Department of Computer Science & Engineering

Vision

Producing quality graduates trained in the latest technologies in the area of Computer Science & Engineering.

Mission

1. To provide quality engineering education to the students through state of art education in Computer science & engineering.
2. To provide a learning environment that helps students to enhance problem solving skills, be successful in their To establish industry institute interaction to make students ready for the industrial environment.
3. To provide a learning environment to improve their problem solving abilities, professional, and ethical responsibilities.

Programme Educational Objectives (PEOs)

Computer science graduates will have sufficient breadth of understanding to enable continued professional development and lifelong learning throughout their careers and will be sufficiently prepared to be innovative and ethical leaders in a global society.

PEO 1: Graduates will contribute to unified professional fields such as software development and hardware development.

PEO2: The department becomes the provider of well trained, highly talented, ethical, sensitive to environment and competitive technical human resources who will contribute in the development of allied industries and related economy.

PEO3: The graduates have highly technical and employability skills with capability of applying scientific and engineering knowledge in solving complex & critical real world problems related to fields such as programming, networking, information security, image analysis and advanced computing systems.

PEO4: The graduates are motivated to start their own enterprises and create employment for other professionals.

PEO5: The graduates will be empowered to pursue higher studies, skill oriented professional certifications, research and development activities by simplifying real world issues.

PEO6: The graduate will exhibit proficient communication skills, systematic team work strategies for testing and executing complex problems with their broad educational experiences, ethics and professionalism to ensure positive impact on society.

Program Outcomes (POs)

The outcomes of departments are that the students after successful completion of the course will acquire:

PO 1: To apply the knowledge of mathematics , science and engineering principles to solve Computer science and allied engineering problems.

PO 2: To formulate and analyze complex engineering problems using principles of mathematics, physics and Engineering sciences.

PO 3: To design system and solutions for complex engineering problems that meet specific societal needs.

PO 4: To design and conduct experiments to analyze and interpret data for complex systems.

PO 5: To select and apply appropriate modern engineering tools for complex engineering activities with an understanding of the limitations.

PO 6: To apply reasoning inferred by contextual knowledge to access societal health, safety and consequent responsibilities relevant to the professional engineering practices.

PO 7: To understand the impact of the professional engineering in societal and environmental contexts followed by demonstrating the knowledge for sustainable development.

PO 8: To understand ethical principles and social issues.

PO 9: To function effectively as an individual or a leader in diverse teams to accomplish a common goal.

PO 10: To understand and demonstrate engineering knowledge and management principles for managing projects in multi-disciplinary environments.

PO 11: To be able to develop and communicate design documents effectively & efficiently with diverse audiences.

PO 11: To recognize the need based technological changes by engaging themselves in independent and lifelong learning process.

About the Department

The Department of Computer Science & Engineering since its introduction in 2001 has taken several steps towards development and come a long way in establishing itself a department which commands both respect and importance. It is equipped with sophisticated laboratories and well qualified faculties who are not only technically skilled but also professionally competent. Faculty members have obtained recognition through publication at the national and international level in the areas of neural networks, pattern recognition and image processing etc. The chief co-ordinator has undertaken the AICTE project on MODROB, Govt. Teacher's training program for Dept. of Higher Education. Govt. of Odisha. Apart from classroom teaching, students are made adept in the sessional at the digital logic design lab, microprocessor lab, computer network and internet lab. The students have a 12-hour guide access to the Internet lab and are given a free hand in using the services of printers and scanners. The department also conducts seminars on a regular basis which helps the students in keeping pace with recent developments in the field of information science. The students of this department have undertaken project assignments in developing software for college timetable, student attendance registers, library information system which helps them to gain practical knowledge in real world problem. This Department offer M.Tech. in Computer Science & Engineering since 2005-06 academic session. Under TEQIP full time regular Ph.D. students are working. Alumnis are well established throughout the globe.