551-7616) (Indexed in: Scopus) DOI:
<https://doi.org/10.1063/5.0114592>

- Sasidhar Gurugubelli, et al. published a paper on 'Analysis Of Piston Failure: A Review International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume:04 / Issue:11 November -2022. (Indexed in: Non-Scopus),
<https://www.doi.org/10.56726/IRJMETS31022>

Workshops/Conference Attended:

- Dr. H. Joga Rao attended an online Faculty Development Program on "Recent Advances in Chemical Engineering (RACE-22)" organized by the Department of Chemical Engineering, Rajyalakshmi Engineering College, Chennai from 8th to 12th, November 2022.
- Faculty from CSE attended a Faculty Development Programme titled, "Recent Trends in Artificial Intelligence and Cyber Security" organized by Shri Vishnu Engineering College for Women, Bhimavaram from 01.11.2022 to 05.11.2022.
- Dr. Sudhakar Uppada attended FDP on "Advanced Material Characterization Techniques" organized by Department of Metallurgical Engg., School of Engg., OPJU Raigarh on th November 2022 to 11th November 2022.
- Dr. Prasanth Kumar Choudhary attended FDP on "Advanced Material Characterization Techniques" organized by Department of Metallurgical Engg., School of Engg., OPJU Raigarh on th November 2022 to 11th November 2022.
- Mr. Sasidhar Gurugubelli attended FDP on "Advanced Material Characterization Techniques" organized by Department of Metallurgical Engg., School of Engg., OPJU Raigarh on th November 2022 to 11th November 2022.
- Mrs. Shireesha Yegireddy attended FDP on "Trends & Challenges in the Development of Electric Vehicles & Hybrid Electric Vehicles (Series-2)" organized by Department of Mechanical Engg., Lendi Institute of Engineering & Technology on 14th November 2022 to 18th November 2022.
- Mr. Y. Surya Prakash attended three-day Workshop on "Cyber Security Attacks and Mitigation Techniques" organized by KLEAP Institute of Information Security of KLEAP Technologies Pvt Ltd.

- Faculty from Civil department attended one week FDP on "Emerging Trends and Practices in Civil Engineering" conducted by Aditya Institute of Technology & Management, Tekkali, Andhra Pradesh from 21st Nov-2022 to 27th Nov-2022.
- Kanta Naga Rajesh attended a 10-day FDP on "Applications of Artificial Intelligence & Machine Learning In Civil Engineering" Conducted By R.V.R. & J.C. College Of Engineering, Guntur, Andhra Pradesh from 27-10-22 to 25-11-22.
- Penki Ramu attended a 30-day STTP on "Computer Hardware & Networking" conducted by MSME-Technology Development Centre (Process & Product Development Centre, Agra), Ministry of MSME, Govt. of India Society, from 14.11.2022 to 13.12.2022.
- Faculty from Civil Dept. attended one week workshop on "International workshop on construction materials" conducted by NIT Calicut, India from 13-12-22 to 17-12-22.
- Mrs. P. Revathi attended a Conference "IEEE ISES 2022" at NIT-Warangal on 20.12.2022.
- Dr. K Siva Prasad attended FDP on "Advanced Technologies for Emerging Research in Mechanical Engineering" organized by Annamacharya Institute of Technology & Sciences on 5th December 2022 to 09th December 2022.
- Dr. Pankaj Kumar, Dr. Ambarish Maji, Dr. Bapa Mondal attended FDP on "Hybrid Electric Vehicles" Jointly organized by Departments of Mechanical Engineering of GMRIT-Rajam and Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada on 21st November 2022 to 25th November 2022.

