



SYLLABUS FOR BCA (Bangalore University)

Semester I

- Mathematics I
- Accounting & Financial Management I
- Functional Kannada
- Kannada Kali
- Basic Electricals & Electronics
- Computer Concepts & Programming
- Indian Constitution
- Computer Lab 1.1 (Based on BCA 104)
- Computer Lab 1.2 (Based on BCA 103)

Semester II

- Mathematics II
- Accounting & Financial Management II
- English
- Numerical & Statistical Methods
- Data Structures using C
- Human Rights & Environment Studies
- Computer Lab 2.1 (Based on BCA 204)
- Computer Lab 2.2 (Based on BCA 201 (B) & BCA 203)

Semester III

- Computer Organization & Architecture
- OOPS Using C++
- Discrete Mathematical Structures
- Visual Programming
- Personality Development & Communication Skills
- Computer Lab 3.1 (Based on BCA 302)
- Computer Lab 3.2 (Based on BCA 304)

Semester IV

- Design & Analysis of Algorithms
- System Analysis & Design
- System Programming
- Data Communications
- Microprocessors
- Computer Lab 4.1 (Based on BCA 401 & BCA 404)
- Computer Lab 4.2 (Based on BCA 405)

Semester V

- Operating Systems
- Internet Programming
- Data Base Management Systems
- Software Engineering
- Operations Research
- Computer Lab 5.1 (Based on BCA 502)
- Computer Lab 5.2 (Based on BCA 503)

Semester VI

- Computer Graphics
- E-Commerce & Web Designing
- Introduction to UNIX
- Object Oriented System Design
- Computer Networks
- Project Work
- Project Report:
- Viva Voce