

NEWS LETTER OF GMRIT NITYAVIKASH

A PLATFORM FOR A CHANGE



VOLUME-17 ISSUE-2

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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



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GMR INSTITUTE OF TECHNOLOGY

An Autonomous Institute affiliated to JNTUGV

VIZIANAGARAM (DIST),532127

ANDHRA PRADESH

Achievements:

- GMRIT Ranked 2nd in AP and 33rd in India's Top 100 Private Engg. Institutes, by Education World for the year 2023.



- Ranked 3rd in AP and 25th among the Private Engineering colleges in the country, by Data Quest-CMR for the year 2023.



- Rated 'AAAA+' by Careers 360 and among the top 5 institutions in the state of AP that are graded AAAA+ June 2022.
- Ranked at 8th among the "Outstanding Engineering colleges of Excellence" CSR-GHRDC at the country level and ranked 3rd in the state of AP. June 2022.
- Positioned 2nd in AP and Ranked 73rd at the country level by India Today among the private engineering colleges, July 2022

- 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)
- Registered 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:

- Former Vice President of India Shri Venkaiah Naidu visited the campus on 18th April 2023 addressed the staff and students.



- Dr. A. Sivasangari, Asso.Professor, ECE is nominated as member for JNTUGV Women Empowerment and Grievances Cell.
- Shri. A.V. Dharma Reddy, Executive Officer, TTD Visited Balaji Temple, for Kainkaryam responsibilities handing over to TTD and he addressed the GMRIT students on 17th March 2023.
- Dr. I. Sreedhar, Professor, BITS Pilani -Hyderabad visited the campus and addressed the 3rd & 4th year students of Mechanical and chemical engg.

- Long standing awards were presented to all the staff those completed 10 years and 20 years of service at GMRIT on 19th April and 223 staff members received the awards.



- Annual Day was celebrated on 25th April 2023 and Dr. Prabhat Kumar, Retd IRS, Specialist in Artificial Intelligence and Emerging technologies, a Corporate Consultant & Advocate is the Chief guest and distinguished alumni, Mr. P. Ravi Kiran, Founder and CEO, GoLive Games Group Visakhapatnam is the guest of honour.



- Sports Day was celebrated on 25th April 2023 and Mr. B. Anil Kumar, Commonwealth Power Lifting Champion is the chief guest.
- Dr Y Aditya, Mathematics faculty from BS&H is awarded with NBHM project Grant worth of Rs. 16,61,900/- . The title of the project is “Anisotropic Holographic Dark Energy Models in Rastall Theories of Gravitation: Theoretical Features and Observational Constraints”
- Department of ECE conducted a five day FDP on “Design of High Frequency antennas for real time applications” (DHARA-2023)” in association with VR Siddhartha Engineering College -Vijayawada during 14th -18th March 2023.
- Guest lecture conducted for 3rd year students on higher studies by Mr. Akhil. K, Software developer at AMAZON, Seattle, USA on 2nd March 2023.
- Women’s day celebrations held on 8th March 2023. Dr. K. N. Satyamba, Casualty Medical Officer, GMR Varalakshmi Care Hospital is the Chief Guest.



- Guest Lecture on Build a Neuron from Scratch in JavaScript conducted by Mr. Mehar Ranjan Howji –Technical Delivery Manager – Accolite on 28th March, 2023 for B Tech 3rd & 4th year students.

- NSS team conducted 7 Days NSS Special Camp Programme at Munakalavalasa Village from 24th to 30th April 2023.

7 Days NSS Special Camp Programme at Munakalavalasa Village



- Department of ECE conducted Hardware Project EXPO on 18th March 2023.



- GMRIT – NSS Unit organized Blood Donation Camp in association with Indian Red Cross Society on 18th March 2023 and students donated 250 units.



- Dr Y Aditya, Mathematics faculty from BS&H, got NBHM project Grant of **Rs. 16,61,900/-**. The title of the project is “Anisotropic Holographic Dark Energy Models in Rastall Theories of Gravitation: Theoretical Features and Observational Constraints”
- Dr. M. Satish acted as a Session Chair of The International Conference on Innovation in Technology (INOCON) is technically Co-sponsored by IEEE Bangalore section in Sai Vidya Institute of Technology, Bangalore, and Karnataka, India. On behalf of the Technical Committee of IEEE co-sponsored INOCON held on 03.03.2023 to 05.03.2023.
- Dr. G.B.S. R. Naidu patent published title of “Life decease detection in crops using image processing and machine learning for agriculture applications “ patent No. 202341026339, Date of Publication 3/31/2023, Agency: Indian patent.
- Dr. Arun Kumar, Physical Director is nominated as Body Building Association District Secretary, Vizianagaram.
- A Five day FDP on Design Of High-frequency Antennas For Real-time Applications (DHARA-2023) jointly organized by Dept of ECE,GMRIT

and VR Siddhartha Engg college, Vijayawada during March 14th to 18th 2023

- Dept. of Mechanical Engineering organized One Week Online Faculty Development Programme On “Contemporary Advancements in Materials processing and characterization” April 24th –April 29th, 2023 in joint collaboration with Department of Mechanical NIT Warangal under the coordination of Dr. K. Santa Rao and Dr. Y.Shireesha.



