

Course name : M. Sc.

Mode of study : Full time

Duration : 2 years

Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Department of Computer Science – PG

M.Sc. Computer Science

Programme Outcomes

- Students are able to develop the necessary learning skills and independence for further studies.
- They can initiate and lead projects within the scientific field and be responsible for the work of individuals and groups.
- They can communicate scientific information, challenges and findings to scholars as well as to general audience.
- They can have the capability of presenting and describing scientific issues and research findings in foreign languages.
- They can make decisions independently and professionally.

Programme Specific Outcomes

- The students can design and develop computer programs/computer-based systems in the areas related to algorithms, networking, web design, cloud computing, IT and data analytics of varying complexity.
- They can acquaint with the contemporary trends in industrial/ research settings and thereby innovate novel solutions to existing problems.

- They can demonstrate a sense of societal and ethical responsibility in their professional endeavors, and will remain informed and involved as full participants in our profession and our society.
- They can acquire strong communication skills and the ability to function effectively in multi-disciplinary teams.
- They are able to build strong bonding in team and display distinct leadership traits.

Course Outcomes

The courses of the programme will make the students

- to familiarize with the buzz words and technology of mobile communication.
- to understand the issues relating to wireless applications.
- to understand the concepts of how an intelligent system works and its brief development process.
- to expose the learners to Neural Network, Fuzzy Logic and Genetic Algorithms, which are the major building blocks of intelligent systems.
- to design, develop, document and test software using current techniques.
- to understand web services and implementation model for SOA (Service Oriented Architecture).
- to acquire a combination of both operating systems & database administration skills.
- to get knowledge of basic software engineering methods and practices, and their appropriate application.
- to acquire knowledge and application of collaborative tools for SW development.
- to provide ability to conduct research activities.