

## Bachelor Degree in Computer Application (BCA)

1ST YEAR			
BCA 1ST SEM SUBJECTS		BCA 2ND SEM SUBJECTS	
SI No	Name of the Subject	SI No	Name of the Subject
1	Digital Electronics	1	Computer Architecture and Systems Software
2	Business Systems and Applications	2	Information Systems Analysis & Design
3	Introduction to Programming	3	Computer Programming
4	Mathematics	4	Mathematics
5	PC Software	5	English Language and Communication
6	PC Software Lab	6	Programming Lab (Visual Basic)
7	Programming Lab (C/ Pascal)	7	Business Presentation and Language Lab
2nd Year			
BCA 3rd SEM SUBJECTS		BCA 4th SEM SUBJECTS	
SI No	Name of the Subject	SI No	Name of the Subject
1	Operating Systems	1	Data Base Management System
2	Data Structures with C	2	Object-Oriented Programming with C++
3	Graphics & Internet	3	Software Project Management and Quality Assurance
4	Mathematics for Computing	4	Statistics, Numerical Methods & Algorithms
5	Management & Accounting	5	Environment and Ecology
6	Internet & Computer Graphics Lab	6	Database Lab (Oracle)
7	Programming Lab (Data Structure with C)	7	Computing Lab
3rd Year			
BCA 5th SEM SUBJECTS		BCA 6th SEM SUBJECTS	
SI No	Name of the Subject	SI No	Name of the Subject
1	Data Communication & Computer Networks	1	Elective 2
2	Unix and Shell Programming	2	Elective 3
3	Windows Programming	3	Major project
4	Elective 1	4	Seminar
5	Values and Ethics of Profession	5	Comprehensive Viva-Voce
6	Unix & Networking		
7	Minor Project		
8	Industrial Training		
Electives for semesters 5 and 6			

## **Bachelor Degree in Computer Application (BCA)**

BCA E501	Advanced Unix and Shell Programming
	Human Computer Interaction
	Multimedia & E-Commerce
BCA E601	Advanced networking and Communication
	Intelligent Systems
	Image Processing
BCA E602	Software Engineering
	Object Oriented Programming with Java
	Advanced Database Management