

GMRLT CAMPUS NEWS

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About GMRLT

www.gmril.org

GMRLT 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 institution is also having ISO 9001:2008 Quality Systems.

GMRLT offers 4 year B.Tech. programs in nine core disciplines, 2 year M.Tech programs in five specializations.

The annual intake of the institute is 1050 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
- Artificial Intelligence and Data Science Engineering
- Data Science and Machine Learning Engineering

P.G. Courses

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

Achievements



- ARIIA : Categorized Band-Performer in category of Colleges/Institutes (Private / Self Financed) (Technical), December, 2021
- Digital Learning : Ranked the finest private engineering colleges of India: South Zone – AP:AAAAA Rating September 2021.
- Data Quest CMR : Ranked 20th among the top 100 (government and private Engg) colleges and Ranked 13th among the private institutions in the country. Also ranked 9th in the south region, September 2021
- India Today : Ranked 73rd in the country and 2nd in AP June 2021.
- NIRF,MHRD : Ranked in the band of 201 – 250, September 2021.
- Education World : Ranked 2nd in AP and 43rd in India's among the Top 85 Private Engineering Institutes across the Country, May 2021.
- Times : – Ranked 13th in AP and 118th in India's among the TOP 150th Engineering Institutes across the Country, July 2021.

- GHRDC-CSR : Ranked 2nd in AP and 14th in India's among Top Out Standing Engg. Colleges of Excellence, July 2021.
- Outlook – Icare: Ranked 1st in AP and 78th in India's among the Top Engg. colleges, August 2021.
- Careers 360- Rated AAAA Top Engineering colleges(Across South Zone, July 2021.
- The Week : Ranked 61st among the Top Engg. Colleges and 80th among the Private Engg. Colleges in India and 36th in South Zone and 2nd in AP, August 2021.
- AICTE-CII : Achieved Silver rating, December 2020.
- Data Quest(DQ - CMR) : Ranked 2nd in AP and 32nd at among Top 100 T- Schools across the Country Private Engineering colleges by Data Quest-CMR, Apr, 2021.

Institute Related

- NBA accreditation for Mechanical and ECE is extended for one more year i.e till June 2022.
- 489 students were placed with 912 offers with a maximum CTC of Rs. 9.00 Lakhs and an average CTC of Rs. 4.10 Lakhs.
- Civil Engineering 3rd year student M. Shushma has registered a copyright on "Women Safety Weapon (dairy Number-6440/2021-CO/L)".
- AP state seniors (Men & Women) Power Lifting Championship 2021 was held at Visakhapatnam. One student receive gold medal, Three students received silver medals and 2 students received bronze medals.
- JNTUK Inter Collegiate Power Lifting (M&W), Weight Lifting(M), Body Building(M) Championship tournament is hosted. Twelve students received gold medals, Thirteen students received silver medals and Seven students received bronze medals.
- In JNTUK Athletics Inter Collegiate Championship 2021-22 held at Surampalem, East Godavari Dist. And Three students received gold medals, Eight students received silver medals and Two students received bronze medals
- Dr Deepshikha Datta is selected as the Reviewer of Advances in Science, Technology and Engineering Systems Journal (ISSN: 2415-6698), Reviewer code: AJR10944.
- Dr Satya Sagar was awarded as the "InSc Best Teacher Award (BTA)" for the academic year 2021 from Institute of Scholars, Bengaluru-560091, Karnataka, India
- Ahmad Taher Azar, Fernando E. Serrano, Nashwa Ahmad Kamal, Tulasichandra Sekhar Gorripotu, Ramana Pilla, Sandeep Kumar, Ibraheem Kasim Ibraheem, Amjad J. Humaidi, "Robust Control and Synchronization of Fractional-Order Complex Chaotic Systems with Hidden Attractor", Algorithms for Intelligent Systems, Springer, Singapore, Vol. No. 55, pp. 199-210, August, 2021. (ISSN

- No.978-981-16-3246-4) [Indexed by Scopus, https://doi.org/10.1007/978-981-16-3246-4_15]
- Google Codechef Students chapter is initiated in October, 2021 and Mr K Venugopal is the President for the Students wing
- Dr. Yogesh Misra, published a book "Programming and Interfacing with Arduino" CRC Press.
- Ramana Pilla and G.T. Chandar Sekhar, published a book chapter "Electrical appliances", Shree Publishing House, October 2021 (ISSN No. 9788195166114)
- Ramana Pilla and G.T. Chandar Sekhar, published a book chapter "Circuit Theory and Electronic Devices", Shree Publishing House, October 2021 (ISSN No. 9789391117092)
- K.Chitambara Rao, Ramana Pilla and G.T. Chandar Sekhar, published a book chapter "Digital Electronics", Shree Publishing House, October 2021 (ISSN No. 9789391117344)
- Dr M S Nidhya, Dr Balajee Maram, Dr R Prabha, Dr V Srinadh Vemireddi, published a book "Data Communication and Networking", Volume:1, Issue:1, Jayalakshmi Publications, ISBNNo:9789390203109, https://isbn.gov.in/Recently_Published_Books.aspx
- Dr Veerraju Gampala, Dr Paul P Mathal, Dr M S Nidhya, Dr Balajee Maram, published a book "XML and Web Services", Jayalakshmi Publications, ISBN No: 9789390203154; https://isbn.gov.in/Recently_Published_Books.aspx
- Total 52 students attended Online Guest Lecture on "Applications of RS & GIS" by T.Srinivasa Rao, Research Scholar, IIT Bombay on 23.10.2021, conducted by Dept. of Civil Engg., GMR Institute of Technology. (Attendees: IV year students-33, III year students-17, M.Tech students-2)
- Total 37 students attended Online Guest Lecture on "Fundamentals of Remote Sensing" by Rathod Ravinder, Asst. Professor, GRIET, Hyderabad on 29.10.2021, conducted by Dept. of Civil Engg., GMR Institute of Technology. (Attendees' IV year students-37).
- Total 41 students (IV year) attended online Guest Lecture on "Open-Source geospatial tools" by B Sachin Kumar, Project Scientist, NIRDPR, Hyderabad on 30-10-21, conducted by Dept. of Civil Engg., GMR Institute of Technology.
- Total 19 students (III year) attended "Awareness Session on CODE CHEF", Mr. Phani babu, Assistant Professor, Department of Computer Science, GMRIT, on 26.10.21.
- Dr. A. Siva Sangari & Dr. Balajee Maram submitted the funding project title "Big Data Processing Technologies for Smart Agriculture" amount Rs.29845 submitted on 30-09-2021.
- II year Students attended "Anti-drug Abuse Awareness campaign" program by Shri Amit Bardar, IPS, Superintendent of Police, Srikakulam on 08.10.2021 by 11.00 AM at Auditorium.

