

# St. George College of Management and Science

## BCA - Bachelor of Computer Applications

(As Per the Bangalore University Syllabus)

### I Semester

- Technical English & Report Writing
- Mathematical foundations for Computer Science
- Programming in 'C'
- Computer organization & Microprocessors
- Probability & Statistics
- 'C' Programming Lab
- Assembly Language Programming Lab

### II Semester

- Business Communication & Personality Development
- Discrete Mathematical Structures with Application to Computer Science
- Data Structures using 'C'
- Business Data Processing using COBOL
- System Analysis & Design
- COBOL Lab
- Data Structure lab

### III Semester

- Database Management Systems
- Object Oriented Programming using 'C++'
- Operating System
- Accounting & Financial Management
- Computer oriented Numerical Methods
- C++ lab
- Application lab –I (MS Office & Numerical Methods)

### IV Semester

- System Software
- Computer Graphics
- Software Engineering
- Unix Operating System
- DBMS lab
- Application lab - II (Accounting Package. Tally & Editor Design )
- Unix lab

### V Semester

- Java Programming & Web Page Development
- Analysis & Design of Algorithms
- Computer Networks -1
- Simulation & Modelling
- Computer Graphics lab
- Java Programming lab
- Simulation & Modelling lab

## **VI Semester**

- Internet & Information Technology
- Artificial Intelligence
- Computer Networks II
- Internet & Web Page Design lab
- Project Work