

GMR Institute of Technology

An Autonomous Institute Affiliated to JNTU-GV, Vizianagaram



GARIT

Training Tomorrow's
Engineers Today

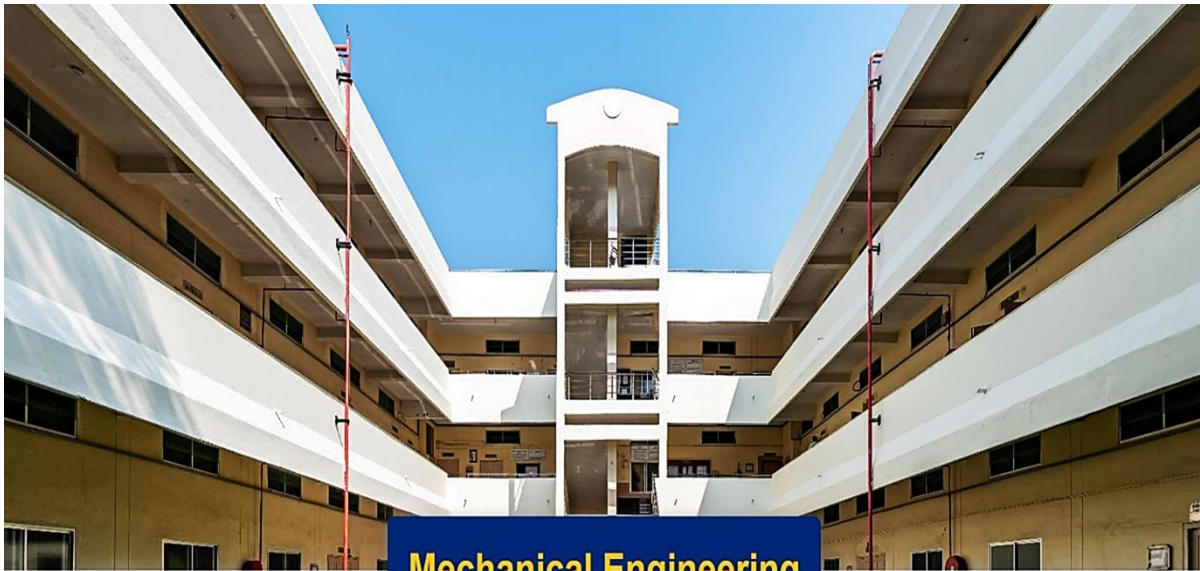
Department of Mechanical Engineering

NEWSLETTER

SEPT - OCT

2023

ISSUE- 5



Mechanical Engineering

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 are 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:

➤ Dr. A L Naidu, Assistant Professor, Dept. of Mechanical Engineering received the DST Project Sanction of Rs.8,90,000/- (Recurring) sponsored by Divyasampark iHUB for Devices Material and Technology Foundation, Roorkee (September 2023).

➤ Dr. Sasikumar G, Head, Dept. of Mechanical Engineering completed NPTEL Online Course on “Introduction to Machine Learning” 8 weeks Course (July-Sept 2023), IIT Kharagpur.

➤ Badithi Akhilesh (22341A0309), of 2nd year student secured 3rd place in the event “Talentia” held on 12/09/2023 at GMR Institute of Technology.

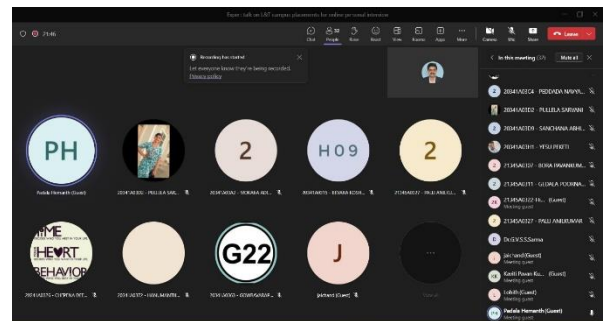
➤ Ms. P Avyakta (21341A0398), 3rd Year Mech Engg. get 2nd Place in 8th AP State Junior Inter District Ball Badminton Championship 2023-24 (September 2023).

