Bachelor of Computer Application (BCA)
Course Code   :   BCA
Curriculum:

Semester - I
BCA-101   Fundamentals of IT
BCA-101(P)   Software Lab-I (Based on BCA-101)
BCA-102   Computer Programming
BCA-102(P)   Software Lab-II (Based on BCA-102)
BCA-103   Punjabi Compulsory
BCA-103 A   Elementary Punjabi
BCA-104   English Communication Skills
BCA-105   Environmental and Road Safety Awareness

Semester - II
BCA-201   Digital Electronics
BCA-202   Data Structures
BCA-202(P)   Software Lab - III (Based on BCA-202)
BCA-203   Punjabi Compulsory
BCA-203(P)   Elementary Punjabi
BCA-204   English Communication Skills
BCA-205   Basic Mathematics
GN-201   Drugs Abuse: Problem Management and Prevention

Semester - III
BCA-301   Object Oriented Programming Using C++
BCA-301(P)   Software Lab - IV (based on BCA -301)
BCA-302   Database Management System
BCA-302(P)   Software Lab - V (based on BCA-302)
BCA-303   Computer System Architecture
BCA-304   Punjabi Compulsory
BCA-304A   Elementary Punjabi
BCA-305   English Communication Skills
BCA-306 (Elective - I) Discrete Mathematics
BCA-306 (Elective - II) Computer Oriented Numerical and Statistical Methods

Semester - IV

Code	Subject
BCA-401	Python Programming
BCA-401(P)	Software Lab - VI (based on BCA-401)
BCA-402	Operating System
BCA-402(P)	Software Lab - VII (based on BCA-402)
BCA-403	Computer Networks
BCA-404	Punjabi Compulsory
BCA-404A	Elementary Punjabi
BCA-405	English Communication Skills
BCA-406 (Elective - I)	Animation Technology
BCA-406 (Elective - II)	Content Management System

Semester - V

Code	Subject
BCA-501	Java Programming
BCA-501(P)	Software Lab VII (Based on BCA-501)
BCA-502	Web Technologies-I
BCA-502(P)	Software Lab VIII (Based on BCA-502)
BCA-503	System Software
BCA-504	Punjabi Compulsory
BCA-504A	Elementary Punjabi
BCA-505	English Communication Skills
BCA 506	Management Information System

Semester - VI

Code	Subject
BCA-601	Web Technology-II
BCA-601(P)	Software Lab IX (Based on BCA-601)
BCA-602	E-Technologies
BCA-603	Minor Project
BCA-604	Software Engineering
BCA-605	Punjabi Compulsory
BCA-605A	Elementary Punjabi
BCA-606	English Communication Skills
BCA-607	Cloud Computing