GMR Institute of Technology
An Autonomous Institute Affiliated to JNTU-GV

GMRIT Training Tomorrow's Engineers Today

Department of Mechanical Engineering

NEWSLETTER

MAY- JUNE 2023 | **ISSUE- 3**

ABOUT US

SINCE from the inception 1997 the department is grown with all paces and bagged many laurels at university level. Department is able to produce universal engineers with competitive salaries. Our alumni is the strength of department in providing assistant in all aspects like placements, career development etc. department is rich in qualified and Experienced faculty and state of art laboratory facilities. A desire can change nothing, a decision can change something but a determination can change everything. For sure Department of Mechanical Engineering is strongly determined to provide its students a successful career.

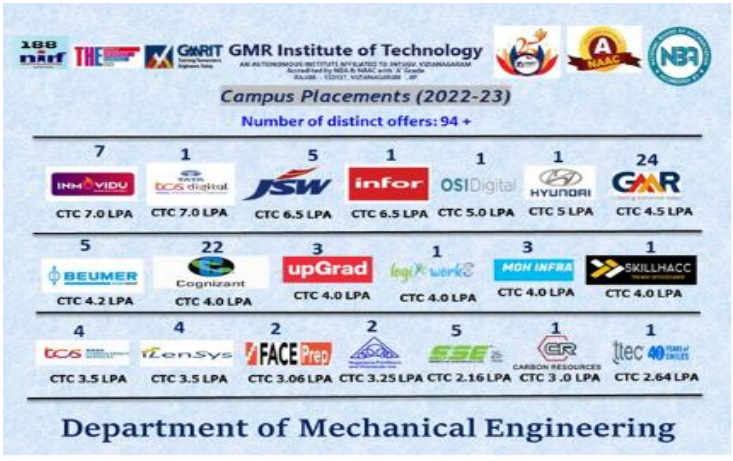
Events and Achievements:

Department Related:

Dr. T.R. Vijaybabu, Dr. S.Ravi Babu,Dr. Bappa Mondal, Dr. Pankaj Kumar, Dr. S. Chiranjeevi Rao, Dr. G. Janardhan, Dr. B. V. Suresh Participated in 1 week FDP on "Outcome based Design, Delivery & Assessment during 1st to 5th May 2023 organized by IQAC Cell, GMR Institute of Technology, Rajam.

Placements Achievements:

The students' of 2023 batch mechanical engineering department bagged 100 offered in several esteemed multinational core and non-core companies.
Number of placements as on date : 112
Number of distinct placements as on date: 95
% of placements as on date is 80%
% of distinct placements as on date is 67.8%
Highest CTC : 7.2L
Average CTC : 4.30L
Least CTC : 2.16



Academic Achievements:

Faculty development program/Workshops

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- Dr. G V S S Sharma and Dr. Prashant Kumar Choudhary attend FDP on" Contemporary Advancements in Materials Processing and Characterization" organized by Department of Mechanical Engineering, GMR Institute of Technology Rajam and National Institute of Technology, Warangal on 24th April 2023 to 29th April 2023.
- Dr. Bappa Mondal attend FDP on "Recent Advnces and challenges in Automotive Sector" organized by Department of Mechanical Engineering, Dream Institute of Technology, Kolkataon 25th May 2023 to 27th May 2023.
- Dr. Bappa Mondal and Dr. Pankaj Kumar attend FDP on" Operation Research and Optimization Techniques" organized by Department of Mechanical Engineering, Vellore Institute of Technology, Chennai 21st June 2023 to 25th June 2023.

