

MSc Computer Science

Program Outcomes

1. Apply standard Software Engineering practices and strategies in real-time software project development using open-source programming environment or commercial environment to deliver quality product for the organization success.
2. Design and develop computer programs/computer-based systems in the areas related to algorithms, networking, web design, cloud computing, IoT and data analytics of varying complexity.
3. Acquaint with the contemporary trends in industrial/research settings and thereby innovate novel solutions to existing problems.
4. An ability to apply knowledge of computing and mathematics appropriate to the discipline.
5. An ability to function effectively on teams to accomplish a common goal.
6. An understanding of professional, ethical, legal, security and social issues and responsibilities.
7. An ability to communicate effectively with a range of audiences.
8. An ability to analyze the local and global impact of computing on individuals, organizations, and society.
9. Recognition of the need for and an ability to engage in continuing professional development.
10. An ability to use current techniques, skills, and tools necessary for computing practice.
11. 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.
12. An ability to apply design and development principles in the construction of systems of varying complexity.

Program Specific Outcome

1. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
2. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
3. Ability to provide socially acceptable technical solutions to complex computer science engineering problems with the application of modern and appropriate techniques for sustainable development relevant to professional engineering practice.
4. Ability to apply the knowledge of ethical and management principles required to work in a team as well as to lead a team.
5. Ability to comprehend and write effective project reports in multidisciplinary environment in the context of changing technologies.