

Department of Mechanical Engineering

The Department of Mechanical Engineering was established in the year 2010. The department offers both B.Tech and M.Tech courses, with an annual intake of 120+ for the B.Tech program and 18 students for the M.Tech program. The postgraduate program, M.Tech in Computational Mechanics in Mechanical Engineering, was introduced in 2016.

Infrastructure and Laboratories

The department is equipped with 14 well-equipped laboratories that feature advanced equipment, including Wire EDM, 3D printer, CMM, CNC, Universal Milling, Robotic Arm, IC engines, which enable students to gain hands-on experience with basic to advanced equipment.

The department has a well-established Design and Simulation Laboratory with 90 high-end configuration systems that support software packages such as AutoCAD, CATIA, SOLIDWORKS, ANSYS, MATLAB, Deform 3D, Fusion 360, and Inventor, which help sharpen students' designing skills.

Collaborations and Placement

The department has signed MoUs with reputed institutes like CITD-Hyderabad, NFTDC, and NASSCOM Qualification Packs to intern students and improve their job opportunities. Many Mechanical Engineering graduates have secured placements in companies like FMC Technologies, Mahindra & Mahindra, BOSCH India, Hyundai, NFTDC, Toshiba, and other reputed organizations. The department actively participates in state and national level competitions and has won distinguished awards.

Vision

To be a global knowledge hub in mechanical engineering education, research, entrepreneurship, and industry outreach services. To develop and serve practicing engineers, industry, government, educational and technical societies through consultancy work by providing professional expertise.

Mission

- Impart quality education and training to nurture globally competitive mechanical engineers.
- Provide state-of-the-art research facilities to create, interpret, apply, and disseminate knowledge.
- Develop linkages with world-class educational institutions and R&D organizations for excellence in teaching, research, and consultancy services.

Courses and Training

The department organizes various short-term courses and training programs to enhance skills and knowledge in emerging technologies. Some notable programs include:

- Short Term Course (STC-2021) on Emerging Technologies in Processing of Advanced Materials and its Characterization, held from 4th January 2021 to 8th January 2021.
- Virtual interaction talk “Mechanical IN and OUT” by Harsh.Ch (B14), Design Engineer-Cyient, on 10th June 2020.
- Virtual meet on “What If I Were You: Road Map to Internship” by Harsh.Ch (B14), Design Engineer-Cyient, on 1st May 2020.
- Interaction talk on “Skills for Employment - Interview Tips” through Instagram by Srinivas.B (B09), Design Engineer (R&D) at Stryker, on 14th April 2020.

- Alumni talk “Road to be an Efficient Engineer” by M.Suresh (B08 Batch), Assistant Engineer-TSGENCO, on 4th January 2020.
- Training and skill development program on CNC machining for ITI (boys) from 15th July 2019 to 20th July 2019 as part of the Department Outreach Program.
- A contraption event during the Techfest 2019-2020, successfully conducted by the Department of Mechanical Engineering.
- FDP on product design engineering organized by the Mechanical Engineering Department in association with NASSCOM at RGUKT Basar from 3rd April 2018 to 7th April 2018.
- Talk show “Can Civils be a Better Option After B.Tech” by A. Subhash (B09 Batch), DSP-AP, on 4th August 2018.

Faculty Members

- **Dr. Abbadi Charan Reddy** – M.Tech, Assistant Professor (Head of the Department). Email: hod.me@rgukt.ac.in
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- **Mr. K. Mahesh** – M.S (IIT Madras), Assistant Professor. Email: mahesh.katakam@gmail.com
- **Ms. A.V.V. Anupama Sridevi** – M.Tech (IIT Kharagpur), Assistant Professor. Email: anupamasridevi@gmail.com
- **Mr. Nagaraju Gummadi** – M.Tech, Assistant Professor. Email: nagarajug.me@gmail.com
- **Dr. V. Chandra Sekhara Rao P** – M.Tech, Ph.D (IIT Madras), Assistant Professor. Email: chandrasekhararaopv@rgukt.ac.in
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- **Mr. Abbadi Charan Reddy** – M.Tech, Assistant Professor. Email: cheran.abbadi@gmail.com

Staff Members

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Events and Initiatives

- Short Term Course (STC-2021) on Emerging Technologies in Processing of Advanced Materials and its Characterization, organized from 4th January 2021 to 8th January 2021.

- Mentor Hours – Virtual interaction talk “Mechanical IN and OUT” by Harsh.Ch (B14), Design Engineer-Cyient, on 10th June 2020.
- Virtual meet – “What If I Were You: Road Map to Internship” by Harsh.Ch (B14), Design Engineer-Cyient, on 1st May 2020.
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