

GMRLT CAMPUS NEWS



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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 institution 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



- **India Today** : Ranked 76th out of 200 Engg. Colleges, June 2020.
- **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.
- **Out look – Icare**: Ranked 2nd in AP and 83rd in India's among the Top Engg.colleges, October 2020.

- **Careers 360-** Rated AAAA Top Engineering colleges(Across South Zone, October 2020).
- **The Week :** Ranked 110th among the Top Engg. Colleges and 80th among the Private Engg. Colleges in India and 45th in South Zone and 4th in AP, November 2020.
- **Data Quest CMR :** Ranked 38th among Top 100 Tech-enabled T-Schools across the country and 3rd in AP, December 2020.
- **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

- 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 scientist 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 (BlOT) 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 19th 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 24 Feb, 2021.

- Dr.T.Prabhakar attend Guest lecture on 24-02-2021 at Avanthi's St. Theresa 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 18, 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

- S.SatyaPrasad, V.Rambabu, S.Ravibabu, presented a paper titled "Experimental investigation of radiator heat transfer efficiency using Water + Ethylene Glycol based Al₂O₃, SiC nanofluids", IOP Conference Series: Materials Science and Engineering, ICMME 2020, Vol. 954, No.1, p. 012031 (ISSN No. 1757-899X) (Indexed in: Scopus) (<https://iopscience.iop.org/article/10.1088/1757-899X/954/1/012031/pdf>)
- M Karuppasamy Pandiyan, V Agnes Idhayaselvi, D Danalakshmi and A Sheela, presented a paper titled "Online estimation of control parameters of FACTS devices for ATC enhancement using artificial neural network", IOP Conference Series: Materials Science and Engineering, Vol. No. 1055, pp. 1-13, February 2021. (ISSN No.1757 899X) (Indexed in: Scopus) (<https://iopscience.iop.org/article/10.1088/1757-899X/1055/1/012146/meta>)
- S.P. Mishra, P. P. Padhi, J. Naik, P. K. Dash, L. N. Tripathy, M.H. Naeem, R Senapati, presented a paper titled "An efficient Robust Random Vector Functional Link network for Solar Irradiance, Power and Wind speed prediction", Odisha 1st International Conference on Electrical Power Engineering, Communication and Computing Technology (ODICON) 2021, Siksha O Anusandhan University, 8 January 2021. (Indexed in: Scopus)
- 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

Industry Applications (ICIMIA), Dayanand sagar college of Engineering, IEEE- Bangalore, 2020. (Indexed in: Scopus)

- P.Ravi Kumar presented a paper titled "Multiband Rectangular Microstrip Patch Antenna Operating at C, X & Ku Bands" Multimedia Processing, Communication and Information Technology-MPCIT 2020 on 12-12-2020, J N N College of Engineering, Shivamogga.
- Ravi Kumar Jalli, Sthita Prajna Mishra, Jyotirmayee Naik, Priyansha Sharma, Rudranarayan Senapati, presented a paper titled "Prediction of Wind Speed with Optimized EMD based RVFLN", International Conference on Engineering in 4th Industrial Revolution, HYDCON-2020, CMR Institute of Technology, Hyderabad, 11/9/2020 (Indexed in: Scopus)
- Dr. M.Suneetha has presenting a paper at the International Conference on Artificial Intelligence nad Smart Systems (ICAIS 2021) entitle " Study of Block Chain Technology in Empowering the SME'S" organized by JCT College of Engineering and Technology, Coimbatore on 25-27th , March 2021.
- SatishMuppidi, Thammi Reddy K, presented a paper titled "Influenced Citation Analysis using Modified Word Movers Distance (MWMD)", 2020 IEEE India Council International Subsections Conference (INDISCON), Visakhapatnam, India, 2020, IEEE, pp. 303-308, doi: 10.1109/INDISCON50162.2020.00067.
- Priyansha Sharma, Swagat. Das, Rudranarayan Senapati, Sthita Prajna Mishra, Rajendra Narayan Senapati, presented a paper titled "Performance Evaluation of PV-SOFC Grid Integrated 3P3W System by UPQC with Sinusoidal Current Control Strategy at Constant Irradiance", International Conference on Engineering in 4th Industrial Revolution, HYDCON-2020, CMR Institute of Technology, Hyderabad, 11/9/2020 (Indexed in: Scopus)
- 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.
- Chintada Vinodbabu, G. Thirumala Rao, N. Bakthavatchala Reddy, and Grigory V. Zyryanov, "A review on magnetron sputter coatings", AIP conference proceedings, Volume 2280, Issue-1, ISSN:0094-243X, E-ISSN:1551-7616. (Indexed in : Scopus) (<https://aip.scitation.org/doi/10.1063/5.0018142>)
- Baba, M. Sai, and Pankaj Kumar. "Analysis of Inertance Pulse Tube Refrigerator using CFD." IOP Conference Series: Materials Science and Engineering, Vol. 954. No. 1. IOP Publishing, 2020. (ISSN No. 1757-8981), E-ISSN:1757-899X (Indexed in Scopus) (Impact Factor: 0.6)