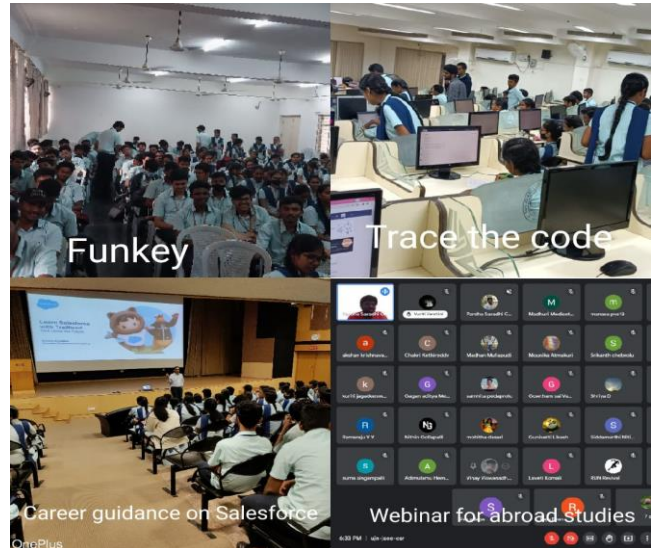
Co-Curricular Activities:

- Mr P Srivastav 3rd Year IT received gold medal for winning the PUNEET SAGAR inter battalion debate competition was held at the occasion of NCC day at the 14(A) BN office Srikakulam.
- Entrepreneurship Development Cell(EDC) and Institute Innovative Council(IIC)conducted Exposure and field visit for problem identification in East India Distilleries Parry's Limited, Sankili and Dr. Reddy's Laboratories on 17.11.2022



- GMRIT CSI Student Chapter under the guidance of Dr. M. Satish, has organized the events like Funkey, Trace the code, Career guidance on salesforce, Webinar for abroad studies in the month of November and December.

- NSS unit organized Clean India Campaign 2.0 at GMRIT staff Quarters.
- Mr Mohan, Ms Yakshitha from 2nd year CSE bagged 3rd Prize in Power Lifting Competitions at 1st 5 Districts organized at Rajahmundry.
- Google Developers Club conducted Google Career Cloud Practitioner info session.
- IIC conducted Workshop on “Entrepreneurship and Innovation” as Career Opportunity 24.09.2022



- Event on 10-11-2022 in CSE Seminar Hall from 3:20 to 5:00 PM with 136 students.
- Nakka Ramesh Babu, 20345A0514 had successfully completed the Juniper Certification Course
- IIC - Mr. Abhijeet Sahoo, Co-founder Goodmeetings.ai and CEO Fastech Fashions Private Limited, Bhubaneswar, Odisha delivered an expert talk through online mode on “Process of Innovation development and Technology”. This event was organized by Entrepreneur Development Cell and Institute Innovative Council of GMR Institute of Technology, Rajam, Andhra Pradesh on 9th December 2022.

- Mr Ravi Teja, Mr Mohan, from 2nd CSE bagged 5th Prize, 3rd Prize in Building Competitions organized at Rajahmundry.



- Conducted Motivational lecture for 1st year students by Prof Murali Krishna, JNTUK on 18th Nov 2022.
- Entrepreneur Development Cell (EDC)& Institute Innovative Council (IIC) presents pitching session on 03.09.2022-My Story-Motivational Session by Successful Innovators by G.Anil CEO,AG Fintax Hyderabad, India.



- IIC and Green Eco club on the eve of National Energy Conservation Day conducted Idea Conclave on 14.12.2022.



- ACM & ACM(W) conducted events on “Code mantra”, “Passing code”, “Competative Programming”, “Webinar Web Alley” & “Flick-de-code” in the month of November and December.

- Entrepreneur development Cell conducted event Idea Hunt 2.0 on 3rd December 2022.



