Course name : B.C.A

Mode of study : Full time

Duration : 3 years

Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Department of Computer application – UG

B.C.A

Programme Outcomes

- This programme provides an understanding of professional, ethical, legal, security, social issues and responsibilities for the computing profession.
- Students can have the ability to apply knowledge of computing and mathematics appropriate to the discipline.
- They can identify, formulate and develop solutions to computational challenges.

Programme Specific Outcomes

- Students can have the ability to engage in continuing professional development.
- They use appropriate techniques, skills and tools necessary for computing practice.
- They analyze impacts of computing on individuals, organizations and society.
- They apply design and development principles in the construction of software systems of varying complexity.

Course Outcomes

The courses of the programme will enable the students

- to master various process management concepts including scheduling, synchronization and deadlocks.
- to be familiar with multithreading.
- to master concepts of memory management including virtual memory
- to master the concepts of protocols, network interfaces and design/performance issues in local area networks and wide area networks.
- to be familiar with wireless networking concepts.
- to be familiar with network tools and network programming.
- to understand the structure of modern computer graphics systems.
- to understand the basic principles of implementing computer graphics primitives.
- to develop design and problem solving skills with application to computer graphics.
- to apply the knowledge and understand the working, characteristics and limitations of mobile hardware devices including their user-interface modalities.
- to understand and identify the Global System for Mobile Communications, General Packet Radio Service and Bluetooth software model for mobile computing.
- to analyze the process of GSM functioning and learn frequency band spectrum, air interface and channel structure, and interpret and compare the functioning of GSM and Code-division multiple access technology.
- to understand the impact of mobile communication on society either economic or health related issues.