- R. Gokulan, J Raja Murugadoss, S. Praveen, J. Jegan, "Water - Conventional and Novel Treatment Methods", Solar Driven Water Treatment, 1st Edition, Elsevier Book Chapter, Academic Press. 26th October 2021 (Paperback ISBN: 9780323909914; eBook ISBN: 9780323900034)
- Nalinipriya, G. Geetha, M. Cristin, R. Maram, B. "Biomedical data mining for improved clinical Diagnosis. In Artificial Intelligence in Data Mining", Academic Press: London, UK, 2021 (Elsevier)
- Students of 2nd year and 3rd Year of Chemical Engineering Department were taken to Industry visit to Nagarjuna Agro Chemicals Limited on 6.11.21.
- Guest Lecture on "Introduction to HAM Radio VHF and UHF Communications" on 09-11-2021 by Mr. S.Ram Mohan, Exec, Vice Chairman & Director, NIAR, Hyderabad.
- Guest lecture on "What are the major challenges of engineering education in India and how should we address them?" for final year students by Prof. K.Hemachandra Reddy, APSCHE Chairman on 10-12-2021 at 2.50 PM, Auditorium
- Dr. T. Prabhakar & Dr.A.Sivasangari submitted the funding project title Development of an AI based algorithm for classification of Land use and Land Cover (LULC) Images from Drone System under agency DST/SERB/CRG amount 40.93 submission on 14-12-21
- Dr. P. Ravi Kumar & T V S Divakar submitted the funding project title Design and Development of high Bandwidth wearable antennas for Wireless Body Area Network in 5G/6G communications under agency CRG amount 5036400 submission on 13-12-21
- Dr S P Sekhara Rao, One Week National Faculty Development Program (FDP) on "Enhancing Teaching and Learning Skills through Acquisition of English Language" organized by the Internal Quality Assurance Cell (IQAC) and the Department of English, Govt D.S.V. Sanskrit College, Raipur (Chhattisgarh) from 13th to 18th September 2021.
- Deepshikha Datta, Aditya Shetty and Bimal Das, "Comparative analysis of the quantity and quality of both synthetic and biodegradable films on kitchen waste" in the International Chemical Engineering Conference 2021 organized by Department of Chemical Engineering Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, September 16 to 19, 2021. (Scopus indexed).
- Sayantan Sarkar, Somnath Chowdhury, Deepshikha Datta, Bimal Das, "Comprehensive analysis of reclamation of spent lubricating oil using green solvent - RSM and ANN approach", in the International Chemical Engineering Conference 2021 organized by Department of Chemical Engineering Dr. B.R. Ambedkar National Institute of Technology, Jalandhar September 16 to 19, 2021. (Scopus indexed).
- N. V. A. Ravikumar, Vasupalli Manoj, N. S. S. Ramakrishna, "A Linear Quadratic Integral Regulator for a Variable Speed Wind Turbine", 1st International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2021), Department of Electrical Engineering, NIT Meghalaya, Shillong, India, 24/09/2021(Indexed in : Scopus)
- N S S Ramakrishna, T.S L V Ayyarao, Vasupalli Manoj, L.Dinesh, "Model Predictive Control for Load Frequency Regulation in Power Systems Using a Disturbance Observer", 1st International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2021), National Institute of Technology Meghalaya, Shillong, India, 24/09/2021 (Indexed in : Scopus)
- Damala Rajesh Babu, Rajesh kumar Patnaik, Dual Axis Solar Tracking with Weather Monitoring System by using IR and LDR Sensors with Arduino UNO", Virtual International Technical Conference on Control in Electric vehicles and Smart grid with Renewable Energy Synergies for sustainable development" (VIT-CES-RES 2021), Vellore Institute of Technology (VIT),10-8-2021(Indexed in : Scopus)
- T. Daniya, S. Aluri, S. Velliangiri and R. Cristin, "Copy-Move Forgery Detection in Videos Using Machine Learning Algorithm," 2nd International Conference on Smart Electronics and Communication (ICOSEC), 07-09 October, Kongunadu College of Engineering and Technology, 2021, pp. 1502-1506
- K. Praghash, Ch. Vidyadhari, G. NirmalaPriya, Rajan Cristin "Secure information hiding using LSB features in an image, Materials Today: Proceedings, Emerging Trends in Materials Science, Technology and Engineering, Syed Ammal Engineering College, 2021

Academic Achievements

Technical Paper Publication in Conferences

- D. Srinivasa Rao, V. Berlin Hency", "Performance evaluation of congestion aware transmission opportunity scheduling for 802.11 WLANs", Elsevier International Journal of Intelligent Networks, Vol.no.2, Issue No.1, pp 34-41, April 2021. (ISSN No. :2666-6030)(Indexe in :DOAJ).
- S.SRI DURGA KAMESWARI, V VIJAYAKUMAR, "A Taxonomy on Breast Cancer Analysis using Neural Networks", 6th International Conference on Micro-Electronics, Electromagnetics and Telecommunications. ICMEET - 2021, Bhubaneswar Engineering College, Bhubaneswar, Odisha, India
- Telagarapu Prabhakar, Padmavathi Kora, A Sudhakar, "Nearest Neighbor Classification of Remote Sensing Images with the Statistical features and PCA based features", 6th International Conference on Micro-Electronics, Electromagnetics and Telecommunications. ICMEET - 2021, Bhubaneswar Engineering College, Bhubaneswar, Odisha, India

