RAJEEV INSTITUTE OF TECHNOLOGY
Plot 1-D, Growth Center, B-M Bypass Road, Hassan, Karnataka - 573201.

MERIT

DEPARTMENT OF MECHANICAL ENGINEERING



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DEPARTMENT NEWSLETTER

MESSAGE FROM THE DESK



Dr. Dhananjaya D A *B.E, M.Tech, PhD*
Head of the Department, Mechanical Engg.

The Department of Mechanical Engineering was founded in 2008 for the Bachelor of Engineering programme. The department has great educational facilities. It is developing a learning atmosphere with devoted, highly qualified, and experienced faculty.

Mechanical engineering is a broad and dynamic area that focuses on the design, development, and operation of machinery and mechanical systems. t is essential in many industries, including automotive, aerospace, energy, manufacturing, and robotics

The state-of-the-art laboratories and workshops are fully equipped with contemporary instruments and machinery to keep up with the newest development trends in the sector. The department comprises well-equipped classrooms, a workshop, a machine shop, and computer laboratories.

A 3D printing centre of excellence has been established in the department to provide as a hub for research, development, and training in 3D printing techniques, materials, and applications through collaboration with CDAC-Hyderabad under the Futureskills prime-an initiative of Nasscom.

The department organises a variety of technical events for students on a regular basis, such as workshops, technical talks, industry visits, and seminars. This will broaden the pupils' perspectives by exposing them to the most recent technical advances.

DEPARTMENT ACTIVITIES

The Department of Mechanical Engineering & Department of Electronics and Communication Engineering jointly organized a Technical Talk on Robotics and Metaverse "ROBOYATRA" by Holoworld, Mysuru on 2nd December 2022.

Mr. Harshavardhan Kikkeri, CEO, Holoworld Mysuru has shared his insights about the future of Robotics and Virtual reality and Virtual laboratories. Demonstration of the virtual laboratory has been done for the students of 5th and 7th



TECHNICAL TALK ON ROBOTICS & METAVERSE BY HOLOWORLD MYSURU

FACULTY ACHIEVEMENTS

1. Dr. Kuldeep B, Associate Professor, Department of Mechanical Engineering has been selected as a reviewer for ceramic international, Elsevier publication for the year 2022
2. Dr. Kuldeep B, Associate Professor, Department of Mechanical Engineering has been selected as a reviewer for Applied Composite Materials Journal, Springer Publication for the year 2022 & 2023

> "My childhood dream was to study mechanical engineering. After reading 'The Mysterious Island' – which I read 25 times as a boy – I thought that was the best thing a person could do. The engineer in the book knows mechanics and physics, and he creates a whole way of life on the island out of nothing. I wanted to be like that."
>
> – Dan Shechtma

DEPARTMENT VISION

To become center of excellence in education and research, providing students with a well-rounded education in mechanical engineering for the betterment of society.

DEPARTMENT MISSION

- To provide the students with the fundamental knowledge necessary for a successful career in mechanical engineering.
- To empower students for higher education and active research development to contribute to the engineering profession and society.

PSO

The Department of Mechanical Engineering was established in 2008 with an intake of 60 students for the Bachelor of Engineering course. The department has excellent education facilities. With dedicated, highly qualified, and experienced faculty, it creates an environment conducive to learning. Keeping itself up to date with the latest development trends in the field, the laboratories and workshops are well equipped with modern instruments and machineries. The department has spacious and well-furnished classrooms, workshop, machine shop, and computer laboratories.

PEO

- To provide the students with the fundamental knowledge necessary for a successful career in mechanical engineering.
- To empower students for higher education and active research development to contribute to the engineering profession and society.

FACULTY REPRESENTATIONS

1. Mr. Anand H R, Assistant Professor , Department of Mechanical Engineering has attended 5day Faculty Development Program on 'Recent Trends in Automation Technologies for MSME development' held at National Institute of Engineering, Mysuru, from 30/01/2023 to 03/02/2023.
2. Mr. Vinay L, Assistant Professor , Department of Mechanical Engineering has attended 5day Faculty Development Program on 'DIGITAL MARKETING' held at Srinivas University Mangaluru, from 19/12/2022 to 23/12/2022.
3. Dr. Kuldeep B, Associate Professor, Department of Mechanical Engineering has attended online 5day Faculty Development Program on 'Moodle and E-content creation' conducted by Coorg Institute of Technology, Ponnampet from 27/07/2022 to 01/08/2022.

STUDENT ACHIEVEMENTS

1. 8th semester Mechanical Engineering students Lekhan B C, Mohan H R, Nishan S &, Yashwanth B have got VTU financial assistance 2021-22 for the project titled "Fabrication of Multipurpose Agriculture Vehicle by Rocker Bogie Mechanism" under the guidance of Mr. Vinay L, Assistant Professor, Department of Mechanical Engineering.
2. 8th semester Mechanical Engineering students Kiran Kumar H L, Sanjay Patel, Sagar N M, Prajwal B L have participated in Jnana-Vignana Tantragnana Mela 2023, held at Adichunchanagiri Universityon 19th & 20th February 2023 and exhibited the project titled "Extraction of Water from Air" under the guidance of Mr. Anand H R, Assistant Professor, Department of Mechanical Engineering.

CENTER OF EXCELLENCE

Department of Mechanical Engineering has setup a Center of Excellence for "3D-PRINTING" in May 2023 and started providing Training and inhouse Internships for both Mechanical Engineering and Civil Engineering students of RIT, Hassan.



TOT ON 3D PRINTING & ADDITIVE MANUFACTURING

A 15-days online training of trainers on "**3D Printing/Additive manufacturing**" was organized by the Department of Mechanical Engineering, RIT, Hassan in association with CDAC-Hyderabad Under the Future Skills PRIME program NIELIT, Calicut to empower the Trainers of Co-Lead and Spoke Centre in the emerging technology "3D Printing and Additive Manufacturing" in online mode. The program was designed with support from the industry and the academia from March 20, 2023, to April 04, 2023.

Course Objective: The Training of the Trainers program intended to cover

- Introduction to Additive Manufacturing
- Additive Manufacturing technologies
- CAD Modelling
- Reverse Engineering
- Design for AM
- Guidelines forTools and Techniques for AM process selection
- Troubleshooting
- Post processing of AM parts
- AM Applications and
- Future Directions of AM

SWARIT 2023



Vijay Prakash live-in concert



KTM motorbike stunt show



Dollu Kunitha

EDITORIAL BOARD

Kiran Kumar H L 8th sem

Harsha B S 6th sem

Mr. Vinay L Asst. Professor



mail: mehod@rithassan.ac.in
Phone: 08172-243180/81/83 Web: rithassan.ac.in
PLOT 1-D, GROWTH CENTER, B-M BYPASS ROAD,
HASSAN, KARNATAKA 573201