

# COMPUTER SCIENCE & ENGINEERING

## Programme Educational Objectives (PEOs)

- Apply the principles and practices of Computer Science and Engineering encompassing Mathematics, Science and Basic Engineering and to employ the modern engineering tools effectively in their profession with their World-class technical competence.
- Excel in the field of software industry or in higher studies endowed with the spirit of innovation and entrepreneurship by evolving their professional knowledge on a lifelong basis.
- Possess expertise to function as members of multi-disciplinary teams and implement software technology solutions for real-world problems of international standards and will be achievers at the global level.
- Practice the profession with ethics, integrity, leadership and social responsibility with a good insight of the changing societal needs for the benefit of humanity.

## Programme Outcomes (POs)

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 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.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 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.
- 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.
- 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.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

- **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.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

### **PROGRAM SPECIFIC OUTCOMES (PSOs)**

- Apply knowledge acquired from the basic hardware design and software core areas of Computer Science and Engineering for solving real world problems.
- Apply cutting edge technologies and strong analytical skills to develop quality software in scientific and business applications for the betterment of society and Industry.
- Employ modern computer languages, environments and platforms in creating innovative career paths to be an entrepreneur and with a zeal for higher studies.

### **Faculty :-**

 <p><b>Mr. Vivek Kumar</b> Assistant Professor (Ph. D. *) viveksiru4u@gmail.com</p>	 <p><b>Mr. Ved Prakash</b> Assistant Professor (M.Tech) Vedprakash.vp.2105@gmail.com</p>	 <p><b>Mr. Rahul Kumar Deo</b> Assistant Professor (M.Tech.) Rahuldeo91@gmail.com</p>
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## Computer Labs Gallery