- K. Suresh Kumar, Ch. Mohan Kumar, B. Santhosh Kumar, R. Cristin "Highly imperceptible data hiding technique using MSB in the grayscale image", Materials Today: Proceedings, Emerging Trends in Materials Science, Technology and Engineering, Syed Ammal Engineering College, 2021
- Vinod Babu Chintada, Sasidhar Gurugubelli and Sudhakar Uppada, "Review on Materials and Method Used to Develop Antimicrobial Coatings in Medical and Food Processing Industry", Recent Advances in Manufacturing, Automation, Design and Energy Technologies, Proceedings from ICOFT 2020, Lecture Notes in Mechanical Engineering, Springer Nature Singapore Pte Ltd. 2022. Pp. 57-63. (Indexed by SCOPUS) https://doi.org/10.1007/978-981-16-4222-7_7
- Fathimunnisa Begum, Sasidhar Gurugubelli and N. Ravi Kumar, "Observational Exposition of Metal Matrix Composite Aluminum 6069 (Al) Fraction Variance Strengthened with Molybdenum (Mo) and Coconut Shell Ash (CSA)", Recent Advances in Manufacturing, Automation, Design and Energy Technologies, Proceedings from ICOFT 2020, Lecture Notes in Mechanical Engineering, Springer Nature Singapore Pte Ltd. 2022. Pp. 105-113. (Indexed by SCOPUS) https://doi.org/10.1007/978-981-16-4222-7_12
- Vykunta Rao, M., Raju Bahubalendruni, M. V. A., & Chintada, V. B. (2022). "General Regression Neural Network-Based Frame Work for the Evaluation of Ultimate Tensile Strength of Vibratory-Assisted Welded Joints", Recent Advances in Manufacturing, Automation, Design and Energy Technologies, pp. 173-180, Springer, Singapore
- **N.V.Lalitha**, Gulivindala Suresh Multiple Feature-Based Tomato Plant Leaf Disease Classification using SVM Classifier, 3rd International Conference on Machine Learning, Image Processing, Network Security and Data Sciences, (11-12-2021) NIT Raipur, Raipur.
- **Gulivindala Suresh**, N.V.Lalitha, Aditya Kumar Sahu Machine Learning Based Method for Recognition of Paddy Leaf Diseases, International Conference on Computational intelligence and Sustainable Technologies (28-10-2021), NIT Silchar & NIT Sikkim, Silchar
- IF:7.963,Q1,<https://www.sciencedirect.com/science/article/abs/pii/S0048969721053134>, Doi:<https://doi.org/10.1016/j.scitotenv.2021.150236>
- R. Gokulan, S.Pradeepkumar, and G. Elias, "Continuous Sorption of Remazol Brilliant Orange 3R Using *Caulerpa scalpelliformis* Biochar", Advance in Materials sciences and Engineering, Vol. 2021, Article ID 6397137, pp 1-7, 03rd September 2021. (Indexed by Scopus & SCI, IF: 1.76, Q4) (ISSN No: 1687-8434) <https://doi.org/10.1155/2021/6397137>
- Pandi Vijayakumar, Maria Azees, Sergei A Kozlov, Joel JPC Rodrigues, "An Anonymous Batch Authentication and Key Exchange Protocols for 6G Enabled VANETs", IEEE Transactions on Intelligent Transportation Systems, vol 0, no. 0. PP.1-9, August 2021 (Indexed by SCI, IF:6.492, Q1, <https://ieeexplore.ieee.org/abstract/document/9507051>)
- Subramani Jegadeesan, Mohammad S Obaidat, Pandi Vijayakumar, Maria Azees, Marimuthu Karuppiah, "Efficient privacy-preserving anonymous authentication scheme for human predictive online education system", Cluster Computing, vol 0, no. 0. PP.1-15, September 2021 (Indexed by SCI, IF:1.809, Q3, <https://doi.org/10.1007/s10586-021-03390-5>)
- Guntu Nooka Raju, "Multi User Detection For FD-MC-CDMA system In Presence Of CFO Using Fuzzy Logic Based Adaptive Genetic Algorithm", AMA, Agricultural Mechanization in Asia, Africa and Latin America, vol 51, no. 1. PP.1291-97, June 2021 (Indexed by SCIE, IF: 0.232, Q4, <https://www.shin-norinco.com/volume/AMA/51/01/multi-user-detection-for-fd-mc-cdma-system-in-presence-of-cfo-using-fuzzy-logic-based-adaptive-genetic-algorithm-124db148364e.pdf>)
- A. Sudhakar, M Satyanarayana, M Sunil Prakash, "Quad Band Circularly Polarized Ring Dielectric Resonator Antenna for ISM/WLAN Applications", International Journal of Microwave and Optical Technology, vol 16, no. 5. PP.528-535, September 2021 (Indexed by Scopus, IF:0.52, Q4, <https://www.ijmot.com/VOL-16-NO-5.aspx>)
- Geetamma Tummalapalli, Venkatasainath Bondada, Babji Prasad Chapa, "A Robust and Scale-Invariant Computer Vision Based Method for Corrosion Identification", AMA, Agricultural Mechanization in Asia, Africa and Latin America, vol 51, no. 1. PP. 1277-89, June 2021 (Indexed by SCIE, IF:0.232, Q4, <https://www.shin-norinco.com/article/a-robust-and-scale-invariant-computer-vision-based-method-for-corrosion-identification>)
- Ramakrishna S. S. Nuvvula , Devaraj Elangovan , Kishore Srinivasa Teegala, Rajvikram Madurai Elavarasan, Md. Rabiul Islam and Ravikiran Inapakurthi, "Optimal Sizing of Battery-Integrated Hybrid Renewable Energy Sources with Ramp Rate Limitations on a Grid Using ALA-QPSO", Energies , Vol. No. 14, Issue No. 5368, pp. 1-23,

Published in Journals

- Sujatha Sivarethnamohan, Joga Rao Hanumanthu, Kalyani Gaddam, Gokulan Ravindiran, Avinash Alagumalai "Towards sustainable biodiesel production by solar intensification of waste cooking oil and engine parameter assessment studies", Science of the Total Environment, [vol 804](#), 150236, September 2021, (Indexed by SCI,

- September 2021. (ISSN No.) [Indexed by SCI, Impact factor: 2.702, Q2, <https://www.mdpi.com/1996-1073/14/17/5368/html>]
- D.V.N. Ananth, Lagudu Venkata Suresh Kumar, T S Gorripotu and Ahmad Taher Azar, " Design of a fuzzy Logic Controller for Short term load forecasting with randomly varying load", International Journal of sociotechnology and Knowledge Development, Vol.No.13, Issue No. 4, pp 1-18, 2021.(ISSN No.:1941-6253) [Indexed by Scopus, Q3, <https://www.igi-global.com/gateway/article/288721#pnlRecommendationForm>] (DOI: 10.4018/IJSKD.2021100103)
 - M. Rambabu, G.V. Nagesh Kumar, Polamraju V.S. Sobhan, "Optimal power flow with renewable energy resources using static VAR compensator and grey wolf optimisation", International Journal of Intelligent Enterprise, Inderscience publications, pp.1-13, August 2021 [Indexed by SCOPUS, Q4, <http://dx.doi.org/10.1504/IJE.2021.10039763>]
 - M.Rambabu, G.V.Nagesh Kumar, B.Venkateswara Rao, B Sravana Kumar "Optimal power flow solution of an Integrated Power System using Elephant Herd Optimization Algorithm incorporating stochastic wind and solar power" Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Taylor & Francis publications, pp-1-21, August 2021 [Indexed by SCIE, Scopus, Q2, Impact factor 1.184 , <https://doi.org/10.1080/15567036.2021.1972059>]
 - G Chandra Sekhar, "Fault detection of PV system by using Artificial intelligence and Machine learning", Design Engineering, Vol. No. 2021, Issue No. 7, pp. 10855-10878, Sep 2021. (ISSN No.0011-9673) [Indexed by Scopus, <http://www.thedesignengineering.com/index.php/DE/article/view/4088>]
 - V Prasad, D Siva Krishna, "Identification, Retrieval and Validation of Aadhar Data using Behavioral Continuous Authentication of Finger Print", Journal of Chengdu University of Technology (Science and Technology Edition), Volume 6, Issue 08, Pp 1-10, August 2021 (Indexed by SCOPUS, IF:0.27, Q3, <https://app.box.com/s/e2m5qrrlpzopp6aof87vf3b4b417y5gn>)
 - P G Om Prakash, Dr Balajee Maram, Dr G Nalinipriya, Dr R Cristin, "Harmony Search Hawks Optimization-based Deep Reinforcement Learning for intrusion detection in IoT using non-negative matrix factorization", International Journal of Wavelets, Multiresolution and Information Processing, Vol.19, No.4, pp. 2050093-1 to 2050093-24, Aug-2021. (Indexed by SCIE with IF:1.408,Q3, <https://www.worldscientific.com/doi/abs/10.1142/So219691320500939>)
 - Dr Suneetha Merugula , Dr Balajee Maram , Karri n v s sai santosh reddy, " Detecting Replica threads in online Q/A FORMS" Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 3, July 2021: 5129-5139.(Scopus). <https://www.tojqi.net/index.php/journal/article/view/2405/1552>.
 - Abhisek Sethy, Dr. Ajit Kumar Raut, "EMPLOYEE ATTRITION RATE PREDICTION USING MACHINE LEARNING APPROACH", Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651-4451 | e-ISSN 2651-446X(Scopus,Wos).(<https://turkjphysiotherrehabil.org/pub/32-3.html>)
 - Dr.Ajit Kumar Rout, AbhisekSethy, "Self-Adaptive Social Spider Algorithm optimization for Solving Travelling Salesman Problem", Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 7, July 2021: 3577-3588.
 - Gummaluri Venkata Surya Subrahmanya Sharma, Chilamkurti Lakshmi Venkata Ranga Sobhanachala Vara Prasad, Velamala Rambabu, "Online machine drawing pedagogy—A knowledge management perspective through maker education in the COVID-19 pandemic era", Knowledge and Process Management, 2021 (ISSN No.: 1099-1441) (Indexed in: Scopus) (Impact Factor: No. Impact Factor) (<https://onlinelibrary.wiley.com/doi/epdf/10.1002/kpm.1684>) SCIMago: Q3
 - Kakala Sanjeevarao, P.N.L. Pavani, Ch. Suresh, Pakanati Anil Kumar "Experimental investigation on VCR diesel engine fuelled with Al₂O₃ nanoparticles blended cottonseed biodiesel - diesel blends", Materials Today: Proceedings, 46, pp.301-306, (ISSN No.: 2214-7853) (Indexed in: Scopus) (Impact Factor: No. Impact Factor) (<https://www.sciencedirect.com/science/article/pii/S2214785320359046>) SCIMago: Not yet assigned quartile
 - Kumara Swamy, Swatmaram, Bipan Hazarika, Sumati Kumari, "Unique Common Tripled Fixed Point for Three Mappings in Gb-metric Spaces," Mathematics and Statistics, Vol.9, No.5, pp. 835-852, 2021. DOI: 10.13189/ms.2021.090524.
 - R.L. Kalyani, Sarath Chandra Veerla, K.V. Ramana Murthy, P.P.N.Vijaykumar, P.V. Swamy, S.V.N. Pammi*, Green synthesized copper oxide nanostructures for potential multifaceted biomedical applications, New J. Chem., Vol.45, Issue No.34 ,pp.15363-15370, July 2021. (ISSN: 1144-0546 (print) 1369-9261 (web)) (Indexed in: SCI and Scopus) (Impact Factor- 3.288) - <https://doi.org/10.1039/D1NJ01509E>
 - R.V.S.S.N. Ravikumar and Ravindranadh Koutavarapu, "Structural, optical, and luminescence properties of Ni²⁺-doped ZnO–CdS nanocomposite: synthesis and investigations for green light emission", Chemical Papers September 2021. (ISSN No.:2585-7290) (Indexed in: SCI and Scopus) (Impact Factor: 2.097) .(Q2) (<https://link.springer.com/article/10.1007%2F511696-021-01888-1>)

