

BCA - IOS			
Semester 1			
S. No	Course Category	Course Code	Course Name
1	Multidisciplinary	26BCAT101	Applied Mathematics
2	Major Core	26BCAC101	Programming for Problem Solving using C
3	Major Core	26BCAC102	Fundamentals of Computers and IT
4	Major Core	26BCAC103	Cyber Security Essentials
5	Major Core	26BCAC104	Introduction to AI
6	Ability Enhancement Course (AEC)	26BCAA101	Technical Communication
7	Skill Enhancement Course	26BCAS101	Foundation in Quantitative Aptitude
Total			
Semester 2			
S. No	Course Category	Course Code	Course Name
1	Major Core	26BCAC201	Discrete Mathematics
2	Major Core	26BCAC202	Digital Electronics
3	Major Core	26BCAC203	Data Structure Using 'C'
4	Major Core	26BCAC204	Operating System & Linux Programming
5	Major Core	26BCAC205	Python Programming
6	Ability Enhancement Course (AEC)	26BCAA201	Environment Studies
7	Skill Enhancement Course	26BCAS201	Statistical Analysis using Excel
8	Skill Enhancement Course	26BCAS202	Essentials of Soft skills
Total			
Semester 3			
S. No	Course Category	Course Code	Course Name
1	Major Core	26BCAC301	Database Management System
2	Major Core	26BCAC302	Web Technology
3	Major Core	26BCAC303	Software Engineering
4	Major Core	26BCAC305	Mac Essential and Productivity Tools with Design Concept
5	Minor	26BCAM30*	Minor 1
6	Ability Enhancement Course (AEC)	26BCAA302	Principles of Management & Organizational Behavior

7	Open Elective	26BCAE301	Open Elective offered by another Department/School /Program
8	Value Added Course	26BCAA301	Human Values and Ethics
Total			
Semester 4			
S. No	Course Category	Course Code	Course Name
1	Major Core	26BCAC401	Object Oriented Programming with Java
2	Major Core	26BCAC402	Computer Networks
3	Major Core	26BCAC403	Cloud Computing
4	Major Core	26BCAC405	The Art of UI with Design Tools
5	Major Core	26BCAC406	Swift Programming Language
6	Minor	26BCAM40*	Minor 2
7	Open Elective	26BCAE40*	Open Elective offered by other Department/School /programme
8	Skill Enhancement Course	26BCAS401	Digital & Social Media Marketing
9	Skill Enhancement Course	26BCAS402	Campus to Career
10	Project	26BCAP401	Minor Project
Total			
Semester 5			
S. No	Course Category	Course Code	Course Name
1	Major Core	26BCAC501	UI/UX Design
2	Major Core	26BCAC502	Augmented & Virtual Reality
3	Major Core	26BCAC503	Application Development with X Code and SwiftUI
4	Ability Enhancement Course (AEC)	26BCAA501	Indian Knowledge System
5	Minor	26BCAM501	MOOC
6	Skill Enhancement Course	26BCAI501	Summer Internship Assessment
7	Skill Enhancement Course	26BCAS501	Advance Quantitative Aptitude
Total			
Semester 6			
S. No	Course Category	Course Code	Course Name
1	Major Core	26BCAC601	Data Ware Housing & Data Mining

2	Major Core	26BCAC602	Android Application Development
3	Major Core	26BCAC604	HIG and User Experience
4	Minor	26BCAM60*	Minor 4
5	Project	26BCAP601	Major Project
			Total

L	T	P	Credits
3	0	0	3
3	0	2	4
3	0	2	4
3	0	2	4
3	0	0	3
2	0	0	2
0	0	2	1
17	0	8	21
L	T	P	Credits
3	0	0	3
3	0	0	3
3	0	2	4
3	0	2	4
3	0	2	4
2	0	0	2
0	0	2	1
0	0	2	1
17	0	10	22
L	T	P	Credits
3	0	2	4
3	0	2	4
3	0	0	3
2	0	2	3
3	0	0	3
2	0	0	2

2	0	0	2
2	0	0	2
20	0	6	23

L	T	P	Credits
3	0	2	4
3	0	0	3
3	0	2	4
2	0	2	3
2	0	2	3
3	0	0	3
3	0	0	3
2	0	0	2
0	0	2	1
0	0	4	2
21	0	14	28

L	T	P	Credits
3	0	2	4
3	0	2	4
3	0	2	4
1	0	0	1
3	0	0	3
0	0	0	4
0	0	2	1
13	0	8	21

L	T	P	Credits
3	0	2	4

2	0	2	3
2	0	2	3
3	0	0	3
0	0	8	8
10	0	14	21