Academic Achievements:

Technical Paper Publication in Conferences

- Srinadh V., et al. presented a paper on “Dual Image-Based High Quality Digital Image Watermarking”. In: Dash, R.N., Rathore, A.K., Khadkikar, V., Patel, R., Debnath, M. (eds) Smart Technologies for Power and Green Energy. Lecture Notes in Networks and Systems, vol 443. Springer, Singapore, 2023. https://doi.org/10.1007/978-981-19-2764-5_14
- Sahukari J, et al. presented a paper on “A Framework for Glaucoma Diagnosis Prediction Using Retinal Thickness Using Machine Learning.” In: Dash, R.N., Rathore, A.K., Khadkikar, V., Patel, R., Debnath, M. (eds) Smart Technologies for Power and Green Energy. Lecture Notes in Networks and Systems, vol 443. Springer, Singapore., 2023 https://doi.org/10.1007/978-981-19-2764-5_6
- Cristin, R, et al. presented a paper on “Design and Development of a Digital Preservation Voice Enabled Application for Cultural Heritage towards Fishing in Vernacular Language” Pervasive Computing and Social Networking. Lecture Notes in Networks and Systems, vol 475. Springer, Singapore, 2023. https://doi.org/10.1007/978-981-19-2840-6_23
- Sahu S, et al. presented a paper on “Analysis of Road Accidents Prediction and Interpretation Using KNN Classification Model”, Emerging Technologies in Data Mining and Information Security. Lecture Notes in Networks and Systems, vol 490. Springer, Singapore, 2023. https://doi.org/10.1007/978-981-19-4052-1_18
- Nirmalpriya G., et al. presented a paper on “ASCA-squeeze net: Aquila sine cosine algorithm enabled hybrid deep learning networks for digital image forgery detection”, Computers and Security, Vol.128,2023 [Indexed in: SCIE, IF: 5.101, Q1 Link : <https://www.sciencedirect.com/science/article/pii/S0167404823000652>]
- Perla S., et al. presented a paper on “A hybrid neural network and optimization algorithm for forecasting and trend detection of Forex market indices”, Decision Analytics Journal, Volume 6, March 2023, 100193 [Indexed in: SCOPUS, Q2 , Link : <https://www.sciencedirect.com/science/article/pii/S2772662223000334>]
- RK Patnaik, et al. presented a paper on "Transformerless high step-up DC–DC converter with voltage multiplier concept," AIP Conference Proceedings, AIP Publishing LLC, Vol. 2690, no. 1, p. 020043, Mar 24 2023.
- S. Sahu, et al. presented a paper on "A Study on Weather based Crop Prediction System using Big Data Analytics and Machine Learning," 2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT), Tirunelveli, India, 2023, pp. 794-800, doi: 10.1109/ICSSIT55814.2023.10060865.
- S. Akila Agnes, et al. presented a paper on Abusive Comment Detection in Social Media with Bidirectional LSTM Model, 2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT), Tirunelveli, India, IEEE Xplore, 2023, pp. 1368-1373, doi: 10.1109/ICSSIT55814.2023.10060887. (Scopus

Indexed).

Journal Publications:

