

# **B.Sc (Hons.)**

## **Program Outcomes**

### **B. Graduate Attributes in B.Sc. (Hons.)**

#### **Disciplinary knowledge:**

Ability to build (either independently or by joining higher academic program) on of the core science concepts learnt in the various science courses. Ability to apply the core computer science concepts to solve the problems in the IT industry.

#### **Problem solving:**

Graduates are equipped with skills to solve the computational problems at their workplace and for the society.

#### **Cooperation/Team work:**

Graduates demonstrate competence to use communication skills to participate or lead a team for a new initiative or for solving an existing problem.

#### **Communication Skills:**

Graduates demonstrate effective communication and presentation skills while interacting with professional peers and in the society.

#### **Scientific reasoning:**

Given a problem, the graduates will be able to analyze it, suggest solutions, and critically evaluate the solutions proposed by others.

#### **Professional Ethics:**

Graduates follow ethical principles and commitment to professional ethics, accountability, and responsibilities.

### **Research Related Skills**

The curriculum planning of B.Sc. (Hons.) programme not only infuses into the students the skillset and competence required to maintain the national standards but also makes them competent enough to be capable of comprehending international frameworks keeping in view research aspects in consideration.

### **Moral and Ethical Awareness**

The courses also involve training the students to check unethical behavior, falsification, and manipulation of information to avoid debacles which can be seen rising persistently over the period. It would also help in making responsible citizens and facilitate character building.

## **Program Specific Outcomes**

### **A. Aims of Bachelor Degree Programme in Computer Science B.Sc. (Hons.) CS**

- Develop theoretical foundations in computer science.
- Develop expertise in programming skills using high level programming languages.
- Develop skills to design, implement and document the solutions for computational problems.
- Develop soft skills to work effectively in a team to solve a problem.
- Develop the ability to use state of the art technologies.
- Inculcating the understanding of the needs of society and the importance of societal obligations.

### **Programme Learning outcomes for B.Sc. (Hons.) Computer Science**

- Ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
- Ability to design, implement, and evaluate a computer-based system, process, component, or program to solve the given problem.
- Ability to communicate effectively through oral and written means.
- Ability to work in a team to achieve a common goal