**Programme Outcomes for M. Tech Mechanical Engineering (Design):**

PO-1: Independently/jointly carry out research/investigation and development work to solve practical problems.

PO-2: Formulate, analyze, interpret and synthesize problems in mechanical engineering design using modern tools and techniques following all ethical practices.

PO-3: Design component, process or system to meet desired needs of manufacturability, sustainability, economy, environment, health and safety.

PO-4: Write/prepare and present a substantial technical report/document.

PO-5: Develop competence to successfully execute Industry/R&D/Entrepreneurial projects, address societal needs and be a life-long learner.

**Programme Outcomes for M. Tech Mechanical Engineering (Manufacturing):**

PO-1: An ability to use appropriate analytical tools in identifying, searching, and formulating problems related to manufacturing engineering to reach the valid conclusions.

PO-2: To develop the ethical, societal, health, safety, legal and cultural values and consequent responsibilities relevant to manufacturing practices.

PO-3: To understand the importance of the sustainability in manufacturing domain through societal and environmental context.

PO-4: An ability to communicate knowledge through substantial technical reports.

PO-5: Engage in life-long learning in manufacturing technologies and contemporary issues.

**Programme Outcomes for M. Tech Mechanical Engineering (Thermal Engineering):**

PO-1: An ability to independently carry out research /investigation and development work to solve practical problems.

PO-2: An ability to write and present a substantial technical report/document.

PO-3: An ability to acquire and apply advanced knowledge in the area of thermal sciences.

PO-4: An ability to work effectively in interdisciplinary teams to develop efficient thermal systems for the society.

PO-5: An ability to apply engineering and scientific principles for the effective management of thermal systems.

PO-6: An ability to examine critically the outcomes of one’s actions and make corrective measures subsequently.