- Thirumala Rao Gurugubelli, et al. published a paper on "One-Step, In Situ Hydrothermal Fabrication of Cobalt-Doped ZnO/CdS Nanosheets for Optoelectronic applications", Electronics, Vol No. 12, Issue No. 5, pp 1245, March 2023. (ISSN Number: 2079-9292) (Indexed in SCIE) (Impact Factor: 2.69) (<https://www.mdpi.com/2079-9292/12/5/1245>)
- Sumati Kumari Panda, et al. published a paper on Chaotic attractors and fixed point methods in piecewise fractional derivatives and multi-term fractional delay differential equations, Results in Physics, Vol.46, Article Id. 106313, March 2023, ISSN: 2211-3797, Index:SCI and Scopus, Impact Factor 4.565 (<https://www.sciencedirect.com/science/article/pii/S2211379723001067>)
- A. Rambabu, et al. published a paper on Magnetic and electrical properties of LaCoO₃ - LaNiO₃ epitaxial thin films on LaAlO₃ substrate, MaterialsToday:Proceedings. (<https://doi.org/10.1016/j.matpr.2023.02.275>)
- Pammi S.V.N., et al. published a paper on "Wound healing synergy in Wistar albino rats via green synthesized nanoparticles and topical antibiotic neomycin", Volume 11, May 2023, Articlenumber100135. (<https://doi.org/10.1016/j.onano.2023.100135>)
- S.V.N. Pammi, et al. published a paper on "Flexible, stable, and self-powered photodetectors embedded with chemical vapor deposited lead-free bismuth mixed halide perovskite films", Chemical Engineering Journal, Volume 458, 15 February 2023, 141473 (<https://doi.org/10.1016/j.cej.2023.141473>)
- U. Siva Rama Krishna, et al. published a paper on "Finite Element Modelling of Bitumen Pavement Structures with Cement Treated Base and Sub-Base Course Layers", Journal of Construction and Building Materials Engineering, e-ISSN: 2581-6454, Volume-9, Issue-1 (January-April, 2023).
- S. Siva Gowri Prasad, et al. published a paper on "A Review on Stabilization of Expansive Soil using Cement, Rice Husk Ash and Waste Plastic", Journal of Geotechnical Studies, e-ISSN: 2581-9763, Volume-8, Issue-1 (January-April, 2023).
- S. Athibaranan, et al. published a paper on "Life Cycle Assessment for G+4 Building Using BIM and One Click LCA", Journal of Construction and Building Materials Engineering, e-ISSN: 2581-6454, Volume-9, Issue-1 (January-April, 2023).
- T. Daniya, et al. published a paper on "Fuzzy Neighbors and Deep Learning-Assisted Spark Model for Imbalanced Classification of Big Data ", International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Vol.31, No.1. (<https://doi.org/10.1142/S0218488523500095>) IF:1.24
- Ravi Sankar B, et al. published a paper on "Assessment of Al₂O₃-JME nano emulsion blends influence on Variable Compression Ratio", International Journal of Energy, Environment, and Economics, Vol.29 Issue.3, 2022, pp.303-312, ISSN : 1054-853X, Scopus indexed, Q4, (<https://novapublishers.com/shop/assessment-of-al2o3-jme-nano-emulsion-blends-influence-on-variable-compression-ratio-engine/>)
- Bade Venkata Suresh, et al. published a paper on "Natural energy materials and storage systems for solar dryers: State of the art", Solar Energy Materials and Solar Cells, pp. 1-24, ISSN : 0927-0248, SCIEindexed, Q1. (<https://www.sciencedirect.com/science/article/pii/S0927024823000971>)
- Gummaluri Venkata Surya Subrahmanya Sharma, published a paper on "Spatial visualization for development of visual thinking and cognitive abilities among mechanical engineering students through tool design ideation", International Journal of Mechanical Engineering Education, pp. 1-16, ISSN : 2050-4586, Scopus indexed, ESCI, Q2, (<https://journals.sagepub.com/doi/abs/10.1177/03064190231164049>).
- P. N. L. Pavani, et al. published a paper on "Modeling of Nanolubricant-Assisted Machining Process by using Multiple Regression Analysis." Journal of Nanomaterials 2023, Article ID 3669399, pp. 1-12, ISSN : 1687-4129, Scopus indexed (<https://doi.org/10.1155/2023/3669399>)
- K.Simhadri, et al. published a paper on "A Review on Automatic Dimming of Headlights

- and Breaking System in a vehicle”, International journal of Research Publication and Reviews, pp. 2924-2930, ISSN: 2582-7421, Non-scopus
- Y.Jagadish, et al. published a paper on “Multi Sensor Based vehicle Control and safety system”, International journal of Research Publication and Reviews, pp. 2009-2014, ISSN: 2582-7421, Non-scopus
 - M.Vyunkunta rao, et al. published a paper on “Stir Casting; A Versatile Method for Producing High-Quality Metal Matrix Composites”, International journal of Research Publication and Reviews, pp. 1957-1961, ISSN: 2582-7421, Non-scopus
 - M.Vyunkunta Rao, et al. published a paper on “Advancements in the Production and Properties of Aluminum Metal Matrix Composites: A Review of Stir Casting Route and Parametric Effects”, Industrial Engineering Journal, Vol.52/No.3, pp539-550, ISSN: 0970-2555, UGC CARE Group-1.
 - G.Sasi Kumar, et al. published a paper on Design and Fabrication of Solar Grass Cutter Using Arduino”, Industrial Engineering Journal, Vol.52/No.3, and ISSN: 0970-2555, UGC CARE Group-1.
 - G.Danalakshmi, et al. published a paper on “Interfacing and Programming Arduino for the Automatic Vehicle Diversion with Anti-Collision and Warning System in EV's, International journal of Research Publication and Reviews, Vol.4/No.3, pp1759-1766, ISSN: 2582-7421, Non-Scopus
 - A.Lakshmu Naidu, et al. published a paper on “A Review on Fabrication and Printing of Metal-Polymer Composite Filaments”, European Chemical Bulletin, Vol.12/No.3, pp327-345, ISSN: 2063-5346, Scopus
 - Dr.V.Rambabu, et al. published a paper on “Design and Fabrication of Solar Powered Portable Thermoelectric Refrigerator”, International Research Journal of Modernization in Engineering Technology and Science, Vol.05/No.3, pp.1401-1413, ISSN: 2582-5208.
 - G. Janardhan, et al. published a paper on “Design and Fabrication of agricultural pesticide sprayer machine”, Industrial Engineering Journal, Vol.52/No.3, pp. 164-170, ISSN: 0970-2555, UGC CARE Group-1.
 - Simhadri, K., Rao, et al. published a paper on “Effect of changing injection pressure on Mahua oil and biodiesel combustion with CeO₂ nanoparticle blend on CI engine performance and emission characteristics”, International Journal of Hydrogen Energy, SCI indexed, <https://doi.org/10.1016/j.ijhydene.2023.03.267>.
 - Seela Chiranjeeva Rao, et al. published a paper on “Assessment of Al₂O₃-JME nano emulsion blends influence on Variable Compression Ratio”, International Journal of Energy, Environment, and Economics, Vol.29 Issue.3, 2022, pp.303-312, ISSN : 1054-853X, Scopus indexed, Q4, <https://novapublishers.com/shop/assessment-of-al2o3-jme-nano-emulsion-blends-influence-on-variable-compression-ratio-engine/>
 - Bade Venkata Suresh, et al. published a paper on “Natural energy materials and storage systems for solar dryers: State of the art”, Solar Energy Materials and Solar Cells, pp. 1-24, ISSN : 0927-0248, SCIE indexed, Q1, <https://www.sciencedirect.com/science/article/pii/S0927024823000971>
 - T. R. Vijaybabu et al. published a paper on “High Thermal Conductivity Polymer Composites Fabrication through Conventional and 3D Printing Processes: State-of-the-Art and Future Trends”, Macro Molecular Materials and Engineering, pp 1-19, ISSN:1439-2054 SCIE indexed Impact factor 4.402, <https://doi.org/10.1002/mame.202300001>
 - Y.Aditya, published a paper on Anisotropic cosmological model with a massive scalar field in f(R,T) gravity, Bulgarian Astronomical Journal, Bulgarian Academy of Sciences, Vol. 39, (2023) (ISSN (Online): 1314-5592). ESCI & SCOPUS Journal. Impact Factor: 0.14. <https://astro.bas.bg/AIJ/issues/n38/YAditya.pdf>
 - Y. Aditya, et al. published a paper on Dynamics of Sharma-Mittal holographic dark energy model in Brans-Dicke theory of gravity, Bulgarian Astronomical Journal, Bulgarian Academy of Sciences, Vol. 38, Page No. 52 (2023) (ISSN (Online): 1314-5592). ESCI & SCOPUS Journal. Impact Factor: 0.14. <https://astro.bas.bg/AIJ/issues/n39/YAditya.pdf>

- Thirumala Rao Gurugubelli, et al. published a paper on "Recent Progress in the Use of SnO₂ Quantum Dots: From Synthesis to Photocatalytic Applications". *Catalysts* 2023, 13, 765. April 2023. (ISSN: 2073-4344), (Indexed in: SCI), (Impact Factor: 4.501) <https://doi.org/10.3390/catal13040765>
- Gokulan Ravindiran, et al. published a paper on "Removal of azo dyes from synthetic wastewater using biochar derived from sewage sludge to prevent groundwater contamination", *Urban Climate*, 2023, 101502, IF: 6.63, SCI, IF: Q1 (ISSN 2212-0955) (<https://doi.org/10.1016/j.uclim.2023.101502>)
- Gokulan R., et al. published a paper on "MTBE adsorption on surface modified adsorbent kaolin-KOH – A study on kinetic equilibrium and surface morphology", 2023, *Global NEST Journal*, 25(4), 86-94 (Indexed in SCI and Scopus, Q3) .(Impact Factor: 1.04) (ISSN: 1108-4006, 1790-7632) (<https://doi.org/10.30955/gnj.003058>)
- Gokulan R., et al. published a paper on "Enhancement of adsorption efficiency by surface modified Avocado seed for xylene removal", *Global NEST Journal*, 25(3), 130-138. (Indexed in SCI and Scopus, Q3) .(Impact Factor: 1.04) (ISSN: 1108-4006, 1790-7632)
- KNaga Rajesh, et al. published a paper on "A review on alternatives to sand replacement and its effect on concrete properties" *Materials Today: Proceedings*, 2023, (Scopus) (ISSN 22147853) (<https://doi.org/10.1016/j.matpr.2023.03.332>).
- R. Gokulan, et al. published a paper on "Production of *Ulva prolifera* derived biochar and evaluation of adsorptive removal of Reactive Red 120: batch, isotherm, kinetic, thermodynamic and regeneration studies", *Biomass Conversion and Biorefinery*, April 2023. (Indexed in SCIE, IF: 4.88, Q2) (ISSN No: 190-6815) <https://doi.org/10.1007/s13399-021-01483-0>)
- Pakki Manoj Kumar, et al. published a paper on "Seismic analysis and design of steel beam-column connections in Indian standard code framework", *Materials Today: Proceedings*, 2023, <https://doi.org/10.1016/j.matpr.2023.03.365> (Scopus Indexed)
- Ravindiran Gokulan, et al. 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*, (ISSN No: 190-6815 (SCI, Q2) (Impact Factor: 2.68) <https://doi.org/10.1007/s13399-021-01415-y>
- A.Arun Solomon, et al. published a paper on Turning Low-Density Polyethylene plastic waste into plastics bricks for sustainable development, *Materials Today: Proceedings*, 2023, <https://doi.org/10.1016/j.matpr.2023.03.482> (Scopus Indexed).
- A.Arun Solomon, et al. published a paper on "Influence of Supplementary Cementitious Materials on Stress-Strain behavior and Toughness Characteristics of Concrete Subjected to Higher Temperature Exposure", *Materials Today: Proceedings*, 2023, <https://doi.org/10.1016/j.matpr.2023.03.139> . (Scopus Indexed)
- Ramu Penki, et al. published a paper on "Drought vulnerability assessment by employing the Geographical Information System and Analytical Hierarchy Process for the Kurnool district of Andhra Pradesh, India", 2023, *Ecocycles*, Vol.9(1), (Scopus) (ISSN 2416-2140) (<https://doi.org/10.19040/ecocycles.v9i1.262>)
- Srikanth, K, et al. published a paper on "A study on properties of pervious concrete with high-volume usage of supplementary cementitious materials as substitutes for cement". *Asian Journal of Civil Engineering*, 2023, (Scopus, Q3, IF: 0.397) (<https://doi.org/10.1007/s42107-023-00619-z>)
- Ramakrishna S.S. et al. published a paper on "A Design and Development of the Smart Forest Alert Monitoring System Using IOT", *Journal of Sensors*, Volume 2023, Article ID 8063524, 8th