Journal Publications

1. Vavilada Satya Swamy Venkatesh, Rajamalla Narasimha Rao, "Influence of microwave sintering temperatures on mechanical and microstructural Behavior of Al/SiC/snail shell hybrid composite synthesized through powder metallurgy technique", Proceedings of the institution of mechanical engineers part c-journal of mechanical engineering science, pp.1-12, ISSN: 0954-4062, SCIE, Q2, https://doi.org/10.1177/09544062231169120, https://journals.sagepub.com/doi/abs/10.1177/09544062231169120
2. T. R. Vijaybabu, T. Ramesh, Suman Pandipati, Sujit Mishra, G Sridevi, C Pradeep Raja, Rhoda Afriyie Mensah, Oisik Das, Manjusri Misra, Amar Mohanty,and Karthik Babu NB, "High Thermal Conductivity Polymer Composites Fabrication through Conventional and 3D Printing Processes: State-of-the-Art and Future Trends", Macromolecular Materials and Engineering, ISSN: 1439-2054, SCIE, Q1, https://doi.org/10.1002/mame.202300001, https://onlinelibrary.wiley.com/doi/full/10.1002/mame.202300001
3. Alagumalai, A., Devarajan, B., Song, H., Wongwises, S., Ledesma-Amaro, R., Mahian, O., Sheremet, M. and Lichtfouse, E., "Machine learning in biohydrogen production: a review", *Biofuel Research Journal*, 10(2), ISSN: 2292-8782, ESCI and Scopus indexed, Q1, pp.1844-1858, DOI: 10.18331/BRJ2023.10.2.4, https://www.biofueljournal.com/article_172023.html
4. Sharma, G.V.S.S. and Kumar, S., "Thinking Through Art–A creative insight into mechanical engineering education", *Thinking Skills and Creativity*, ISSN: 1871-1871, SSCI, Q1, p.101341, https://doi.org/10.1016/j.tsc.2023.101341, https://www.sciencedirect.com/science/article/abs/pii/S1871187123001104
5. Babu, S.R., Kumar, P.P., Basha, S.A. and Rao, M.M., "Experimental Investigation on Free Convective Heat Transfer Performance of

Oxide Nanofluids Along a Vertical Cylinder", *Ecological engineering & environmental technology*, 24(5), pp.185-194, ISSN: 2719–7050, ESCI and Scopus, Q3, https://doi.org/10.12912/27197050/165902, http://www.ecoeet.com/Experimental-Investigation-on-Free-Convective-Heat-Transfer-Performance-of-Oxide,165902,0,2.html

6. Gupta, S.K. and Misra, R.D., 2023, "Experimental Pool Boiling Heat Transfer Analysis with Copper–Alumina Micro/Nanostructured Surfaces Developed by a Novel Electrochemical Deposition Technique", *International Journal of Thermophysics*, 44(7), p.112, ISSN: 1572-9567, SCIE, Q3, https://doi.org/10.1007/s10765-023-03218-x, https://link.springer.com/article/10.1007/s10765-023-03218-x

7. Puvvada, N.L.P., Ronanki, P. & Gupta, M.S., "Enhancement of heat dissipation capacity with the application of nano fluids in an internal cooling system", *International Journal on Interactive Design and Manufacturing*, ISSN: Scopus, Q2 https://doi.org/10.1007/s12008-023-01321-9, https://link.springer.com/article/10.1007/s12008-023-01321-9

8. Prashant Kumar Choudhary, "Optimal design of composite cylindrical shells subject to compression buckling strength", Multidiscipline Modeling in Materials and Structures, ISSN: 1573-6105, 5 June 2023, SCIE and scopus, Q3, https://doi.org/10.1108/MMMS-11-2022-0269, https://www.emerald.com/insight/content/doi/10.1108/MMMS-11-2022-0269/full/html

9. Venkatesh, V.S.S., Rao, R.N. & Patnaik, L., "Effect of Spark Plasma Sintering Temperature on Phase Evaluation and Mechanical Behaviour of cu- 4 Wt% SiC Composite.", Silicon (May 2023), ISSN: 1876-9918, SCIE, Q2, https://doi.org/10.1007/s12633-023-02530-3, https://link.springer.com/article/10.1007/s12633-023-02530-3