**PROGRAM EDUCATIONAL OBJECTIVES (PEOs):**

1. To contribute to the solution of complex technical problems that exist in the software industry.
2. To Participate in research and thrive in a multi disciplinary, systems oriented work environment.
3. To understand their ethical roles as a professional engineer for society and strive to promote a practice of integrity, tolerance and respect in the work place.
4. To be lifelong learners who continue to pursue professional development.

**PROGRAM OUTCOMES (POS):**

Engineering Graduates will be able to:

a. **Engineering knowledge**: Apply the knowledge of Mathematics, Science, Engineering fundamentals and Computer Science and Engineering to find the solution of complex Engineering problems.

b. **Problem analysis**: Identify, formulate and analyze complex Computer Science and Engineering in the area of Hardware, Software, Theoretical Computer Science and applications to reach significant conclusions by applying Mathematics, Natural Sciences and Computer Science and Engineering principles.

c. **Design/development of solutions**: Design solutions for complex Engineering problems and design system, components or processes that meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, for the public health and safety, and the cultural, societal, and environmental considerations.

d. **Conduct investigations of complex problems**: Use research-based knowledge and research methods to perform analyzing, design of experiments for complex problems in designing, developing, interpreting of data, and synthesis of the information to provide valid conclusions.

e. **Modern tool usage**: Create, select, and apply state of the art tools and techniques in designing, testing and Understanding a computing system or its components.

f. **The Engineer and society**: Solve professional, societal, health, cultural, safety, ethical and legal issues. That might arise in the context of the professional practice in Computer Science and Engineering.

g. **Environment and sustainability**: Understand the impact of Engineering solutions in global, economics, environmental and societal context for sustainable development.

h. **Ethics**: Apply ethical principles and commit to professional ethics and pledge to the norms / responsibilities in the Engineering practice of Computer Science.

i. **Individual and team work**: Function individually and effectively in Multi – disciplinary teams to strive towards achieving common goals.

j. **Communication**: Communicate effectively with peer community and society on complex software/ system Engineering activities through unambiguous spoken language. Presentations, written reports, documentation give and receive clear instructions.

11. **Project management and finance**: Apply the knowledge of Engineering and Management Principles to manage projects as a team member or leader in Multi – disciplinary teams.

12. **Life-long learning**: Recognize the need for, and engage in lifelong learning to cope up with rapidly evolving disciplines of Computer Science and its allied Engineering application domains