Graduate Attributes	Programme Outcomes
Engineering Knowledge	1.Apply the knowledge of mathematics, science, engineering fundamentals and mechanical engineering to the solution of complex engineering problems
Problem Analysis	2.Identify, formulate, review research literature and analyze complex engineering problems reaching viable solutions using principles of mathematics, natural science and engineering science.
Design/Development of solutions	3.Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate considerations for the public health and safety and environmental considerations.
Conduct investigations of complex problems	4.Use research based knowledge and research methods including design of experiments, analyze and interpretation of data and synthesis of the information to provide valid conclusions
Modern Tool Usage	5.Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
The Engineer and Society	6.Apply reasoning informed by the contextual knowledge to assess social, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice

Graduate Attributes	Programme Outcomes
Environment and sustainability	7.Understand the impact of professional engineering solutions in social and environmental context and demonstrate the knowledge and the need for sustainable developments.
Ethics	8.Apply ethical principals and commit to professional ethics and responsibilities and norms of engineering practices
Individual and team work	9.Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.
Communication	10.Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documents, make effective presentations and give and receive clear instructions.
Lifelong learning	11.Recognize the need the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.
Project management and finance	12.Demonstrate knowledge and understanding of the engineering and management principals and apply this to ones own work, as a member and leader in team, to manage projects and in multidisciplinary environment.

Programme Specific Outcomes (PSOs)
1.Applying interdisciplinary engineering knowledge and skills in order to fit into core mechanical engineering as well as information technology and management positions in any organization.
2.Design, synthesis and analyze mechanical, fluid, thermal and multidisciplinary component or systems by adopting analytical, numerical and experimental techniques to build environmental friendly systems by harnessing renewable energy.
3.Contribute to the project teams in the core and associated domains by using modern tools for drafting, modeling, analyzing and simulating the product.
4.Function as an independent or as a team member in multidisciplinary activities teams with good professional and communication skills.
5.Recognize and adapt to emerging field of application in engineering and technology and develop self-confidence for continuing education and lifelong learning process.
6.Understand the human value and commitment to serve the society.