(<https://iopscience.iop.org/article/10.1088/1757-899X/954/1/012049/meta>)

- 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 Sakthi 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.
- Dr.B.Santhoskumar, Asst.Prof delivered a guest lecture on "**Security issues in Blockchain Technology**"(23.11.2020) & "**Blockchain in Healthcare**"(26.11.2020) in the AICTE Sponsored Two Weeks online FDP-Phase I on "Ideas and Innovations in Blockchain Architecture, Technology and it's Research Applications"(16.11.2020 to 29.11.2020) organized by Syed Ammal Engineering College, Ramanathapuram
- P Srinivasa Rao, B Venkata Suresh, M Vykuntarao, P Govindarao, J Kalpana, "Vibratory Assisted Welding", in Kindle Direct Publishing (November 11, 2020) pp 1-93, (ISBN-13 : 979-8561124723) (ASIN : Bo8NDV8Y7K) (https://www.amazon.com/VIBRATORY-ASSISTED-WELDING-SRINIVASA-RAO/dp/Bo8NDV8Y7K/ref=sr_1_1?dchild=1&keywords=vibratory+assisted+welding+book&qid=1608531679&sr=8-1)

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).
- M. Kumar, S. Sujatha, R. Gokulan, A. Vijayakumar, S. Praveen, S. Elayaraja (2020), published a paper on "Prediction of RSM and ANN in the remediation of Remazol Brilliant Orange 3R using biochar derived from Ulva Lactuca", *Desalination and Water Treatment*, vol. 211, pp. 304-318, Jan 2021 (ISSN Print 1944-3994, ISSN Online 1944-3986), (Indexed in SCI) (Impact Factor: 1.32), DOI: <https://doi.org/10.5004/dwt.2021.26615>,
- Josephraj Jegan, Saravanan Praveen, Balasubramanian Muthu Kumar, Thillainayagam Bhagavathi Pushpa, Ravindran Gokulan , published a paper on "Statistical optimization of Basic Violet o3 removal by batch adsorption process using Box-Behnken design", *Desalination and Water Treatment*, vol. 209, pp. 379-391, Jan 2021 (ISSN Print 1944-3994, ISSN Online 1944-3986) (Indexed in SCI) (Impact Factor: 1.32), DOI: <https://doi.org/10.5004/dwt.2021.26495>
- R. Gokulan*, A. Vijayakumar, V. Rajesh Kumar and S. Praveen, published a paper on "Synthesis of biochar from

- waste seaweed biomass for remazol effluent treatment in batch and packed bed column", Nature, Environment and Pollution Technology, Vol. 19, No. 5, pp. 1931-1936. Jan 2021 (ISSN: 09726268(Print); ISSN: 2395.3454 (online)) (Indexed in Scopus), DOI: 10.46488/NEPT.2020.v19i05.017
- 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)
 - Kumar Madhu, Gokulan Ravindiran, Praveen Saravanan, Elayaraja Sellappan, (2020) published a paper on "Biodecolorization of Reactive Red 120 in batch and packed bed column using biochar derived from Ulva reticulata, Biomass Conversion and Biorefinery" doi.org/10.1007/s13399-020-01268-x(SCI).
 - A. Bhavani and Dr. Nageswara Rao Moparthi, published a paper on "SPEECH RECOGNITION USING THE NN", International Journal of Advanced Research in Engineering and Technology (IJARET), Volume 11, Issue 12, December 2020, pp. 2663-2671; ISSN Print: 0976-6480 and ISSN Online: 0976-6499; (Indexed in SCOPUS) Journal Impact Factor (2020):10.9475 Calculated by GIS (www.jifactor.com).
http://iaeme.com/MasterAdmi/Journal_uploads/IJARET/VOL_UME_11_ISSUE_12/IJARET_11_12_251.pdf
 - K Lakshmanarao, Rodda, S. and Chilukuri, S. (2021) published a paper on "On the convergence and optimality of the firefly algorithm for opportunistic spectrum access", Int. J. Advanced Intelligence Paradigms, Vol. 18, No. 2, pp.119-133. (<http://www.inderscience.com/offer.php?id=111044>)(DOI:10.1504/IJCI STUDIES.2020.111044)
 - K Lakshmanarao and Hima Bindu Maringanti, published a paper on "Ibpakde: identity-based pairing free authenticated key and data exchange protocol for wireless sensor networks", International Journal of Computational Intelligence Studies, Vol. No.9, Issue No.4, pp 320-335, 2020.(Indexed in:Scopus)
 - Hemanthakumar Chappa, Tripta Thakur, "Validation of real time novel voltage instability detection index using real time digital simulator", Intelligent Computing in Control and Communication, Vol. No. 702, pp. 373-383, January 2021. (ISSN No.978-981-15-8439-8) (Indexed in: Scopus) (https://link.springer.com/chapter/10.1007/978-981-15-8439-8_30)
 - Pamila Ramesh, Vasanthi Padmanabhan, Praveen Saravanan & Bhagavathi Pushpa Thillainayagam published a paper on "Batch studies of turquoise blue dye (TB) adsorption onto activated carbon prepared from low-cost adsorbents: an ANN approach" Biomass Conversion and Biorefinery, February 2021, (Impact Factor: 2.602) <https://doi.org/10.1007/s13399-021-01355-7>.(SCI)
 - Mani Radha, Sellappa Kanmani, Thillainayagam Bhagavathi Pushpa & Saravanan Praveen published a paper on "Synthesis and characterization of MWCNT-supported iron phthalocyanine catalyst for the treatment of wastepaper recycling mill wastewater using microbial fuel cell" Biomass Conversion and Biorefinery, February 2021, (Impact Factor: 2.602) <https://doi.org/10.1007/s13399-021-01331-1>. (SCI)
 - K. Naga Rajesh, P. Markandeya Raju, Kapileswar Mishra, Pavan Kumar Madiseti, published a paper on "A Review on Sustainable Concrete Mix Proportions," IOP Conf. Series: Materials Science and Engineering, Vol. 1025, 012019, doi:10.1088/1757-899X/1025/1/012019. (Scopus).
 - Priyadarshini, M., Giri, J.P. and Patnaik, M., 2021. published a paper on "Variability in the Compressive Strength of Non-Conventional Bricks Containing Agro and Industrial Waste". Case Studies in Construction Materials, Vol.14,p.e00506. <https://doi.org/10.1016/j.cscm.2021.e00506>. (SCI)
 - Mariappan Navaneethakrishnan ,Subbiah Vairamuthu ,Govindaswamy Parthasarathy ,Rajan Cristin published a paper on "Atom search Jaya- based deep recurrent neural network for liver cancer detection", IET Image Processing, Volume 15, Issue 2, pp. 337-349, February 2020,(SCI Indexed).(ImpactFactor:1.995) (<https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/ipr2.12019>)
 - Monalisa Sahu, Neelamadhab Padhi, Sasanko Sekhar Gantayat, Aditya Kumar Sahu, published a paper on "Shadow image based reversible data hiding using addition and subtraction logic on the LSB planes", Sensing and Imaging, Vol. 22, Issue.7, Springer Nature, February 2021 (ISSN: 1557-2064) (Indexed in: Scopus and ESCI) (ImpactFactor:0.32) (<https://link.springer.com/article/10.1007/s11220-020-00328-w>)
 - SatishMuppidi, SatyaKeerthiGorripati, and Kishore B., published a paper on "An Approach for Bibliographic Citation Sentiment Analysis Using Deep Learning",International Journal of Knowledge-based and Intelligent Engineering Systems, Volume 24, issue 4, PP: 353 - 362, Jan. 2021.(ISSN No: 1327-2314), (Indexedin:Scopus) (<https://content.iospress.com/articles/international-journal-of-knowledge-based-and-intelligent-engineering-systems/kes200087>).
 - Kalabarige, L.R., Rodda, S. and Chilukuri, S. published a paper on "On the convergence and optimality of the firefly algorithm for opportunistic spectrum access", Int. J. Advanced Intelligence Paradigms, Vol. 18, No. 2, pp.119-133,2020.(Indexed in : Scopus) (<http://www.inderscience.com/offer.php?id=111044>)
 - T.S.L.V.Ayyarao and I.Ravi Kiran, published a paper on "A Two-Stage Kalman Filter for Cyber-Attack Detection in Automatic Generation Control System", Journal of Modern Power Systems and Clean Energy, Early Access, February,

