



SRI VELLAPPALLY NATESAN COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Programme Educational Objectives (PEOs) for 2019-2020

1. To provide students with a strong foundation knowledge and to engage them in lifelong learning and self-education.
2. To enable students to acquire skills to communicate effectively and encourage team work
3. To prepare graduates who will be successful professionals in industry, government, academia, research.
4. To develop an ability to analyze the requirements of the software, understand the technical specifications, design and provide solutions for a product designs.
5. To prepare the students for a successful career and work with values & social concern.
6. To inculcate a passion towards higher education, research and lifelong learning in the field of Computer Science and Engineering.



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Programme Outcomes (POs) for 2019-2020

On Completion of the programme Graduates will be able to:

1. **Applying engineering knowledge:** An ability to apply knowledge of computing and mathematics to solve engineering problems.
2. **Problem Analysis:** An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. **Design/development of solutions:** To design, implement and evaluate a computer based process or program to meet the desired requirements.
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. **Resource and tool usage:** Select, and apply appropriate techniques, resources and IT tools
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:** An ability to analyze the local and global impact of computing on individuals, organizations, and society.
8. **Team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
9. **Communication:** Write effective reports and design documentation, make effective presentations to effectively communicate with wide range of audience.
10. **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.



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Programme Specific Outcomes for 2019-2020

1. Attain the ability to design and develop hardware and software based system to provide creative solutions
2. The ability to apply software development life cycle principles to design and develop the application software that meet the automation needs of society and industry.
3. Ability to use algorithms, data structures, software design, concepts of programming languages and computer organization & architecture.
4. Gain knowledge in diverse areas of Computer Science and cultivate skills for successful career, entrepreneurship and higher studies.