Department of Computer Science

Program Specific Outcomes (PSOs) and Course Outcomes (COs)

Programme: B. Sc. Computer Science

After successful completion of B.Sc. Computer Science, the student will be able to:

PSO No	Program Specific Outcomes (PSOs)
PSO 1	**Knowledge or Academic Expertise** i. Ability to apply knowledge of basic sciences, mathematics, probability and statistics to computer science and solve problems. ii. Ability to learn the fundamentals of computing systems, design and functionality of the hardware components and their underlying execution. iii. Ability to define, assess and adhere to software quality practices, and software processes and methodologies. iv. Apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computational systems. v. Students will be able to demonstrate and apply their knowledge of C,C++, Java,PHP Software Testing ,Database programming to develop effective software solutions vi. Equip themselves to potentially rich & employable field of computer science vii. Pursue higher studies in the area of Computer Science/Applications.
PSO 2	**Inquisitive Learner** i. Recognition of the need for and ability to engage in continuing professional development.
PSO 3	**Social Competence** i. Develop practical skills to provide solutions to industry, society and business.

PSO 4	**Effective Communication** i. Students will be able to demonstrate adequate skills in oral and written communication for technical English language, actively participate in group discussions and interviews and exhibit the evidence of vocabulary building. ii. Inculcate essential skills as demanded by the global software industry as well as global technical organization through interactive learning process. This also includes team-building skills, audio-visual presentations and personality development programs.
PSO 5	**Environmental Awareness** i. Understand and evaluate the global scale of environmental problems; and reflect critically on their roles, responsibilities, and identities as citizens, consumers and environmental actors in a complex, interconnected world.
PSO 6	**Digital Competence** i. To acquire necessary and state-of-the-art skills to take up industry challenges ii. Students will be able to adapt the skills to implement effective solutions for need based problems by applying knowledge gained through different programming languages, tools and software covered in the syllabus of program.
PSO 7	**Experiential Learning** i. Understand and develop computer programs in the areas related to algorithm, web design and networking for efficient design of computer based system. ii. Meet the requirements of the Industrial standards
PSO 8	**Ethical and Moral Values** i. An understanding of professional, ethical, legal, security, and social issues and responsibilities
PSO 9	**Stress Management**

	i. Managing the stress in order to teach effectively and to help students with their stress around learning. to enhance the well-being of student and reduce negative stressors that students confront like illness, injury, low levels of physical fitness, pressures to excel in academic and extracurricular activities, depression, anxiety etc.
PSO 10	**Extramural Skills** i. Encourage students to participate in Co-curricular activities which are important just as academics to learn to manage time, organizational skills and improved self-confidence.