- Feb 2023 (Indexed by SCI,Q2, IF:2.336, <https://doi.org/10.1155/2023/8063524>)
- Karthick Kanagarathinam, et al. published a paper on “Impact of Stator Slot Shape on Cogging Torque of PMSM Motor”, International Journal of Electrical and Electronics Research (IJEER), Vol.11, No.1, pp. 54-60. February 2023, (Indexed by SCOPUS, Q4, DOI: 10.37391/IJEER.110108.)
 - Kumar K, et al. published a paper on “Reduction of High Dimensional Non integer Commensurate Systems Based on Differential Evolution”, International Transactions on Electrical Energy Systems, Volume 2023, Article ID 5911499, pp,1-10, March 2023. (Indexed by SCI,Q2), IF:2.639, <https://doi.org/10.1155/2023/5911499>)
 - Ravi Sankar B, et al. published a paper on “Assessment of Al₂O₃-JME nano emulsion blends influence on Variable Compression Ratio”, International Journal of Energy, Environment, and Economics, Vol.29 Issue.3, 2022, pp.303-312, ISSN : 1054-853X, Scopus indexed, Q4, <https://novapublishers.com/shop/assessment-of-al2o3-jme-nano-emulsion-blends-influence-on-variable-compression-ratio-engine/>
 - Gummaluri Venkata Surya Subrahmanya Sharma, published a paper on “Spatial visualization for development of visual thinking and cognitive abilities among mechanical engineering students through tool design ideation”, International Journal of Mechanical Engineering Education, pp. 1-16, ISSN : 2050-4586, Scopus indexed, ESCI, Q2, <https://journals.sagepub.com/doi/abs/10.1177/03064190231164049>
 - Dr.A.Lakshmu Naidu, et al. published a paper on “A Review on Fabrication and Printing of Metal-Polymer Composite Filaments”, European Chemical Bulletin, Vol.12/No.3, pp327-345, ISSN: 2063-5346, Scopus
 - Yanda Nagamani, et al. published a paper on “MSRFNet for skin lesion segmentation and deep learning with hybrid optimization for skin cancer detection”, The Imaging Science Journal, March 2023[Indexed by SCI and Scopus, Q2 Link: <https://doi.org/10.1080/13682199.2023.2187518>
 - Suman, J.V., et al. published a paper on “Design and Development of Polymer-Based Optical Fiber Sensor for GAIT Analysis”, International Journal of Polymer Science, vol. 2023, April, 2023 (Indexed by SCI, IF : 2.973, Q2, ISSN: 1687-9422, <https://www.hindawi.com/journals/ijps/2023/2541384/>)
 - B. Anil Kumar, published a paper on “Smart Parking Model Based on IOT Using FCFS Priority Mechanism” “Journal of Emerging Technologies and Innovative Research” on 06.04.2023, Volume No. 10 Issue No. 4, Page No.558, Publisher:Journal of Emerging Technologies and Innovative Research,, ISSN No. ISSN-2349-5162, Indexing UGC, impact factor: 7.95.
 - M.V.Nageswara rao, published a paper on “Classification of Arrhythmia beats in ECG Signals using deep learning techniques” “Industrial engineering Journal” on Apr ,2023, Volume No. 52 Issue No. 4, Page No.137, Publisher :Industrial Engineering ISSN-0970-2555, Indexing UGC, impact factor: 6.82.
 - Ch.Babji Prasad, published a paper on on”Novel Spectral Efficiency model for next generation wireless communication ” “Journal of Emerging Technologies and Innovative Research” on April 2023, Volume No. 10 Issue No. 4, Page No.557, Publisher :Journal of Emerging Technologies and Innovative Research,, ISSN No. ISSN-2349-5162, Indexing UGC, impact factor: 7.95.
 - T. Geetamma published a paper on “Classification Of Diabetic Foot Ulcer “Journal of Emerging Technologies and Innovative Research (JETIR)” on 24.03.2023, Volume No. 10, Issue No. 3, Page Nos. 141 to 146, Publisher : JETIR, ISSN No. 2349-5162, , Indexing UGC, Impact factor : 7.95.
 - Dr. TVS. Divakar published a paper on “Design and analysis of phased antenna array for 5G communication” title of journal “Journal of Emerging Technologies and Innovative Research “ on 06.04.2023, Volume No.10, ISSN No.4, Page No. 597-601, Publisher : Journal of

