

CS PROGRAM EDUCATIONAL OBJECTIVES



To systematically identify, formulate, and solve computer science problems.

.PEO-1

To apply fundamental knowledge of computer science to develop computing systems for solving real world problems or to pursue graduate studies.

.PEO-2

To utilize communication and analytical skills to work collaboratively and effectively, including supportive and leadership roles on interdisciplinary teams.

.PEO-3

To understand and demonstrate professional and ethical conduct in the global society and to demonstrate the desire for professional growth and life-long learning.

.PEO-4

CS Program Outcomes

- a) An ability to apply knowledge of computing and mathematics appropriate to the discipline.
- b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
- c) An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
- d) An ability to function effectively on teams to accomplish a common goal.
- e) An understanding of professional, ethical, legal, security and social issues and responsibilities.
- f) An ability to communicate effectively with a range of audiences.
- g) An ability to analyze the local and global impact of computing on individuals, organizations, and society.
- h) Recognition of the need for and an ability to engage in continuing professional development.
- i) An ability to use current techniques, skills, and tools necessary for computing practice.
- j) An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
- k) An ability to apply design and development principles in the construction of software systems of varying complexity.