2021. (ISSN No.2196-5420) (Indexed in: **SCIE**) (Impact factor: 3.09) (10.35833/MPCE.2019.000119)
- Dhowmya Bhatt, Danalakshmi D, A. Hariharasudan, published a paper on Marcin Lis and Marlena Grabowska, "Forecasting of Energy Demands for Smart Home Applications", *Energies*, Vol. No. 14, Issue No. 4, pp. 1045-1064, February 2021. (ISSN No.1996-1073) (Indexed in: **SCIE**) (Impact factor: 2.702) (<https://www.mdpi.com/1996-1073/14/4/1045>)
 - M. Premkumar, Pradeep Jangir, R. Sowmya, published a paper on "MOGBO: A New Multiobjective Gradient-Based Optimizer for Real-World Structural Optimization Problems", *Knowledge-Based Systems*, Article in press, February 2021. (ISSN No.0950-7051) (Indexed in: **SCIE**) (Impact factor: 5.921) (<https://doi.org/10.1016/j.knosys.2021.106856>)
 - M. Premkumar, Pradeep Jangir, R. Sowmya, M.E. Rajvikram, B. Santhosh Kumar, published a paper on "Enhanced Chaotic JAYA Algorithm for Parameter Estimation of Photovoltaic Cell/Modules", *ISA Transactions*, Article in press, January 2021. (ISSN No.0019-0578) (Indexed in: **SCIE**) (Impact factor: 4.305) (<https://doi.org/10.1016/j.isatra.2021.01.045>)
 - M. Premkumar, R. Sowmya, Pradeep Jangir, Kottakkaran Sooppy Nisar, Mujahed Aldhaifallah, published a paper on "A New Metaheuristic Optimization Algorithms for Brushless Direct Current Wheel Motor Design Problem", *Computers, Materials & Continua*, Vol. No. 67, Issue No. 2, pp. 2227-2242, February 2021. (ISSN No.1546-2218) (Indexed in: **SCIE**) (Impact factor: 4.89) (doi:10.32604/cmc.2021.015565)
 - Vinay Sai Kumar Devarapu, S. Ranganathan, published a paper on "Numerical Model and Simulation of Photovoltaic Cell Heat Transfer Performance Integrated with PCM", Shankar S., Rajeshkumar G. (eds) *Materials, Design, and Manufacturing for Sustainable Environment. Lecture Notes in Mechanical Engineering*. Springer, Singapore. https://doi.org/10.1007/978-981-15-9809-8_43, (ISSN:2195-4356) (7th Feb 2021) (Indexed in Scopus) (https://link.springer.com/chapter/10.1007/978-981-15-9809-8_43)
 - Vijin Prabhu A., Sivaram A.R., Prabhu N., Sundaramahalingam A., "A study of enhancing the biogas production in anaerobic digestion", *Materials Today: Proceedings*, 2021, (ISSN No.: 2214-7853) (13th Feb 2021) (Indexed in: Scopus) (<https://www.sciencedirect.com/science/article/pii/S2214785320407278>)
 - Nazrul Islam Khan, Sudipta Halder, "Self-healing fibre-reinforced polymer composites for their potential structural applications", *Self-Healing Polymer-Based Systems*, Elsevier, Chapter 15, DOI:<https://doi.org/10.1016/B978-0-12-818450-9-00015-5>, pp. 455-472, Elsevier Publications, (Indexed in Scopus) (https://www.researchgate.net/profile/Nazrul-Khan/publication/343028952_Self-healing_fiber-reinforced_polymer_composites_for_their_potential_structural_applications/links/5fc712bc45851568d1323c06/Self-healing-fiber-reinforced-polymer-composites-for-their-potential-structural-applications.pdf)
