**Department**

Vision

The Mechanical Engineering Department strives to be recognized as an excellent education and research centre for socioeconomic upliftment of society to develop innovative engineers who are successful in advanced fields of engineering.

Mission

* Quality education to be provided to the students along with enhancement of their skills to make them globally competitive mechanical engineers.
* Development of linkages with top R&D organizations and educational institutions in India and abroad for excellence in teaching, research and consultancy practices.
* Introduction of additional courses at Graduate level in the field of Automobile Engg, Bio mechanics
* Strengthening Continuing Education with special focus on training and skills up gradation of teaching and technical manpower of the region
* Enhancement of Industrial Consultancy and Testing
* Enhancement of research activities through AICTE/DST/UGS sponsored research projects
* New PG courses to be introduced in the field of Thermal Sciences and CAD/CAM.
* Dedicated efforts to be made for enhancing employability of students

**Programme Educational Objectives**

1. To prepare students for successful careers in Indian and multinational industries/companies engaged in thermal systems,

manufacturing processes, machine design and the related fields.

2. To develop the ability among students to understand and synthesize data/information and technical concepts for application to product/system/process design.

3. To prepare students to be able to work as part of teams on multidisciplinary projects involving professional ethics and codes of professional practice.

4. To develop the ability among the students for taking research/teaching assignments.

**Programme Outcomes:**

a. Graduates will be able to use the basic knowledge of mathematics and science in engineering and technological applications.

b. Graduates will be able to identify, formulate and solve mechanical engineering problems.

c. Graduates will be able to design and conduct experiments, interpret and analyze data, and report results.

d. Graduates will be able to conceptualize and design the mechanical systems or processes that meet desired specifications and requirements.

e. Graduates will be able to function/participate as a member of the teams engaged min Engineering/Technology laboratories, as well as in multidisciplinary design teams in latest technologies.

f. Graduates will have ability to serve the society with professional ethics.

g. Graduates will be capable of self learning and development.

h. Graduates will have an understanding of the impact of engineering on society and demonstrate awareness of contemporary issues.

i. Graduates will be able to use modern engineering software tools and equipments to solve mechanical engineering problems.

j. Graduate will have the confidence to optimize available engineering resources.

k. Graduates will be able to deliver the engineering fundamentals in effective and innovative ways.

l. Graduates will be able to handle research projects for the development of engineering and technolog.