Programme Educational Objectives (PEO) of B.E (Mechanical Engineering):

1. To provide a quality undergraduate education for students entering the mechanical engineering profession or seeking careers in related fields.
2. To advance scientific knowledge through basic and applied research.
3. To disseminate technical information through scholarly publication, conferences and continuing education.
4. To enable to acquire knowledge of relevant technologies and multidisciplinary fields including broad social, ethical and environmental issues within which the engineering is practiced.
5. To develop problem solving approach using analytical abilities, effective communication skills and team work
6. To create awareness and understanding related to societal issues, apart from developing a sense of commitment to the community and profession with sincere involvement.

Program Outcomes (POs) of B.E (Mechanical Engineering):

On completion of the program, the Mechanical Engineering Graduates are expected to:

a. Be competent in applying basic knowledge of science and engineering for the purpose of obtaining solution to a multi-disciplinary problem.
b. Gain knowledge of understanding and analyzing complex engineering problem.
c. Be able to design system components and processes meeting all applicable rules and regulations.
d. Be capable of undertaking suitable experiments/research methods while solving an engineering problem and would arrive at valid conclusions based on appropriate interpretations of data and experimental results.
e. Continually upgrade his/her understanding and become confident in applying recent engineering practices and soft tools along with other appropriate techniques and resources.
f. Exhibit understanding of societal and environmental issues (health, legal, safety, cultural, etc.) and consequent responsibilities relevant to professional engineering practice.
g. Be proficient in arriving at innovative solution to a problem with due considerations to society and environment.
h. Be committed to professional ethics, and economic, environmental, societal, and political norms.
i. Demonstrate appropriate inter-personal skills to function effectively as an individual, as a member or as a leader of a team and in a multi-disciplinary setting.
j. Be able to comprehend and write effective reports and design documentations; give and receive clear instructions; make effective presentations and communicate effectively and convincingly on complex engineering issues with engineering community and with society at large.
k. Be conscious of financial aspects of all professional activities and shall be able to undertake projects with appropriate management control and control on cost and time.
l. Recognize the need for continuous learning and will prepare himself/ herself appropriately for his/her all-round development throughout the professional career.