



SCIENT INSTITUTE OF TECHNOLOGY

Ibrahimpatnam. R.R Dist - 501506

(Approved by AICTE & Affiliated to JNTUH, Hyderabad)

COMPUTER SCIENCE AND ENGINEERING

PROGRAM EDUCATIONAL OBJECTIVES(PEOs)

PEO1	Students will establish themselves as effective professionals by solving real problems through the use of computer science knowledge and with attention to team work, effective communication, critical thinking and problem solving skills.
PEO2	Students will develop professional skills that prepare them for immediate employment and for life-long learning in advanced areas of computer science and related fields.
PEO3	Students will demonstrate their ability to adapt to a rapidly changing environment by having learned and applied new skills and new technologies
PEO4	Students will be provided with an educational foundation that prepares them for excellence, leadership roles along diverse career paths with encouragement to professional ethics and active participation needed for a successful career.



SCIENT INSTITUTE OF TECHNOLOGY

Ibrahimpatnam. R.R Dist - 501506

(Approved by AICTE & Affiliated to JNTUH, Hyderabad)

PROGRAM OUTCOMES(POs)	
PO1	Engineering knowledge: Apply the knowledge of Mathematics, Science, Engineering fundamentals, and an Engineering specialization to the solution of complex Engineering problems.
PO2	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
PO3	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.
PO4	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.
PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations
PO6	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.



SCIENT INSTITUTE OF TECHNOLOGY

Ibrahimpatnam. R.R Dist - 501506

(Approved by AICTE & Affiliated to JNTUH, Hyderabad)

PO7	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.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	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.
PO11	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.
PO12	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.



SCIENT INSTITUTE OF TECHNOLOGY

Ibrahimpatnam. R.R Dist - 501506

(Approved by AICTE & Affiliated to JNTUH, Hyderabad)

PROGRAM SPECIFIC OUTCOMES(PSOs)

PSO1	Understand, design and analyze computer programs in the areas related to Algorithms, System Software, Web design, Big data, Artificial Intelligence, Machine Learning and Networking.
PSO2	Focus on improving software reliability, network security or information retrieval systems.
PSO3	Make use of modern computer tools for creating innovative career paths, to be an entrepreneur and desire for higher studies