➤ L. Bhuvan Manikar (22341A0370), P. Manikanta (22341A0392), CH. Gowri Naidu (22341A0323), and G. Divya (22341A0341) attended an event on “SUSTAINABILITY HACKATHON” on ENGINEERS DAY (14-09-23) organized by SAE INDIA in collaboration with ISTE of Dept of mechanical Engineering, GMRIT.

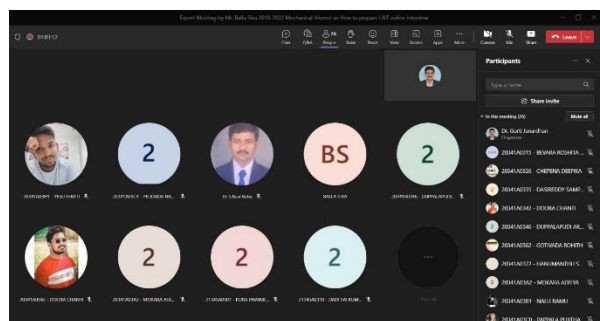


➤ Mr. Devendra (Alumni, batch 2018-2022, Department of Mechanical Engineering) delivered an online interactive session on L&T on 08-10-2023

➤ An online session on “L&T campus placements-Online personal interview” was delivered by Mr. Padala Hemant (Alumni, batch 2018-2022, Department of Mechanical Engineering) on 09-10-2023.



➤ Expert talk by Mr. Balla Siva (Alumni, batch 2018-2022, Department of Mechanical Engineering) on How to prepare L&T online interview on 10-10-2023.



➤ K. Sujatha (21341A0353), Student of 3rd year participated and secured 2nd place in 100 mts and 3rd place in 800 mts in the district meet held on 29/10/2023 at Arts College Ground, Srikakulam District, organised by Srikakulam Athletic Association.

➤ V.JOSHAP RAJU (22341A03F3) student of 2nd year participated and secured 1st place in high jump, 2nd place in long jump and 2nd place in 800 mts in the district meet held on 29/10/2023 at Arts College Ground, Srikakulam District, organised by Srikakulam Athletic Association.

➤



Placements Achievements:

14 no.(s) final year students (2020 – 2024 Batch) are placed in L&T (Larsen & Toubro).

- 1) Botcha Ajay Chandramouli
- 2) Pullela Sarvani
- 3) Duppalapudi Aravind
- 4) Gowravarapu Kaveri
- 5) Laveti Vedavathi
- 6) Donka Siva
- 7) Pitchika Naveen
- 8) Bora Pavan Kumar
- 9) Nalli Ramu
- 10) Konapalli Balaji
- 11) Kenguva Himanth Kumar
- 12) Hanumanthu Sai Santosh
- 13) Murri Srinivas
- 14) Gedala Poorna Chandra Naidu

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To
14 students of 2024 batch of Department
of Mechanical Engineering
For getting selected
In



Publications:

International Journals:

Sharma et al., "Postdigital concerns relating to teaching and learning of machine drawing", International Journal of Mechanical Engineering Education, pp.1-21, ISSN: 0306-4190, Scopus, Q3, DOI: 10.1177/03064190231199248, (September, 2023), <https://journals.sagepub.com/doi/abs/10.1177/03064190231199248>

S Ravi Babu et al., "Wear Analysis of Iron Slag Reinforced Polyester Composites with Taguchi Optimization", Ecological engineering and environmental technology, ISSN: 2719-7050, Scopus, Q3, 24(6), pp. 221-229, (September, 2023), <https://doi.org/10.12912/27197050/168094>, <http://www.ecoet.com/pdf-168094-92061?filename=Wear%20Analysis%20of%20Iron.pdf>

