

Programme Educational Objectives (PEOs):

- I. Graduates will be engaged in ongoing learning and professional development through self-study, continuing education in mechanical engineering and also in other allied fields.**
- II. Graduates will apply their engineering skills, exhibiting critical thinking and problem solving skills in professional engineering practices or tackle social, technical and business challenges.**
- III. Graduates will adopt ethical attitude and exhibit effective skills in communication, management, teamwork and leadership qualities.**

Programme Outcomes(POs):

At the end of the Programme, a graduate will be able to

- 1. Apply the knowledge of basic sciences and fundamental engineering concepts in solving engineering problems.**
- 2. Identify and define engineering problems, conduct experiments and investigate to analyze and interpret data to arrive at substantial conclusions.**
- 3. Propose an appropriate solution for engineering problems complying with functional constraints such as economic, environmental, societal, ethical, safety and sustainability.**
- 4. Perform investigations, design and conduct experiments, analyze and interpret the results to provide valid conclusions.**
- 5. Select/develop and apply appropriate techniques and IT tools for the design & analysis of the systems.**
- 6. Give reasoning and assess societal, health, legal and cultural issues with competency in professional engineering practice.**
- 7. Demonstrate professional skills and contextual reasoning to assess environmental/societal issues for sustainable development.**
- 8. Demonstrate Knowledge of professional and ethical practices.**
- 9. Function effectively as an individual, and as a member or leader in diverse teams, and in multi-disciplinary situations.**
- 10. Communicate effectively among engineering community, being able to comprehend and write effectively reports, presentation and give / receive clear instructions.**
- 11. Demonstrate and apply engineering & management principles in their own / team projects in multidisciplinary environment.**
- 12. Recognize the need for, and have the ability to engage in independent and lifelong learning.**

Mapping:

Mapping of PEOs with the expected Program outcomes

The Mechanical Engineering Program Outcomes leading to achievement of Programme Educational Objectives are summarized in the following Table.

3 = Strong, 2 = Moderate & 1 = Weak

Programme Educational Objectives (PEOs)	Programme Outcomes (POs):											
	1	2	3	4	5	6	7	8	9	10	11	12
I	3	2	1	1	2	1	3	2	1	1	2	3
II	2	3	3	3	2	3	2	2	1	1	2	2
III	1	1	2	1	2	3	3	3	3	3	3	2