 - M. Lenin Sundar*, G. Kalyani, R Gokulan*, S. Ragunath, H. Joga Rao, (2021), "Comparative adsorptive removal of Reactive Red 120 using RSM and ANFIS models in batch and packed bed column", *Biomass Conversion and Biorefinery*, March 2021. (ISSN No: 190-6815 (Indexed in SCI) (Impact Factor: 2.68) (<https://doi.org/10.1007/s13399-021-01444-7>)
 - Saravanan Praveen, Josephraj Jegan, Thillainayagam Bhagavathi Pushpa, Ravindiran Gokulan, (2021), published a paper on "Evaluation of the adsorptive removal of cationic dyes by greening biochar derived from agricultural bio-waste of rice husk", *Biomass Conversion and Biorefinery*, March 2021. (ISSN No: 190-6815 (Indexed in SCI) (Impact Factor: 2.68) (<https://doi.org/10.1007/s13399-021-01415-y>)
 - Saravanan Praveen, Josephraj Jegan, Thillainayagam Bhagavathi Pushpa, Ravindiran Gokulan, (2021) published a paper on, Artificial Neural Network Modelling for Biodecolorization of Basic Violet 03 from aqueous solution by biochar derived from agro-bio waste of groundnut hull: Kinetics and Thermodynamics, *Chemosphere*, March 2021. (ISSN No: 045-6535) (Indexed in SCI) (Impact Factor: 5.77) (<https://doi.org/10.1016/j.chemosphere.2021.130191>)
 - Nagaraju P, Nagamalleswara Rao N, published a paper on "OB-MECC: An Efficient Confidentiality and Security Enhancement for Cloud Storage System", *Journal of Cyber Security and Mobility*, Vol. No.9, Issue No.4, pp 577-600, Feb 2021. (ISSN No.:2245-4578)(Indexed in:Scopus)(Impact Factor:0.45) <https://journals.riverpublishers.com/index.php/JCSANDM/article/view/4997/5093>
 - Aditya Kumar Sahu, Gandharba Swain, Monalisa Sahu, J. Hemalatha. published a paper on Multi-directional block based PVD and modulus function image steganography to avoid FOBP and IEP. *Journal of Information Security and Applications*, 58, 102808, March 2021, Impact factor:2.32, ISSN: 2214-2126, (Indexed in: SCI and Scopus) <https://www.sciencedirect.com/science/article/abs/pii/S221421262100048X>
 - Ramachandra Majji, Ponnusamy Gnanaprakasam Om Prakash, Rajan Cristin, Govindaswamy Parthasarathy, published a paper on " Social bat optimisation dependent deep stacked auto-encoder for skin cancer detection", *IET Image Processing*, Vol.14 Issue.16, December 2020, ISSN: 1751-9659 (Indexed in: SCI and Scopus) <https://digital-library.theiet.org/content/journals/10.1049/iet-ipr.2020.0318>.
 - Santhosh Kumar, B., Karthik, S. & Cristin, R. published a paper on "Certain Investigations on Privacy-Preserving Data Mining Using Three-Dimensional Spin Revolution

