

## **Program Educational Objectives (PEO) - M.Tech (Manufacturing Engineering)**

PEO 1: Create Globally Competent Manufacturing Engineers with Exposure to Scientific and Engineering aspects of Product Life Cycle.

PEO 2: Create Sustained Interest in Science and latest Technologies of Manufacturing.

PEO 3: Enable Graduates with Strong Fundamentals and usage of appropriate Engineering Tools.

PEO 4: Develop Skills for Integrated Problem Solving, Analysis and Effective Communication in a Team-Based Environment.

PEO 5: Create Awareness of Societal Impact and Professional Ethics.

## **Program Outcomes - M.Tech (Manufacturing Engineering)**

- a. Graduates will Demonstrate the ability to Formulate and Solve Manufacturing Related Problems by applying Fundamental Principles.
- b. Graduates will Demonstrate ability to Design and Conduct Experiments, Interpret and Analyzes Data and Report Results.
- c. Graduates will Demonstrate ability to Design and Develop a Manufacturing System or a Process.
- d. Graduates will be able to Independently Analyze Complex Problems with their Course Background and Dissertation Work carried out during Program.
- e. Graduates will be familiar with CAD, CAE and PLM Tools for Manufacturing Applications.
- f. Graduates will have the Confidence to apply Engineering Solutions in Global and Societal Contexts.
- g. Graduates will have the ability to Design and Evaluate a Manufacturing System/Process which is Environment Friendly with Appropriate consideration for Public Health and Safety.
- h. Graduates will Demonstrate an Understanding of their Professional Ethical Responsibilities.
- i. Graduates will Demonstrate ability to Function Effectively Individually and also as a Team Member in Multidisciplinary activities.
- j. Graduates will be able to Communicate Effectively in both Verbal and Written Forms.
- k. Graduates will be capable of Self-Education and clearly Understand the value of Life-long Learning in Continuing Professional Development.
- l. Graduates will have the ability to Employ Effective Project Management Skills to Develop a Project Plan.