- ACM-W conducted the Community event Hour of code on 9/12/2022, at Kasturbha Gandhi School (Guravam Village) and Govt High School (Lingalavalasa)



- IIC - National Pollution Control Day under IIC & Green Eco club on 07.12.2022



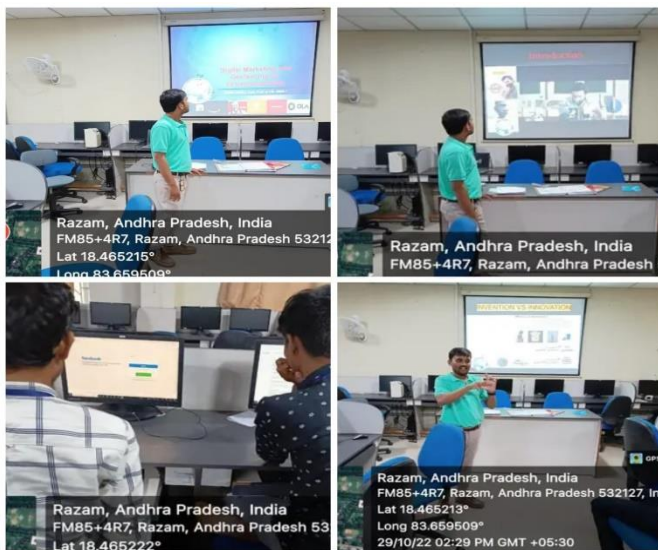
- IIC-Virtual Awareness Session on "Entrepreneurial opportunities in Construction". 15.09.2022

- ISTE conducted events on "unviel", "flip tack toe", "memory hunt", "tech-trivia"; "industrial safety management", "wordle"; "tic tac toe" & "insta-hunt" in the month of november and december.



- Nakka Ramesh Babu, from department of CSE had successfully completed the Juniper Certification Course.
- Internal Project Expo Competition held on 03.12.2022
- Web Developers Club launch in CSE Dept on 01.12.2022
- 36 Students entered Round 2 for the Coding Contest of Gold Man Sachs
- EDC conducted an event Idea Factory 1.0 on 9th December 2022, in association with IIC GMRIT with participant's count of 46 Members.

➤ IIC-Digital marketing for entrepreneurship 14.11.2022



- Institution of Engineers Club conducted BATTLE WITH BRAINS.
- STEM club conducted TECH TALK; Women Empowerment club conducted Women in STEM - Breaking the Cliché; Coding club conducted BUG BUSTER
- Conducted Fire Safety Mock Drill Program by Mr. T.S.S Janardhana Rao, Fire Officer & Team, Rajam on 18th November 2022.
- Mr P Srivastav 3rd Year IT received gold medal for winning the PUNEET SAGAR inter battalion debate competition held at the occasion of NCC day at the 14(A) BN office Srikakulam.
- ECE department IE(I) student chapter organized an event “Battle with Brains” on 14.11.2022, around 75 students participated in the event.
- ECE department ISTE student chapter organized an event “Logic Buzzers” on 21-11-2022; around 87 students participated in the event.
- ISTE conducted the event Block Chain Gaming Workshop on 29-12-2022 at 03:30 pm-05:00 pm with 43 students in Seminar Hall.

Training and Placement:

- As on 30.11.2022, total 21 companies visited for 2022-23 outgoing batch: 384 students were placed with 526 offers with a maximum CTC of Rs. 11.00 Lakhs and an average CTC of Rs. 4.79 Lakhs
- Branch wise and Company wise Placements - 2022-23 Batch for GMRIT as on 31.12 .2022

Branch	Total Eligible	Offers	Placements
CE	93	25	21
CHE	19	07	6
CSE	183	192	122
ECE	165	127	94
EEE	94	40	35
IT	116	90	67
ME	138	44	38
Total	808	526	384

➤ IIC-Motivational Session by Successful Entrepreneur/Start-up founder 12.09.2022



- K Gayatri from the department of CSE was selected as a Software engineer in IBM-ISDL with a package of 11LPA+Bonus for the academic year 2022-23.
- Milestone 4 of Wipro Talent Nxt is cleared by 221 from 310 Students of CSE, IT, ECE and EEE.
- 23 Students of 2024 Pass outs had been nominated themselves for Juniper Courses.
- Mr. Mahesh Peri, CEO of Outlook Magazine talk deliver a talk on “Recruitment scenarios” on 17.12.2022