- Sumati Kumari Panda, Abdou Atangana, Juan J. Nieto., " New insights on novel coronavirus 2019-nCoV/SARS-CoV-2 modelling in the aspect of fractional derivatives and fixed points" Mathematical Biosciences and Engineering, 2021, Vol.18, Issue No.6, 8683-8726. (Indexed in: SCIE and SCOPUS) (ISSN: 1551-0018) (Impact Factor: 2.08).(Q2) [doi: 10.3934/mbe.2021430](https://doi.org/10.3934/mbe.2021430)
- Kumara Swamy, Swatmaram, Bipan Hazarika, Sumati Kumari, Unique Common Tripled Fixed Point for Three Mappings in Gb-metric Spaces, Mathematics and Statistics, Vol. No.9, Issue. No.5, Pp.835-852, September 2021 (Indexed in: SCOPUS) (ISSN: 2332-2144) (Impact Factor: 0.58) [DOI: 10.13189/ms.2021.090524](https://doi.org/10.13189/ms.2021.090524)
- Ramesh Karnati, Hanumantu Joga Rao, Om Prakash P. G., Balajee, "Deep computation model to the estimation of sulphur dioxide for plant health monitoring in IoT", International Journal of Intelligent System., 1-28, October, 2021 [Indexed by SCI , IF:8.709 , Q1(Artificial Intelligence)]DOI: <https://doi.org/10.1002/int.22653> <https://onlinelibrary.wiley.com/doi/epdf/10.1002/int.22653>
- R. Gokulan, S. Praveen, A. Avinash, S. Saravanan, "Soft computing-based models and decolorization of Reactive Yellow 81 using *Ulva Prolifera* biochar", Chemosphere, Vol. 287, Article ID 132368, pp 1-12, 28th September 2021. (Indexed by Scopus & SCI, IF: 7.08, Q1) (ISSN No: 0045-6535) <https://doi.org/10.1016/j.chemosphere.2021.132368>
- Rajesh, K.N., Raju, P.M. & Mishra, K., "Performance of Alkali-Activated Slag-based Concrete with Partial Replacement of Fine Aggregate by Used Foundry Sand", Journal of Building Pathology and Rehabilitation, Vol. No.6, Issue No. 1, pp.1-7, Article No. 33, 27th September 2021. (ISSN: 2365-3159) (Indexed in Scopus) (<https://doi.org/10.1007/s41024-021-00127-0>)
- Ravikumar Palla and Dattatreya Gopi, "Design of quad band microstrip patch antenna with slits and slots", International Journal of Advanced Technology and Engineering Exploration, vol 8, no. 82. PP. 1234-1242, Sept. 2021 (Indexed by Scopus, IF:6.492, Q4, <https://accentsjournals.org/PaperDirectory/Journal/IJATEE/2021/9/10.pdf>)
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- S. Ravi Babu, N.V.A Ravi Kumar, P. Ramesh Babu "Effect of moisture and sonication time on dielectric strength and heat transfer performance of transformer oil based Al₂O₃ nanofluid", International Journal of Advanced Technology and Engineering Exploration, Vol. 8, Issue 82, pp. 1222-1233, (ISSN No.: 2394-7454) (Indexed in: Scopus) (Impact Factor: No Impact Factor) (<https://accentsjournals.org/PaperDirectory/Journal/IJATEE/2021/9/9.pdf>) SCIMago: Not available
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 - Dr. L. Govinda Rao published a paper titled “Design of Sigmoid Architecture for Deep Learning Hardware Accelerators”, Name of the journal Design Engineering published date 44533 Volume No 2021 Issue No 08 page no 12413 - 12419 publisher JSW ISSN NO:0011-9342 Indexing SCOPUS impact factor 1.41
 - Dr. R. Arun Sekar published a paper titled “A comprehensive Survey on Security Issues in Vehicle to Grid networks”, Name of the journal Journal of Control and Decision published date 44593 Volume No 2021.2021113 Issue No 2022 page no 2022 publisher Taylor and Francis ISSN NO:Taylor and Francis Indexing Scopus/Sci
 - Dr. M. Azees published a paper titled “Cloud-Assisted Privacy-Preserving Method for Healthcare Using Adaptive Fractional Brain Storm Integrated Whale Optimization Algorithm”, Name of the journal Security and Communication Networks published date 44550 publisher Hindawi Indexing SCI impact factor 1.791

