Program Education Outcomes

- PEO I: Demonstrate the knowledge acquired to design and develop innovative software solutions.
- PEO II: Exhibit technical skills and excel as computer professionals, academicians, researchers and entrepreneurs.
- PEO III: Execute professional practice to serve the society with ethics.

Program Outcomes

Graduates will have ability to:

1. **Engineering Knowledge:** Apply the knowledge of mathematics, natural sciences, engineering fundamentals specialization to the solution of complex engineering problems
2. **Problem Analysis:** Identify, formulate, review research literature and analyze complex Engineering Problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
3. **Design / Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet specific needs with appropriate consideration for the public health and safety and the cultural, societal and environmental considerations.
4. **Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of

experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

5. **Modern Tool Usage:** Create, Select and Apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. **The Engineer and Society:** Apply Reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and Team Work:** Function effectively as an individual and as a member or leader in diverse teams and in multi-disciplinary settings.
10. **Communication:** 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 documentation make effective presentations and give and receive clear instructions.
11. **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply this to one's own work, as a member and leader in a team, to manage projects and in multi-disciplinary environments.
12. **Life – Long Learning:** Recognize the need for and have the preparation and ability to engage in independent and lifelong leaning in the broadest context of technological change.

Program Specific Outcomes

- PSO 1:Understand, analyse and develop software products and solutions using standard practices and strategies in the areas related to algorithms, system software, multimedia, web design, database, and networking for effective and efficient design of computer-based systems of varying complexity. .
- PSO 2: Employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies.