Course name   :   B. Sc.

Mode of study   :   Full time

Duration   :   3 years

Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Department of Computer Science – UG

B.Sc. Computer Science

Programme Outcomes

- ➢ The programme develops problem solving abilities using a computer.
- ➢ It trains students in professional skills related to software industry.
- ➢ It helps students to build-up a successful career in Computer Science.
- ➢ It addresses the need of hardware devices and circuits that are important in the real time scenario.
- ➢ The programme not only includes subjects that develop technical skills but also includes subjects to develop soft skills of students which enable them to get leadership skills and employability skills.

Programme Specific Outcomes

- ➢ Computer Science graduates will apply their knowledge and skills to succeed in their   career/ professional development and/or postgraduate education to pursue flexible career paths amidst future technological changes.
- ➢ Our graduates will apply basic principles and practices of computing grounded in mathematics and science to successfully complete hardware and/or software related engineering projects to meet customer business objectives and/or productively engage in research.
- ➢ Our graduates will demonstrate strong communication skills and the ability to function effectively in multi-disciplinary teams.

- Our graduates will demonstrate strong bonding in team and display distinct leadership traits.
- Our graduates can easily face the civil service as well as public service examinations.

Course Outcomes

- Students can have knowledge and expertise in at least one procedure-oriented and object- oriented programming language.

- Students can have a wide perspective on software development including web based applications as well as graphic applications.

- Students can have the ability to design and implement optimal databases using current technologies.

- Students can have understanding of design and working principles of the digital electronics.

- Students will be able to identify and describe the communication network technologies in local area networks, the internet and security threats.

- Students will be aware of the design principles of operating systems specializing on atleast one popular operating system.

- Students will be able to solve simple computational problems involving mathematical structures and processes.

- Students will know the concepts regarding the architecture and organization of a computer system.

- Students will be able to design and analyze algorithms as per need by relating the data structure and algorithms.