(3DSR) Scheme." J. Inst. Eng. India Ser. B Vol.102, Issue.2, pp 387-402, February 2021. (Indexed in: Scopus) <https://doi.org/10.1007/s40031-021-00545-1>

Workshops/Conference Attended

- M. Priyadarshini and J. P. Giri, attended a workshop on "Utilization of Sugarcane Bagasse Ash for the Stabilization of Pavement Subgrade: A Probabilistic Approach", 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,
- 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'" 21-25 Jan 2021, organized By Dept of ECE, Siksha'O'Anusandhan Deemed to be University, Bhubaneswar.
- 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,
- Ms. T.Daniya has participated & completed successfully five days AICTE Training and Learning (ATAL) Academy sponsored, Online Faculty Development Program (FDP) on " Augmented Reality (AR)/ Virtual Reality (VR) " from 4th -8th January 2021, at Narasaraopeta Engineering College
- A One week online ATAL FDP on "3D Printing and Design" during 18-22, January 2021 conducted by PSG College of Technology, Coimbatore, Tamilnadu.
- Dr. G. Anantha Rao attended course Creative thinking: techniques and tools for success Coursera Imperial College London 4 weeks completed on 21-01-2021
- Dr. N.V. Lalitha attended course High Performance Collaboration: Leadership, Teamwork, and Negotiation Coursera Northwestern University 3 weeks completed on 21-01-2021
- Sri. G. Suresh attended course High Performance Collaboration: Leadership, Teamwork, and Negotiation Coursera Northwestern University 4 weeks completed on 21-01-2021
- Dr. Ravi Shankar Saxena attended course Big Data Capstone project Coursera UCSanDiego 6 weeks completed on 25-01-2021
- Dr. T. Prabhakar attended course Critical Thinking Skills for University Success Coursera The University of Sydney 6 weeks completed on 25-01-2021
- Dr. T. Prabhakar attended course Information & Digital Literacy for University Success Coursera The University of Sydney 6 weeks completed on 27-01-2021
- Dr. P. Ravi Kumar attended course High Performance Collaboration: Leadership, Teamwork, and Negotiation coursera Northwestern University 4 weeks completed on 28-01-2021
- Sri. D Suresh attended course High Performance Collaboration: Leadership, Team work, and Negotiation Coursera Northwestern University 3 weeks completed on 29-01-2021
- Sri. G. Suresh attended course Creativity Toolkit II: Creative Collaboration Coursera Illionis unviersity 3 weeks completed on 30-01-2021
- Sri. M. Balakrishana attended course Creative thinking Coursera Coursera 4 weeks completed on 31-01-2021
- Sri. B.M.S Sreenivasa Rao attended course High Performance Collaboration: Leadership, Teamwork, and Negotiation Coursera NORTHWESTERN UNIVERSITY 3 weeks completed on 08-02-2021
- Dr. N.V. Lalitha attended course Creativity Toolkit II: Creative Collaboration Coursera University of Illinois at Urbana-Champaign 4 weeks completed on 10-02-2021
- Dr. G. Nooka Raju attended course Solar Energy Alison Alison 2 weeks completed on 11-02-2021
- Dr. Yogesh Mishra attended course Practical Introduction to Fuzzy Logic, Labview and Arduino Udemy Udemy 3 weeks completed on 12-02-2021
- Dr. Yogesh Mishra attended course Practical Introduction to Fuzzy Logic with Matlab Udemy Udemy 3 weeks completed on 12-02-2021

- 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 Coursera 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.Jagadesh, Mr.G.Sasidhar, Mr.B.S.Sagar, Mr.G.Dineshreddy, Mr.N.Govindarao attended 4hrs online work shop on "ML using Python" on 20th 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 1Week Faculty Development Progrmme 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 Colorada 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 2021.
- 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 "Adavanced 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 08.01.2021at 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 18th March to 23 rd 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 "Oriosity" 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 -01-2021, 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

| Branch | Total Eligible | Offers | Placements |
|--------|----------------|--------|------------|
| CE | 94 | 01 | 01 |
| CHE | 18 | 00 | 00 |
| CSE | 136 | 146 | 104 |
| ECE | 141 | 125 | 84 |
| EEE | 96 | 43 | 37 |
| IT | 39 | 29 | 26 |
| ME | 96 | 23 | 20 |
| PE | 11 | 02 | 01 |
| Total | 631 | 369 | 273 |

- 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.