Emerging Technologies and Innovative Research, ISSN Nos. 2349-5162, Indexing: UGC CARE, Impact factor: 7.95

- V Jagan Naveen, published a paper on “PAPR analysis in UFMC system using companding technique for wireless communications’Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162Vol. 10, No. 3, March 2023 Impact factor: 7.95

Workshops/Conference Attended:

- Ms. Santhoshini Sahu attended FDP on "Recent Advances in Data Science, Data Analytics and Cyber Security" conducted by "Shri Vishnu Engineering College for Women (A), Bhimavaram" from 1-3-2023 to 5-3-2023.
- Ms. Uriti Archana has attended two days FDP on “21st Century Teaching Methodologies” organized by Internal Quality Assurance Cell, Indira Institute of Technology and Sciences, Markapur on 18.03.2023
- Dr. K Santa Rao attended FDP on ”Applications of Artificial Intelligence & Machine Learning in Mechanical Engineering” organized by Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru on 6th March 2023 to 10th March 2023.
- Dr.A.Arun Solomon completed 7 weeks online course on “3D CAD Fundamental” in Coursera platform.
- Dr. Chiranjeeva Rao Seela attended FDP on ”Applications of Artificial Intelligence & Machine Learning in Mechanical Engineering” organized by Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru on 6th March 2023 to 10th March 2023.
- Dr. T R Vijay Babu attended FDP on ”Applications of Artificial Intelligence & Machine Learning in Mechanical Engineering” organized by Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru on 6th March 2023 to 10th March 2023.
- Dr. Bade Venkata Suresh attended FDP on ”Applications of Artificial Intelligence & Machine Learning in Mechanical Engineering” organized by Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru on 6th March 2023 to 10th March 2023.

- Dr. Yegireddi Shireesha attended FDP on ”Applications of Artificial Intelligence & Machine Learning in Mechanical Engineering” organized by Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru on 6th March 2023 to 10th March 2023.
- Mr. Gopa Dinesh Reddy attended FDP on ”Applications of Artificial Intelligence & Machine Learning in Mechanical Engineering” organized by Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru on 6th March 2023 to 10th March 2023.
- Dr. Sudhakar Uppada attended FDP on ”Recent Advancement in Heat Exchanger Technologies: Experimentation & Simulations ” organized by School of Engineering, OP Jindal University, Raigarh on 13th March 2023 to 17th March 2023.
- Dr. Prasant Kumar Choudhary attended FDP on ”Recent Advancement in Heat Exchanger Technologies: Experimentation & Simulations ” organized by School of Engineering, OP Jindal University, Raigarh on 13th March 2023 to 17th March 2023.
- Dr N Santhosh Kumar, Participated in Second International Faculty Development Program on “Advanced Materials for Technological Applications” organized by the Department of Physics, Sathyabama Institute of Science and Technology between 24th March to 4th April 2023.
- Dr. K. Koteswara Rao and Mr B Lakshmana Rao, GMR Institute & Technology Rajan Andhra Pradesh, has performed a confidential task organized by the National Testing Agency (NTA) at First Floor, NSIC-MDBP Building, Okhla Industrial Estate, New Delhi – 110020 from 15 th April and 19th April 2023.

Co-Curricular Activities:

- A batch of 5 Students and faculty SPOC Dr. B. Anil Kumar of ECE department, has participated and presented five different ROBOTS in the launch of GMR Innovex Robotic and Automation CoE at GMR Innovex, Hyderabad on 24th March 2023.



- A. Jahnvi (19341A0136) from civil dept. got selected in National Power Lifting Competitions which are held from 10th to 13th of April 2023 at Himachal Pradesh.
- The HAM Club by the dept of ECE has conducted an event Titled QUIZZARD OF COMMUNICATION on March 6th -2023.
- Mr. P. Lohit, Mr. P. Pradeep, Mr. R. Sandeep, and Mr. V. Gopisanth, from Mechanical dept won the best paper presentation award during RADIANT2K23 organized by Department of Information technology, ANITS Visakhapatnam on 2nd March and 3rd March 2023.
- V.Vishnuvardhan (3rd IT) has emerged victorious by winning the "Business Capital (Tenders)" event at NIPUNA 2023 by SRKR Engineering College, Bhimavaram. His exceptional skills and knowledge in the field of business have helped him secure this win. He is expected to continue this success in his future endeavors, and his achievements will undoubtedly inspire others.
- P.Sreevatsav (3rd IT) has been declared the winner of the "Uniquis" event at NIPUNA 2023 by SRKR Engineering College, Bhimavaram. His hard work, perseverance, and dedication have finally paid off, and he has emerged victorious.
- Women Empowerment cell conducted various event exclusively for girl student on the occasion of women's day for one week.

