

Chief Editor :

K. Raja Narender Reddy

Professor & Head

Editors-in-charge

Sri G. Vinod Kumar

Assistant Professor

Sri S. Anil Kumar

Assistant Professor

Smt. G. Sumithra

Assistant Professor

Dr. B. Srinivasa Reddy

Assistant Professor

Student Editorial Board

Mr. D. Sathvik Reddy

(IV/IV B.Tech.)

Principal's Message



I am proud and honored to write this message since this newsletter is a testament to the Mechanical Engineering Department's commitment to outcome-based education and improved student-teacher learning, which is in keeping with the department's vision and goal. I hope that the department will continue to work hard to improve education quality and bring honour to the institute.

Dr. K. Ashoka Reddy

HoD's Message



A newsletter PULSE reflects a clear picture of Mechanical Department's activities. This issue of the Mechanical Engineering Department, I am confident, will send a favorable message to all students, faculty and staff. Congratulations to the newsletter's Editorial Board, who did an outstanding job in completing the mission. Sincere congratulations to all faculty, staff members and students for their successful efforts during the course of the period.

"Best Regards

Dr. K. Raja Narender Reddy

Mechanical Student Placements in April - 2022

M/s. Design Tribe (India) Pvt. Ltd (DTPL)



K. Raj Kausal

B18ME027



Ch. Mounika

B19ME183L

M/s. Sirpur Paper Mill Limited



G. Sai Shashank

B18ME036



B. Mahesh Kumar

B18ME036



A. Sai Anvesh

B18ME174

Student's Achievements



Ch. Rajeev (B19ME023) got selected for 39th Senior National Netball Championship 2021-22, held in Shri Balaji Sr. Sec. School Kalinga, Haryana during 30th March - 3rd April 2022. This team from Telangana secured second place in Senior National Netball Championship.



Manda Kalyan (B18ME121) secured Gold Medal in 200 Mts & Bronze Medal in 100 Mts Running



S. Manoj Kumar (B18ME163), Bhukya Ramesh (B21ME144L), Gandham Amarnath (B21ME053), Gugulothu Shekar (B21ME040) secured Gold Medal in 4 x 100 Mts Running



J. Kalyan Kumar (B18ME044), M. Kalyan (B18ME121), Mohd. Farhan Ahmed (B18ME135), M. Chandu (B19ME055) secured Bronze Medal in 4 x 100 Mts Running



S. Manoj Kumar (B18ME163), secured Gold Medal in Triple Jump and Bronze Medal in 400 Mts Running



B. Ramesh (B21ME144L), secured Gold Medal in Long Jump and Silver Medal in Triple Jump



B. Shirisha (B21ME005) secured Gold Medal in Javelin Throw, Gold Medal in Disc Throw and Silver Medal in Short Put.

Certificate of Appreciation



Certificate of Appreciation presented to **T. Vishnu** and **Teja** for effective live streaming of NBA Tire-I Pear Team visit during November 11-12, 2021 at KITSW.

Congratulations...!



Dr. Suddala Chandramouli

Sri S. Chandramouli, Assistant Professor, Department of Mechanical Engineering, Kakatiya Institute of Technology and Science, Warangal (KITSW), has been awarded Ph.D. degree for his thesis titled "*Multi Objective Optimization of Electric Discharge Machining Process Parameters*" by the Kakatiya University, Warangal in 2021.

Paper Published by the Faculty in April - 2022

Shakuntala Ojha "*Erosion Wear Characteristics of Step-wise Layered Polymer Composite Materials by Silica Sand Particles*" Journal of Materials: Design and Applications, April 2022

Shakuntala Ojha "*A comparison of the effect of Nano clay addition on micro structures and mechanical properties of Epoxy and Polyester Reinforced Glass/Sisal hybrid polymer composites*" Polymer Composites, April 2022

Training Programmes for Students in April - 2022



VI Semester B. Tech (ME) Students attended A Short Term Training Programme on Mechatronics, PLC Programming and IoT Applications Organized by Siemens Center of Excellence, NIT Warangal from 7th-8th April 2022.



