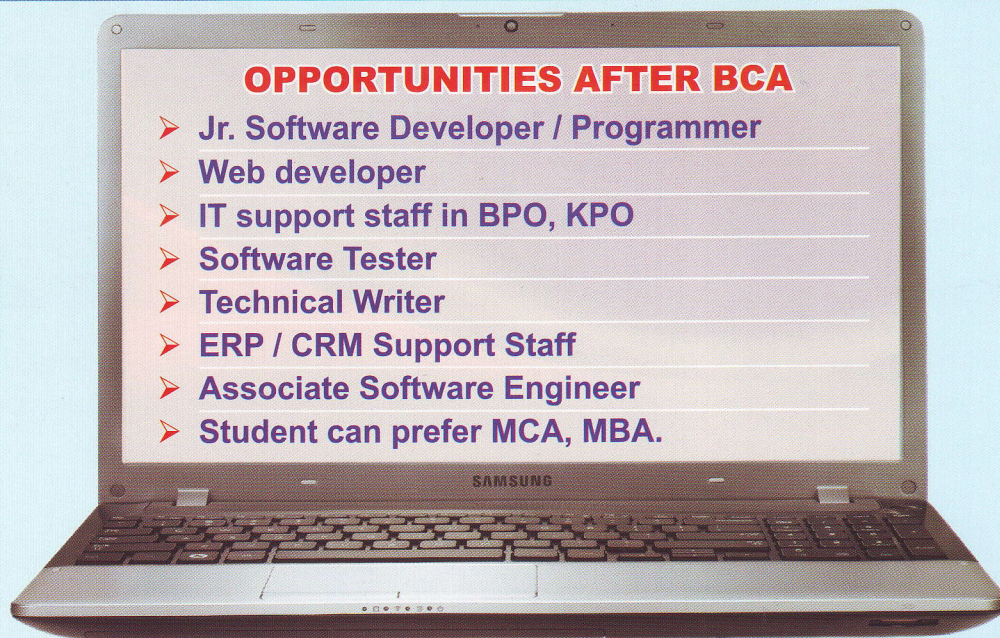**Bachelor of Computer Applications (BCA)** is a three years Full time course which is a perfect mix of System & Application Softwares. Course copes with latest trends in Information Technology & aims at developing young IT professionals with IT skills

ELIGIBILITY

- STD XII or HSC (Science / Commerce / Arts / MCVC) with 45% aggregate.
- Three Years Diploma in Engineering recognized by the state level Boards of Technical Education.
- Candidates with first class in Diploma (in Relevant field) can get admission to BCA Second Year and with Second Class Can get Admission to First Year.

E-mail : kbjiitbca@maharashikarvebcapune.org   Website : www.maharashikarvebcapune.org

OPPORTUNITIES AFTER BCA

- Jr. Software Developer / Programmer
- Web developer
- IT support staff in BPO, KPO
- Software Tester
- Technical Writer
- ERP / CRM Support Staff
- Associate Software Engineer
- Student can prefer MCA, MBA.

SYLLABUS OF BACHELOR OF COMPUTER APPLICATIONS (BCA)

BCA SEMESTER-I

1. Business and Technical Communication Skills
2. Principles and Practice of Accounting
3. Introduction of Programming and Problem Solving using C
4. Computer Fundamentals and Operating Systems
5. Problem Solving using C Lab
6. GNU/Linux Lab

BCA SEMESTER-II

1. Introduction to Logic Circuits and Digital Design
2. Discrete Structures and Graph Theory
3. Advanced C
4. Environmental Science and RTI
5. Advanced C Lab
6. Open Source Operating System and Applications Software Lab

BCA SEMESTER-III

1. Introduction of Microprocessor
2. Numerical Methods and Algorithms
3. Computer Organization and Architecture
4. File Structure and Database Management System
5. Microprocessors Lab
6. Database Management System Lab

BCA SEMESTER-IV

1. Data Structures and File Organization
2. Information Systems Analysis and Design
3. Introduction of Software Engineering
4. Object Oriented Programming using C++
5. Data Structure Lab
6. Object Oriented Programming using C++ Lab

BCA SEMESTER-V

1. Data Communication and Networking
2. JAVA Programming
3. Visual and Database Programming
4. Internet Programming
5. JAVA Programming Lab
6. Internet Programming Lab

BCA SEMESTER-VI

1. Management Information System
2. Enterprise Resource Planning
3. Intellectual Property Rights, Patents and Cyber Law
4. Elective – E-Commerce / Artificial Intelligence / Web Technology
5. Project