- ISTE conducted events on "Speakathon"; "Squad Spirit"; "Equip-De(designing & labeling)", "Tech Talks" ; "Hardware project design exhibition" & "Mind Spark"
- Department of CSE conducted Data Wrangling Contest Event on 20-03-2023 at CSE Labs from 8.00 PM to 8.00 AM with 434 Students, under CSI, ACM and ISTE student chapters.

DEPARTMENT OF CSE
CONGRATULATES

DATA WRANGLING CONTEST WINNERS

1st-prize

 K. Jagadeesh III-CSE	 CV. Sai Kiran III-CSE	 Bhath Akhila II-CSE(AI&ML)
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2nd-prize

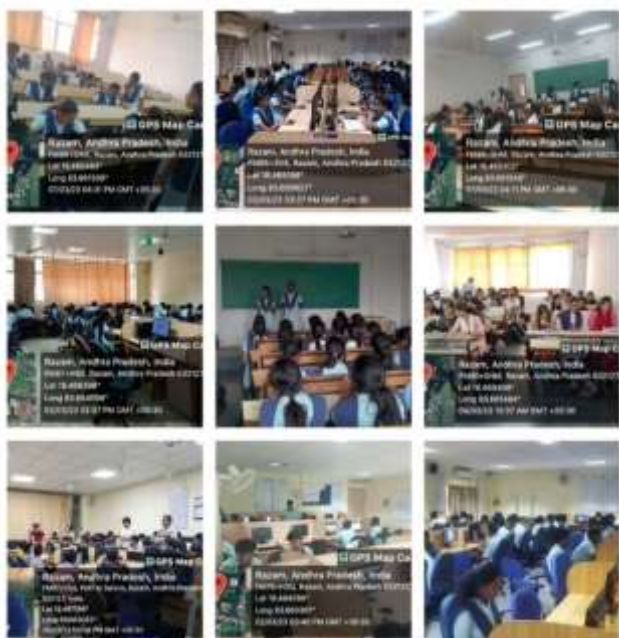
 M. Madhan Sai III-CSE	 K. Bharat Kumar III-CSE	 B. Likhith II-CSE
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3rd-prize

 MT. Nanaa Man III-CSE	 K. Surya Prakash III-CSE	 Ganesha Kalyana Sankar II-CSE
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- Ms.Sandhya (21341A0105) from Civil dept won gold medal in Andhra pradesh 10th State Power Lifting Competition.



during IGNITION2023 organized by Department of Mechanical Engineering, ANITS Visakhapatnam on 2nd and 3rd March 2023.



- M.Surya Mohith, Ch.Arun, Reddy Sandeep, Abdul Kadhir Sheik got 3rd prize in Robowar Organized by ANITS, Visakahapatnam during 2nd-3rd March,2023.
- ACM and ACM-W conducted events like Query Mania, Codehers, Craftistic, Professional Power Party in the month of March and April-2023.
- Department of Mechanical Engineering organized a central level business plan presentation competition based on the scalability of min projects in collaboration with EDC cell, ISTE and IIC council on March 17th 2023.



- Ms. P. Ayakta, 2nd Mech has been participated in Ball Badminton Nationals from 30th March to 3rd April at Maharashtra.
- M.Surya Mohith, Ch.Arun, Reddy Sandeep, Abdul Kadhir Sheik won 1st prize in Robowar Organized by ANITS, Visakhapatnam during 2nd-3rd March,2023.
- VV Ramaraju (3rd IT) & KVL Prasanna (2nd IT) have secured the runners-up position in the "Business Capital (Stocks)" event at NIPUNA 2023 by SRKR Engineering College, Bhimavaram.
- Ms. S.V.P.S Lahari and Mr. G. Porna Chandra Mohan Naidu from Mechanical dept won 3rd place in the paper presentation competition

- B.DhanaLaxmi, D.Jagan, B.Jahanavi, Ch.Harasha Aditya won 1st prize in Hardware Expo organized by GVPCE, Visakhapatnam on 25th February, 2023.

- 68 students from 2nd year and 4 faculty members visited GMR Airport, GMR innovax, GMR Aero Tech (MRO) at Samshabad during 9th & 10th March 2023.