SK Gupta et al., "Experimental pool boiling heat transfer analysis through novel ZnO-coated Cu (Cu@ZnO nanoparticle) hybrid nanofluid boiling on the fin tops of different microchannels", Journal of Thermal Analysis and Calorimetry, (2023), ISSN: 1588-2926, SCIE, Q1, (September, 2023), <https://doi.org/10.1007/s10973-023-12462-0>, <https://link.springer.com/article/10.1007/s10973-023-12462-0>

SK Gupta et al., "Experimental Investigation on Flow Boiling Heat Transfer Characteristics of Water Inside Micro/Nanostructured-Coated Mini-

channel." International Journal of Thermophysics 44, no. 10 (2023): 148., ISSN: 1572-9567, SCIE, Q3, <https://doi.org/10.1007/s10765-023-03256-5>, <https://link.springer.com/article/10.1007/s10765-023-03256-5>

Ch., Vinod Babu et al. "Advancements in Nickel-Phosphate/Boron Based Electroless Composite Coatings: A Comprehensive Review of Mechanical Properties and Recent Developments." Materials 16, no. 18 (2023): 6116., ISSN: 1996-1944, SCIE, Q2, (September, 2023), <https://doi.org/10.3390/ma16186116>, <https://www.mdpi.com/1996-1944/16/18/6116>,

Bappa Mondal et al. Optimization of Pilot scale Biogas Plant for mixed food wastes with cow dung by anaerobic digestion process, Global NEST Journal, ISSN:1790-7632, Vol. 25, pp. 1-9 (2023), Web of Sc (Q3) (October, 2023), https://journal.gnest.org/publication/gnest_05253

Bappa Mondal et al., Development and performance study of self-charging ecofriendly drone - a short review, China Petroleum Processing and Petrochemical Technology, ISSN: 1008-6234, Vol. 23(2), (2023) pp. 2205-2212, (SCOPUS) Q3. (October, 2023), <https://zgisygyshgjs.cn/index.php/eric/article/view/2-2205.html>

T.R. Vijaybabu et al. Significance of a permeable semi-circular body and magnetic field on the double-diffusive traits, International Journal of

Thermofluids, Volume 20, November 2023, 100486, October 2023, DOI: 10.1016/j.ijft.2023.100486
<https://doi.org/10.1016%2Fj.ijft.2023.100486>

Books/Book Chapters:

SK Gupta et al., "Determining the accurate free vibration response of thin functionally graded plates using the dynamic stiffness method", Functionally Graded Structures: Modelling and computation of static and dynamical problems, Online ISBN: 978-0-7503-5301-4, August, 2023, Scopus, doi:10.1088/978-0-7503-5301-4ch10, Chapter 10, pp. 1-31.

Patent:

Bappa Mondal et al., "Procedure for Manufacturing Bio-inspired Lightweight Composite Materials for Structural Applications", Application Number: 202321053539, Filing Date-09/08/2023, Publishing Date: 06/10/2023, Issue No. 40/2023.

FDP / Workshops:

- Dr. K Santa Rao, Mr. Sasidhar Gurugubelli attended an online Faculty Development Program titled "ENGINEERING GRAPHICS USING AUTOCAD" organized by the department of Mechanical Engineering, ANITS during 04.09.23 to 09.09.23.
- Dr. Bade Venkata Suresh, Dr. Yegireddi Shireesha and Mr. Sasidhar

Gurugubelli participated in the One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Department of CSE, GMR INSTITUTE OF TECHNOLOGY, Rajam, Andhra Pradesh in collaboration with Brainovision Solutions India Pvt Ltd. and All India Council for Technical Education (AICTE) During the period of 21st to 25th August 2023.

- Mr. Sasidhar Gurugubelli attended in the webinar on "Casting Simulation Fundamentals" organized by Department of Mechanical Engineering, KSIT in association with "The Institute of Indian Foundrymen", Bangalore chapter on 27th September 2023

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