

Department of Mechanical Engineering

VISION OF THE DEPARTMENT

To empower the students with capabilities of academic, technical and professional competence in the field of Mechanical Engineering and to nurture them in the emerging areas to serve the society.

MISSION OF THE DEPARTMENT

M1 - To provide adequate knowledge in the field of Mechanical Engineering to take the real time challenges with professional skills.

M2 - To enhance continuous learning skills to meet employability objectives.

M3 - To impart strong ethical qualities among students for serving the society.

PSO- PROGRAM SPECIFIC OUTCOMES

PSO 1: Application of Mechanical Engineering Principles

Diploma Graduates will be able to apply fundamental Mechanical engineering knowledge and skills to design, construct, and maintain industrial projects using modern software

PSO 2: Proficiency in Modern Tools and Project Management

Diploma Graduates will demonstrate proficiency in using modern tools and technologies for Analysis, Manufacturing and Designing projects adherence to budgetary constraints.

PEOs – PROGRAM EDUCATIONAL OBJECTIVES

PEO1

To impart strong educational foundation in the field of Mechanical Engineering for successful career in industry and higher education.

PEO2

To provide technical skills and resources to design, analyse and create innovative solutions for engineering problems in multidisciplinary work.

PEO3

To inculcate leadership qualities, ethical attitude and competence to excel individually and work with teams in lifelong learning.

OUTCOME BASED EDUCATION

PROGRAM OUTCOMES (POs)

PO1. Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

PO2. Problem analysis: Identify and analyses well-defined engineering problems using codified standard methods.

PO3. Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

PO4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

PO5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

PO6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

PO7. Life-long learning: Ability to analyses individual needs and engage in updating in the context of technological changes.