- Prakash (2nd CIV), CH.Surya (2nd IT), Sowmya (2nd CIV), KVL PRASANNA (2nd IT) have been declared runners-up in the "Presencia - Civil" event at NIPUNA 2023 by SRKR Engineering College, Bhimavaram.
- A.Vandana won 1st prize in Robo chase Organized by AITAM, Tekkali during 9th-10th March, 2023.
- N.Nitya Priya won 2nd prize in Paper Presentation Organized by AITAM, Tekkali during 9th-10th March, 2023.
- M.Surya Mohith, Ch.Arun, Reddy Sandeep, Abdul Kadhira Sheik, S.Manikanta got 2nd prize in Robowar Organized by GMRIT, Rajam during 24th-25th January, 2023.
- K.Nitya Priya, K.Revanth, K.Jyamanikanta, Aditya got 2nd prize in Model UN Organized by GMRIT, Rajam during 24th- 25th January, 2023.
- K.Nitya Priya, R.Riharika got 2nd prize in Hydraulic Propulsion Organized by GMRIT, Rajam during 24th-25th January, 2023.
- G.Chaitanya, D.Neeraja Aditya, D.Rakesh, G.Vasudev, B.Abhiram Nayak won 2nd prize in Project Era Organized by JNTUGV, Vizianagaram during 13th-14th March, 2023.

- A.Sravanthi, G.Rishitha, G.Vyunkunta Gowri and P.Kumar swamy got 3rd prize in Project Expo Organized by AITAM, Tekkali during 9th-10th March, 2023.
- B.Dhana Laxmi, B.Jahanavi, B.Vineetha got 3rd prize in Project Expo organized by NSRIT, Visakhapatnam during 3rd-4th March, 2023.
- B.Sneha Latha, D.Jagan, Ch.Harasha Aditya, G.Harshavaradan got 3rd prize in Project Era Organized by JNTUGV, Vizianagaram during 13th-14th March, 2023.
- K.Sai jyojhi kiran won 3rd prize in Robochase Organized by AITAM, Tekkali during 9th-10th March, 2023.
- Students secured following medals in AP 10th State Sub junior and Junior Equipped (Men & Women) Powerlifting Championship-2023 from 22nd to 23rd April 2023 at Visakhapatnam:
 - Secured 3 Gold medals, 2 Silver medals & 1 Bronze medal under Sub juniors-Men Team.
 - Secured 1 Silver medal under Juniors Men Team.
 - Secured 1 Gold medal & 3 Silver medals under Juniors Women Team.
- ISTE conducted events on "College Tales"; "Electrify Your Brain"; "Business Capital" & "Minut Mind".
- CSI conducted an event on "IPL Carnival Event".
- SAE conducted an event on "Mechanical Mastery".
- Robotics Club conducted an event on "Firmware development for robotic applications".
- Civil Services Aspirants Club conducted an event on "Study Skills and Strategies for UPSC Exams".
- Math Club conducted an event on "Brain Blitz: Ultimate the MATH testing challenge".

Training and Placement:

- As on 30.04.2023, total 79 companies visited for 2022-23 outgoing batch: 578 students were placed with 762 offers with a maximum CTC of Rs. 11.00 Lakhs and an average CTC of Rs. 4.59 Lakhs
- CDC team conducted a training programme on "Way Forward Session" to 2024 Passout batch on 26th-28th April 2023.
- FacePrep Team conducted Mock Test to 2024 Passout batch on 28th&29th April 2023.

- Branch wise and Company wise Placements - 2022-23 Batch for GMRIT as on 28.02.2023

Branch	Total Eligible	Offers	Placements
CE	104	72	65
CHE	27	24	23
CSE	192	227	139
ECE	186	155	112
EEE	105	82	74
IT	126	101	76
ME	168	100	88
M.Tech		1	1
Total	908	762	578

- Celebrated Farewell & Placement Day for 2023 outgoing batch on 15th April 2023, Prof. K. Venkata subbaiah, Vice-Chancellor, JNTUGV is the chief guest.



- CDC conducted Guest lecture sessions by Mr. Harshitha S Kumar, Segment Head, Digital Solutions BU, PT&D IC, L&T Construction; Ms. Geetha Hariharan, Head of Engineering at Substation and Utility Power Distribution BU, PT&D IC, L&T Construction and Mr. Kamal Kannan, Director VP – BD & Customer Success (SAARC Countries), ETAP Automation on 9th March, 2023 for B.Tech 2nd year Students.
- Guest session on The Future of Renewable Energy conducted by. Mr. Harshitha S Kumar,

EMEA Region Segment Head, Digital Solutions BU, PT&D IC, L&T Construction

- Geetha Hariharan, Head of Engineering at Substation and Utility Power Distribution BU, PT&D IC, L&T Construction
- Kamal Kannan, Director & VP – BD & Customer Success (SAARC Countries), ETAP Automation on 9th March, 2023 for B.Tech IInd year Students.
- Guest Lecture on Build a Neuron from Scratch in JavaScript conducted by Mr. Mehar Ranjan Howji -Technical Delivery Manager – Accolite on 28th March, 2023 for B Tech IIIrd & IVth year students.
- 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 for Juniper Courses.