Workshops/Conference Attended

- Dr. A. Siva Sangari attended workshop title "Recent Trends in Nanotechnology & Signal Processing" duration 7 days duration from 23-08-21 to 29-08-21 at Dept.of ECE, GMRIT, Rajam
- Dr. G. Nooka Raju attended workshop title "Recent Trends in Nanotechnology & Signal Processing" duration 7 days duration from 23-08-21 to 29-08-21 at GMRIT
- Dr. TVS. Divakar attended workshop title "Recent Trends in Nanotechnology & Signal Processing" duration 7 days duration from 23-08-21 to 29-08-21 at GMRIT- RAJAM
- Dr. D. Srinivasa Rao attended workshop title "Architecture and Technologies for 5G and Beyond Wireless Networks" duration 5 days duration from 16-08-21 to 20-08-21 at IIT BHU Varanasi
- Dr. R. Arun Sekar attended workshop title "Cyber Security" duration 5 days duration from 24-08-21 to 28-08-21 at Institute of Engineering and Technology
- Dr. T. Prabhakar attended workshop title "Technology Insights on IoT, ML and Data Science" duration 11 days duration from 18-08-21 to 28-08-21 at Department of Artificial Intelligence and Data Science, SRM Easwari Engineering College, Ramapuram, Chennai.
- Sri. B.M.S Sreenivasa Rao attended Faculty Development Program on "Telemedicine" duration 5 days from 09-08-21 to 13-08-21 at National Institute of Technology Jamshedpur, online mode.
- Dr. R. Arun Sekar attended workshop title "Block Chain Technologies" duration 5 days duration from 06-09-21 to 10-09-21 at AICTE Training And Learning (ATAL) Academy, University College of Engineering (A) Kakinada JNTUK"
- Sri. B.M.S Sreenivasa Rao attended workshop title "Recent Trends in Nanotechnology & Signal Processing" duration 7 days duration from 23-08-21 to 29-08-21 at GMR Institute of Technology, Rajam, AP, India, Department of Electronics and Communication Engineering, GMR Institute of Technology, Rajam, AP, India,"
- Dr. R. Arun Sekar attended workshop title "Recent Trends in Nanotechnology & Signal Processing" duration 7 days duration from 23-08-21 to 29-08-21 at GMR institute of Technology
- Dr.G.Nooka Raju attended 7 weeks online course "Introduction to Semiconductor Devices 1" Coursera university completed on 27-08-21.
- Mr. Ch. Anil Kumar has successfully participated and completed a FDP Programme on Applications of Blockchain Technology and AI in Service Sector organized by Atal(AICTE Training and Learning) Academy at Acharya Bangalore B School during 20-09-2021 to 24-09-2021.
- Dr.K.Santa Rao, Sr.Asst. Professor attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Industrial Robots for Future Factories" from 13/09/2021 to 17/09/2021 at NATIONAL INSTITUTE OF TECHNOLOGY PUDUCHERRY.
- Suresh Dannana, G. Sasibhushana Rao "Design of spectral and energy efficient network in massive MIMO systems" International Conference on Wireless Communication (ICWiCOM), Organised by Department of Electronics and Telecommunication Engineering, D J Sanghvi College of Engineering, Mumbai, Maharashtra, India, 8th -9th October 2021.
- Telagarapu Prabhakar, Telagarapu Prabhakar, S Sri Durga Kameswari, A Sudhakar, "Pattern classification for Remote Sensing Images using Back Propagation Network" International Conference on Wireless Communication (ICWiCOM), Organised by Department of Electronics and Telecommunication Engineering, D J Sanghvi College of Engineering, Mumbai, Maharashtra, India, 8th -9th October 2021.
- A Sudhakar, M V Nageswara Rao, Telagarapu Prabhakar "Design of UWB Rectangular Microstrip Antenna with Defected Ground Structure to Detect Breast Cancer" International Conference on Wireless Communication (ICWiCOM), Organised by Department of Electronics and Telecommunication Engineering, D J Sanghvi College of Engineering, Mumbai, Maharashtra, India, 8th-9th October 2021.
- S Sri Durga Kameswari, Telagarapu Prabhakar, K Krishna Kishore, "Autonomous Pesticide Spraying Robot using SVM" International Conference on Wireless Communication (ICWiCOM), Organised by Department of Electronics and Telecommunication Engineering, D J Sanghvi College of Engineering, Mumbai, Maharashtra, India, 8th -9th October 2021
- B.M.S. Sreenivasa Rao, B.Rajasekar "A Single Port Dual-Polarized Microstrip-slot Antenna System for 5G Mid-band Frequencies" International Conference on Wireless Communication (ICWiCOM), Organised by Department of Electronics and Telecommunication Engineering, D J Sanghvi College of Engineering, Mumbai, Maharashtra, India, 8th -9th October 2021
- Dr Surya Narayan Dash have attended a webinar on Recycling-Solid Waste Management held on 16th September 2021 at the Department of Chemical Engineering AU College of Engineering, Andhra Pradesh, Visakhapatnam
- Dr. T. Prabhakar attended workshop title "National Workshop on Computational Intelligence and Blockchain Technology (CIBT-21)" 5 days duration from 04-10-21 to 08-10-21 at Department of Computer Science & Engineering at National Institute of Technology, Raipur, India.
- Dr. G.B.S. R.Naidu attended workshop title "Devices for modern wireless communication systems" 5 days duration from 20-09-21 to 24-09-21 at ATAL , central university, MP

- Dr. TVS. Divakar attended online course title "RF and Millimeter wave circuit Design" at courser EINDHOVEN UNIVERSITY OF TECHNOLOGY duration 6 weeks date of completion 21-09-2021.
- Sri. P.V. Murali krishana attended online course title "introduction to research at NPTEL", IIT Madras duration 8 weeks date of completion 30-04-2021
- Dr. G.B.S. R.Naidu attended online course title "Crash course on python" at Coursera Google duration 6 weeks date of completion 10-10-2021
- Mr. Abhisek Sethy, has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Machine Learning Algorithms for 5G Mobile Networks" from 04/10/2021 to 08/10/2021 at Indian Institute of Information Technology Design and Manufacturing Kancheepuram.
- Dr.P.N.L.Pavani attended AICTE Training and Learning (ATAL) Academy Online Learning Faculty Development Programme on "3D Printing and Design" from 25.10.2021 to 29.10.2021 University College of Engineering, Osmania University.
- N.V.Lalitha, Gulivindala Suresh Multiple Feature-Based Tomato Plant Leaf Disease Classification using SVM Classifier, 3rd International Conference on Machine Learning, Image Processing, Network Security and Data Sciences, (11-12-2021) NIT Raipur, Raipur.
- Gulivindala Suresh, N.V.Lalitha, Aditya Kumar Sahu Machine Learning Based Method for Recognition of Paddy Leaf Diseases, International Conference on Computational intelligence and Sustainable Technologies (28-10-2021), NIT Silchar & NIT Sikkim, Silchar
- Dr J. Venkata Suman attended 6 days workshop title AICTE- ISTE Induction / Refresher Programme on "FPGA for Low Power IoT" from 06-12-21 to 11-12-21 organized Department of ECE, SRM Valliammai Engineering College, SRM Nagar, Kattankulathur, Tamilnadu
- Dr. L. Govinda Rao attended 2 days workshop title International Conclave on ATMANIRBHAR BHARAT Role of New Education Policy from 04-12-21 to 05-12-21 organized VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE
- Dr. G. Suresh attended 3 days workshop title Recent advances in IoT and Machine Learning : Applications and Hands-on from 16-12-21 to 18-12-21 organized Raghu Engineering College, Visakhapatnam
- Dr. N.V. Lalitha attended 3 days workshop title Recent Trends in Underwater Communications from 25-11-21 to 27-11-21 organized SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN, Bhimavaram
- Dr. P. Ravi Kumar attended 5 days workshop title 5G Antenna Design Engineering from 06-12-21 to 10-12-21 organized Mailam Engineering College
- Dr K Dasunaidu attended a two day national E-Seminar on "Recent Advancements in Mathematics(RAM-

