

# MECHANICAL ENGINEERING

## **Mission:**

1. To impart quality education to produce mechanical engineers and enhance their skills to become world renowned professionals.
2. To establish centers of Research excellence to inculcate research acumen in faculty and students on the areas like; machining, biomechanics, bio-fuels, composites and energy.
3. To provide state-of-the-art education and training programs to the faculty and students.

**Program Specific Outcomes (PSOs):** After successful completion of B.E. program in Mechanical Engineering, the graduates will be able to

**PSO 1:** Develop and implement new ideas on product design and development with the help of modern computer aided tools while ensuring best manufacturing practices.

**PSO 2:** Apply Engineering knowledge and design & analysis tools to solve problems in the domains of structural, thermal and fluid mechanics.

**PSO 3:** Engage professionally in industries or as an entrepreneur by applying manufacturing and management practices.

**Program Educational Objectives (PEOs):** The Bachelor of Engineering (B.E.) specialized in Mechanical Engineering is designed to achieve the following objectives after four to five years of graduation. They will be able to

**PEO 1:** Apply/improve their knowledge in basic sciences for excelling in various disciplines of Mechanical Engineering with the emphasis on Design, Thermal and Manufacturing.

**PEO 2:** Enhance professional practice to meet the global standards with ethical and societal responsibility.

**PEO 3:** Solve industrial, social and environmental problems with modern engineering tools.

**PEO 4:** Develop skills to work in teams, think intellectually and pursue life-long learning.