



## Department of Mechanical Engineering

### Courses Offered

The department is interminably engaged in imparting quality education, producing outstanding graduates to meet the societal needs through its qualified faculty and state-of-art infrastructure. Department offers 4 years BE course with 30 intake and 2 years post-graduation course (M.Tech) in Product Design and Manufacturing with 18 intake. Department is recognized as Research Centre by VTU.

The courses currently offered by the Department are:

#### UG Program

##### **BE- Mechanical Engineering:**

BE Mechanical Engineering started with the motivation of producing Skilled Engineers affiliated to VTU. Mechanical Engineering is perhaps the most diverse & Versatile of the engineering discipline. Department was established in 1999 with intake of 60 students. Department offers 4 years BE course with 30 intake. Department is conducting seminars, workshops, soft skill programs in every semester and students are going to learn the various subject likes Elements of Mechanical Engineering, Heat Transfer, Kinematics of Machinery, Fluid Mechanics, Finite Element Method, Operation Research, Vibrations etc. Based on importance, department is conducting hands on experience to know the details of any kind of machine in every semester, Department is allowing students to visit industries, workshops, paper presentations, cultural, technical skills quiz's etc. Department has made rapid strides in providing all the facilities needed for training the students, blessed with highly qualified, dedicated and competent team of faculty members and technical staff. Provides excellent practical training like I C Engine lab, Heat transfer lab, fluid mechanics lab, Ansys lab, Energy conversion lab etc. Department is providing sports facility, project exhibition & presentation, forum activities & other innovative ideas to execute from students.

**M.Tech - Product Design and Manufacturing:** Department places highest priority on innovative etc, P G programs started in 2011 with intake of 18, other than this the course included Product design and development programs of instructions that include both traditional class room theory and professional skills like presentations, seminars, workshops, ID&

Ergonomics, Advanced Manufacturing Practices, lean Manufacturing, Robust Design Etc. Advanced Mathematics, Finite Element Method.

**PhD Program:** Mechanical Engineering is one of the prestigious branches of Engineering and its giving first priority for Research & Development to execute innovative ideas in the field of cryogenics, computational fluid dynamics, Materials, Design and analysis etc. Department provides good facilities to the faculties and scholars from industry, Around 13 scholars awarded with PhD degree and 15 faculties are doing PhD Degrees from the Department, also department is giving importance to the MSc in Engineering by Research.