2021)", Organized by GITAM deemed to be University, Visakhapatnam from 20th & 21st December 2021.

- Dr P Sumati Kumari attended a two day national E-Seminar on "Recent Advancements in Mathematics(RAM-2021)", Organized by GITAM deemed to be University, Visakhapatnam from 20th & 21st December 2021.

Extra Curricular Activities

- 2 Number of Chemical students secured 3rd prize for technical presentation on Engineer's day on 15-September-2021, conducted by GMR Institute of Technology.
- 104 Number of students attended webinar "Simplifying Sustainability for all" on 24-Sep-2021, conducted by Indian Green Building Council (IGBC) in association with GMR Institute of Technology.
- GMRIT CSI Student Chapter organized an online competition on 14-09-2021 titled, "Technical presentation contest", with a total of 12 participants from various colleges.
- GMRIT ACM Student Chapter organized a monthly codeathon on 10-09-2020 titled, "Codeathon", with a total of 31 participants.
- GMRIT ACM- W Student Chapter organized an online quiz contest on 12-09-2020 titled, "SQL battle", with a total of 28 participants.
- N Manish (17341A05C2) had given a Telk Talk @ Vellore VIT on the topic "An Introduction to Career in Digital Security" on 03rd October 2021
- 5 Girl students from CSE had been shortlisted for Adobe SheCode Internship Hiring and attended Round on Oct 2021
- 111 no. of students have participated in Awareness Session on GDSC GMRIT conducted by Google Developer Student Club, GMRIT on 23.10.2021.
- 44 no. of student have participated and successfully completed training program on Session [o] Project Based Learning – GitHub conducted by Google Developer Student Club, GMRIT on 30.10.2021
- GMRIT ACM Student Chapter organized a workshop on 12-11-2021 titled, "ML Workshop follow-up", with a total of 25 participants.
- GMRIT ACM- W Student Chapter organized contest on 19-11-2021 titled, "Creative Era" , with a total of 87 participants.
- GMRIT ACM & CSI Student Chapter with Dept of CSE organized a codeathon on 20-11-2021 titled, "Codeathon", with a total of 230 participants.
- GMRIT ACM & ACM- W Student Chapter organized ACM Freshmen Induction and coordinator selection on 29-11-2021 titled, "Greenhorn'21" , with a total of 55 participants.

- M. Shushma bearing Roll Nr. 19341A0162 (3yr-B-Section), has registered a copyright on "Women Safety Weapon (dairy Number-6440/2021-CO/L)" .
- GMRIT ISTE-CSE Student Chapter organized a contest on 1-12-2021 and 6-12-2021 titled, "**Brain Tentacles**", with a total of 156 participants.
- GMRIT CSI student chapter organized a contest on 08-12-2021 titled "**Alpha Geek**" with a total of 147 participants.
- GMRIT ACM & ACM-W Student Chapters organized a Contest on 06-12-2021 titled, "**Coordinator Recruitment Drive**" with a total of 98 participants
- GMRIT ACM & ACM-W Student Chapters organized a Webinar on 12-12-2021 titled, "**Placement Experience Series -InfyTQ (Online)**" with a total of 274 participants
- GMRIT ACM & ACM-W Student Chapters organized a Seminar on 15-12-2021 titled, "**Placement Experience Series -InfyTQ (Offline)**" with a total of 118 participants
- GMRIT ACM & ACM-W Student Chapters organized a Workshop on 16-12-2021 titled, "**Web101**" with a total of 50 participants
- GMRIT ACM & ACM-W Student Chapters organized a Contest on 17-12-2021 titled, "**Clone It**" with a total of 23 participants
- GMRIT CSI student chapter organized a workshop on 18-12-2021 titled, "**Tips,tricks for competitive programming**" with a total of 35 participants.
- GMRIT ACM & ACM-W Student Chapters organized a Contest on 18-12-2021 titled, "**Codeathon (December '21)**" with a total of 69 participants
- GMRIT ACM & ACM-W Student Chapters organized a Workshop on 18-12-2021 titled, "**Hour of Code**" with a total of 150 participants
- GMRIT ACM & ACM-W Student Chapters organized Webinar on 19-12-2021 titled, "**Resume Building Tips**" with a total of 87 participants
- GMRIT ACM & ACM-W Student Chapters organized a Workshop on 20-12-2021 titled, "**How Internet Works**" with a total of 50 participants
- GMRIT ACM & ACM-W Student Chapters organized a Contest on 21-12-2021 titled, "**Pair Programming**" with a total of 38 participants
- NSS CSE Students organized a plantation program on 21.12.2021 on the eve of our Chief Minister Birthday Celebrations.
- GMRIT ACM & ACM-W Student Chapters organized a Webinar on 29-12-2021 titled, "**Careers in IT Industry**" with a total of 195 participants
- GMRIT ISTE-CSE Student Chapter organized a Workshop on 23-12-2021 titled, "**Public Speaking Workshop**", with a total of 31 participants.
- Sharon Kota, III CSE gained Gold Medal in Power Lifting Competitions, Inter-Collegiate Competitions organized by GMRIT in association with JNTU-k.
- Sharon Kota, III CSE gained Silver Medal in, 8th AP State senior Power Lifting championship organized by Sports authority of Andhra Pradesh.
- Sharon Kota, III CSE gained Bronze Medal in, 8th AP State Sub junior Power Lifting championship organized by Sports authority of Andhra Pradesh.
- V Poojitha (18341A05G5) is selected at JNTU-K., University level to participate in Inter Collegiate Yoga Competition.
- Second Year CSE Students team stood as Runner-Up in Robo-Soccer event organized by GMRIT Robot Club in association with ISTE, GMRIT and won Rs 8000 Cash Prize.
- M Dhattatreya, III CSE gained Gold Medal in Body Building and GYM Competitions, Inter-Collegiate Competitions organized by GMRIT in association with JNTU-k.
- K Gopala Krishna, III CSE gained Silver Medal in Body Building and GYM Competitions, Inter-Collegiate Competitions organized by GMRIT in association with JNTU-k.
- K Gopala Krishna, III CSE gained Bronze Medal in Weight Lifting Competitions, Inter-Collegiate Competitions organized by GMRIT in association with JNTU-k.
- Divya M, II CSE gained Silver Medal in Power Lifting Competitions, Inter-Collegiate Competitions organized by GMRIT in association with JNTU-k.
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- K Gopala Krishna, III CSE gained Bronze Medal in Weight Lifting Competitions, Inter-Collegiate Competitions organized by GMRIT in association with JNTU-k.

