

Career Related First Degree Programme in BCA

SCHEME AND SYLLABUS

SCHEME

Semester 1

Course code	Course Name
EN1111.4	Speaking and listening skills
MM1131.9	Mathematics I
CP1121	Computer Fundamentals & Organization
CP1131	Digital Electronics
CP1141	C Programming
CP1142	C Programming Lab
CP1122	Open Office Lab

Semester 2

Course code	Course Name
EN1211.4	Writing and Presentation Skills
MM1231.9	Mathematics II
CP1241	Environmental Studies
CP1242	Object Oriented Programming
CP1243	Data Structures in C
CP1244	Object Oriented Programming Lab
CP1245	Data Structure Lab

Semester 3

Course code	Course Name
CP1331	Value Education
CP1341	Computer Networks & Security
CP1342	Operating Systems
CP1343	Data base Management System
CP1344	Programming in JAVA
CP1345	DBMS Lab
CP1346	Java Programming Lab

Semester 4

Course code	Course Name
CP1441	Software Engineering
CP1442	Web Programming & Python
CP1443	PHP & My SQL
CP1444	Data mining & Warehousing
CP1445	Mini project
CP1446	PHP & My SQL Lab
CP1447	Python Lab

Semester 5

Course code	Course Name
CP1541	Data Analytics
CP1542	Information System & Knowledge Management
CP1543	Visual Programming
CP1544	Software Testing
CP1545	Data Analytics Lab
CP1546	Visual Programming Lab
Open Course:	
CP 1551.1	Digital Marketing
CP 1551.2	Internet & WWW
CP 1551.3	Cyber Security

Semester 6

Course code	Course Name
CP1641	Multimedia System
CP1642	Object Oriented Analysis and Design
CP1643	Design & Analysis of Algorithms
CP1644	Trends in Computing
CP1645	Major Project
Elective:	
CP 1661.1	Geographical Information System
CP 1661.2	Entrepreneurship and Innovation
CP 1661.3	Internet of Things