A short term training programme on "3D Printing" organized by Smt. G. Sumithra, Assistant Professor, MED for the students to improve the knowledge and modeling skills using techniques of 3-D printing on 25th April 2022

Webinars conducted during April - 2022

- Webinar on **"Biography of Sarojini Naidu-Nightingale of India"** by K. Ruthwik (B19ME127) on 04-04-2022
- Webinar on **"TAKACHAR-Converting Agricultural Residue into Rich Carbon Dense"** by Mr N. Rupesh Kumar (IV B. Tech- MED) on 06-04-2022
- Webinar on **"Revolutionary leader- Jatindra Nath Mukherjee"** by T. Radha Krishna (B21ME138L) B.Tech IV SEM on 11-04-2022
- Webinar on **"TILAK MEHTA meet the youngest Entrepreneur"** by Dharma Sahithi (II B. Tech- MED) on 13-04-2022
- Webinar on **"Portrait of a Hindutva Poiner Gazula Laxminarasu Chetty"** by S. Abhinav Kumar (B20ME212L) III B. Tech ME on 18-04-2022
- Webinar on **"Kiran Chopra-Founder & Director of Chirayu Power Pvt. Ltd"** by N. Kavya Sai (II B. Tech- MED) on 20-04-2022.
- Webinar on **"A True Warrior King "KERALA VARMA-PAZHASSI RAJA"** by K V R S Teja (II B. Tech- MED) on 25-04-2022
- Webinar on **"Auto micro UAS drone-Innovating the Future of Today"** by S. Sushmith (II B. Tech- MED) on 27-04-2022

Alumni Lectures Series



Ms. S Divya, Asst System Engineer Trainee, TCS and Ms G Shainetha, Graduate Engineer Trainee, Hyundai Motor India Engineering visited the Department on 9th April 2022.



Mr. Sri Venkata Subrahmanyam Vempati Hyundai Motor Group Hyderabad addressed students on "Career Opportunities in Automobile Industry" on 19th April 2022.



Md. Furqan Ahmed (cognizant technology solutions), Mohammed Aamir and Alugu Srinadh (OTTO VON GUERIECK UNIVERSITY MAGDEBURG, GERMANY) addressed students on "Masters Program in German Universities" on 21st April 2022



Sri Harsha Sharma, ME-Tool Design, CITD addressed students on "Career opportunities in Mechanical Engineering" on 18th April 2022

Placement Awareness Programme

Prof. K. Raja Narender Reddy
TPO, Manager-Corporate Relations of T&P activities addressed students on "Awareness of T&P activities and opportunities in Core and IT industries" on 28th April 2022.





A technical session on "Knowledge, Skills, Qualities and Abilities gained during industrial visits & STTP" by III year B.Tech. students and shared their experience on 12-04-2022.

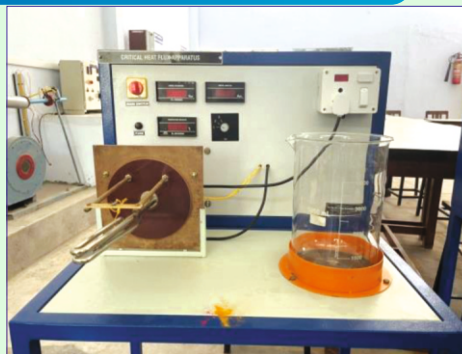


A technical session on "Insights on Information and Hands-on experience acquired during industrial visits & STTP" by III year B.Tech. students and shared their experience on 19-04-2022.



Interactive Session on "how to Crack The Core - Insights on recruitment procedure of JSW steel" by A.V.S. Ramanuja Charyulu and shared his experience on 26-04-2022

Newly added Equipment in the Laboratories (Heat Transfer Lab)



Procured and installed Heat Transfer Laboratory Equipments : (1) Composite walls Apparatus (2) Lagged pipe Apparatus (3) Thermal Conductivity of Insulating powder (4) Thermal Conductivity of metal bar (5) Pin - fin apparatus (6) Unsteady state of Heat Transfer (7) Forced Convection (8) Natural Convection (9) Parallel & Counter flow Heat Exchanger (10) Emissivity (11) Stefan Boltzmann constant (12) Condensation (13) Critical Heat flux and (14) Two phase Heat transfer on 8th April 2022. Total expenditure is Rs. 5,40,000/-



Inauguration of Heat Transfer Lab by Prof. K. Ashoka Reddy, Principal KITSW on 08th April, 2022