Maharshi Karve Stree Shikshan Samstha's

K. B. JOSHI INSTITUTE OF
INFORMATION TECHNOLOGY, PUNE

Approved by Govt. of Maharashtra *NAAC Accredited*
Approved by AICTE, New Delhi Affiliated to S.N.D.T. Women's University, Mumbai

Bachler of Computer Applications (B.C.A.)

UG COURSES

BCA (Bachler of Computer Applications)

Is three years' full time course which is perfect mix of system and application software's. Course code latest trends in Information Technology & aims at developing young IT professionals with IT skills.

ELIGIBILITY

A candidate for being eligible for admission to the three year course leading to the degree of Bachelor of Computer Applications must have passed the Higher Secondary School Certificate (Std. XII) examination conducted by the different Divisional Boards of the Maharashtra State Board of Secondary and Higher Secondary Education with 45% marks (40% for candidates belonging to Reserved category) with the following subjects :- (from any stream).

- English
- Any one of the Modern Indian Languages or Modern Foreign Languages or any classical Language or Information Technology/ Any four subjects carrying 100 marks each.

OR

- English
- Any one vocational subject carrying 200 marks
- Any three subjects carrying 100 marks each.

OR

Must have passed the Higher Secondary School Certificate (Std. XII) examination with the Minimum Competency based vocational courses (MCVC) conducted by the different Divisional Boards of the Maharashtra State Board of Secondary and Higher Secondary Education.

- English
- Any one of the Modern Indian Languages or Modern Foreign Languages or any classical
- Language or Information Technology
- General Foundation Course.
- Any one subject carrying 300 marks from among the Minimum Competency based vocational courses prescribed by the Higher Secondary School Certificate examination from time to time.

OR

Must have passed an examination of other Board or Body Recognized as equivalent there to.

<div align="center">OR</div>

- Must have passed any three year Government recognized Diploma programme. Opportunities after B.C.A.
- Can enrol for M.B.A. or M.C.A.   • Become Data scientist
- Software Engineer   • System Anlyst
- Network Administrator   • Web developer
- Database manager IT Support in BPO/KPO K.B. JOSHI INSTITUTE

SYLLABUS

BCA SEMESTER-I

Code	Subject
1101	Business and technical communication Skills
1102	Problem Solving using C 1103 Web Programming
1104	Computer Fundamentals and Operating System
1105	Office Automation Tools 1201 Problem Solving using C Lab
1202	Web Programming Lab

BCA SEMESTER-II

Code	Subject
2101	Environmental science & RTI
2102	Programming Methodology and C++
2103	Database Management System
2104	Mathematics I
2105	Principles & Practice of Accounting
2201	Programming Methodology and C++ Lab
2202	Database Management System Lab

BCA SEMESTER-III

Code	Subject	Code	Subject
3101	Data structures	3102	JAVA Programming
3103	Mathematics II	3104	Computer Organisation & Architecture
3201	Data structures Lab	3202	JAVA Programming Lab

BCA SEMESTER-IV

Code	Subject	Code	Subject
4101	Python Programming	4102	Introduction to Microprocessor
4103	Computer Networks	4104	Software Engineering
4201	Python Programming Lab	4202	Introduction to Microprocessor Lab

BCA SEMESTER-V

Code	Subject	Code	Subject
5101	Mobile Application	5102	Artificial Intelligence
5103	Cyber Security	5104	Multimedia and Application
5105	Electivel-Management Information System	5106	Elective 2 - Search Engine Optimization
5107	Elective 3 - Data Analysis and Visualization	5108	Mobile (Android) Application Lab

BCA SEMESTER-VI

Code	Subject
6101	Cyber Laws and Intelligent Property Rights.
6102	Data Warehousing & Data Mining
6103	IOT
6104	Elective 1 - Machine Learning
6105	Elective 2 - Block Chain Technology
6106	Elective 3 - Big Data & Cloud Computing
6107	Project