- Divya M, II CSE gained Silver Medal in Power Lifting Competitions, Inter-Collegiate Competitions organized by GMRIT in association with JNTU-k.
- ROBOTIC CLUB and IETE is going to conduct a workshop "INTRODUCTION TO ARDUINO AND WIRELESS BOT DESIGN" by Dr. K. Krishna Kishore" from 04-12-2021 to 06-12-2021 for Final Year students.

Training and Placement

- As on December 31st for 2020-21 outgoing batch
 - ❖ Total no of students :858
 - ❖ No of Eligible Students:651
 - ❖ No. of Students Placed: 489
 - ❖ No of Placement offers: 912
 - ❖ No. of companies visited: 45
 - ❖ Average annual CTC/Max CTC: 4.10/9.00
- For 2020-21 outgoing batch, out of 651 eligible students, 24 students not interested in placements
- As on December the following are the placement details of 2021 outgoing batch

Branch	Total Eligible	Offers	Placements
CE	88	49	37
CHE	15	15	10
CSE	151	310	143
ECE	149	254	133
EEE	78	83	52
IT	41	78	39
ME	129	113	75
Total	651	912	489

- 89 CSE Students are participating in Wipro Talent Nxt 2021 Program organized by the Internal Staff Dr V Sreeramurthy and Mr P Srinivasa Rao in association with Wipro. Till today 16 Hours Training is completed with 8 Sessions and Two Mock Tests.
- 81 CSE Students attending Offline Wipro Training Next Program from 01-14, Sep 2021.
- Webinar on Resume Building on 31.08.2021 by CDC for 174 Students.
- 81 CSE Students are participating in Wipro Talent Nxt 2021 Program organized by the Internal Staff Dr V Sreeramurthy and Mr P Srinivasa Rao in association with Wipro. Till today 39 Hours Training is completed
- Total 111 students attended offline "How to crack GATE" by Vishal Gupta (2020-2021 passed out), Alumni-GMRIT

- on 01-11-2021, conducted by Dept. of Civil Engg., GMR Institute of Technology.
- Total 142 participants (students + GMRIT Civil faculty), attended online career counseling session on "Overseas higher education& How to crack GRE, TOEFL and IELTS" by Vignesh Raman, University of Manchester, UK on 20-11-2021, organized by Dept. of Civil Engg., GMR Institute of Technology.
- Total 50 second year, section-B students, attended virtual career counseling on "Cracking GATE Exam for Civil Engineering" on 18-11-2021 (6.30 to 8.00 PM) conducted by Department of Civil Engineering and FORCE- Forum of Civil Engineering, Presidency University, Bangalore.
- Total 62 students attended webinar on "Scope of Civil Engineering in wind Energy", 90 minutes on 19-Nov-2021, conducted by Civil Engg. Dept., KPR Institute of Engineering and Technology.
- 190 students from IT Dept. have registered Microsoft Skilling Program.
- 158 CSE Students (2023 Passouts) registered for InfyTQ Contest organized by Infosys
- Total 2 students attended webinar on "cracking GATE Exam for Civil Engineers ", on 18-Nov-2021, conducted by Presidency University.
- Guest Lecture on "Amazon Interaction Session" by Dr. C L V R S V Prasad, Principal and Dr.J Girish ,Director GMRIT for the B.Tech 7th Sem students on 12th Nov,2021.
- Guest Lecture on "Road Show – Infosys InfyTq " by Dr. S N Das , Head – CDC and Mr.S H Srinivasa rao,Associate Manager for the B.Tech 7th Year students on 18th & 19th Nov,2021.
- Guest Lecture on "Wipro Interaction Session" by Mr.Lavanam, Head – Campus Recruitment,Wipro for the B.Tech 7th Sem students on 11th December,2021.
- 71 Final Years and 81 Third Years attended the Final Assessment of Wipro Nasscom Digital Certification exam on 11th and 12th Dec, 2021 on the subjects AI,BDA, Cloud and RPA.
- 189 Students registered for InfyTQ 2023 which is scheduled from Feb 6th to Feb 10th, 2021.
- 152 CSE Students had attended the Final Nasscom-Wipro Digital Certifications on 12.12.2021 organized by Wipro Pvt Ltd.,

EARLY PLACEMENT RECORD!!

GMRIT
Training Tomorrow's
Engineers Today

PLACEMENT SCORE 2022

PLACEMENT SCORE 2022

Placement Score 2022

856⁺⁺

Still Counting

BY STARTING OF 7TH SEMESTER !!