

Bachelors Degree in Computers Application (BCA)



Duration 3 Years

Eligibility +2 in any stream

This is an undergraduate program where students are exposed to various areas of computer applications including the latest developments keeping pace with the industry.

Fast growing information technology and communication systems have become critical components of almost every company's strategic plan. Companies which want to take advantage of the new information technologies and communication systems require expert Professionals, who can apply computer science principles to solve problems produced by the interface between business and technology.

The course provides a sound academic base from which an advanced career in Computer Application can be developed. These graduates can start their career as Junior Programmer and get promoted to the post of senior Programmers & Project Managers in the IT sector.

Course Modules

Semester-1

- ↘ Introduction to Information Technology
- ↘ Math (Bridge Course)
- ↘ Basic Accounting
- ↘ Programming in C
- ↘ Communication Skills (Business Comm.)
- ↘ Communication & Soft Skills
- ↘ Software Lab-I (BC-101 & 103)
- ↘ Software Lab-II (BC-104)

Semester-2

- ↘ Principles of Management
- ↘ System Analysis & Design
- ↘ Math-I (Discrete)
- ↘ Data Structure
- ↘ Digital Ckt. & Logic Design
- ↘ Hardware Lab-I (BC-205)
- ↘ Software Lab-III (BC-204)

Semester-3

- ↘ Math-II (Computer Oriented Methods)
- ↘ Management Information Systems
- ↘ Software Engineering
- ↘ Object Oriented Programming in C++
- ↘ Introduction to Microprocessor
- ↘ Software Lab-IV (BC-304)
- ↘ Hardware Lab-II (BC-305)

Semester-4

- ↘ Computer Networks
- ↘ Data base Management System
- ↘ Computer System Architecture
- ↘ Operating System
- ↘ Workshop on Visual Basic
- ↘ Software Lab-V (BC-402)
- ↘ Software Lab-VI (BC-405) Unix/Linux

Semester-5

- ↘ Internet Applications and Java
- ↘ System Software
- ↘ Computer Graphics
- ↘ Operations Research
- ↘ Software Lab-VII (Major Project I)
- ↘ Software Lab-VII (BC-501)
- ↘ Software Lab-IX (BC-503)

Semester-6

- ↘ Artificial Intelligence
- ↘ Handling Operating Systems
- ↘ Software Lab-X (Major Project-II)
- ↘ Software Lab-XI (Web Designing)
- ↘ Software Lab-XII (BC-602)
- ↘ Seminar (BC-603)
- ↘ Comprehensive Viva-Voce