

**The General structure of the programme in BSc
(Computer Science)**

SCHEME AND SYLLABUS

SCHEME

Semester 1

Course code	Course Name
EN 1111.4	Listening and speaking skills
M 1131	Mathematics I(Calculus & Number Theory)
CS 1121	Computer Fundamental & Programming in C
CS 1132	Digital Electronics
CS 1122	Value Education
CS 1141	C Programming Lab
CS 1133	Digital Electronics Lab

Semester 2

Course code	Course Name
EN 1211.4	Writing and Presentation Skills
M 1231.10	Mathematics II (Discrete Mathematics)
CS 1221	Environmental Studies
CS 1241	Data Structure in C
CS1242	Web Programming
CS 1243	Data Structure Lab
CS 1244	Web Programming Lab

Semester 3

Course code	Course Name
CS 1341	Programming Java
CS 1342	Software Engineering
CS 1343	Operating Systems
CS 1344	Value Education
CS 1345	Data Base Management System
CS 1346	Java Programming Lab
CS 1347	DBMS Lab

Semester 4

Course code	Course Name
CS 1441	Design and Analysis Algorithms
CS 1442	Microprocessor & Programming
CS 1443	Computer Networks & Security
CS 1444	PHP & MySQL
CS 1445	Minor Project
CS 1446	Assembly Language Programming Lab
CS 1447	PHP Lab

Semester 5

Course code	Course Name
CS 1541	Quantitative techniques for Management
CS 1542	Research methodology
CS 1543	Investment Management
CS 1544	Project
BM 1551	Open Course – Internet technologies
CS 1545	Elective Course-International Finance
Open course :	
CS 1551.1	Digital Marketing
CS 1551.2	Internet & WWW
CS 1551.3	Cyber Security
Elective :	
CS 1561.1	Multimedia Systems
CS 1561.2	Mobile Computing
CS 1561.3	Trends in Computing

Semester 6

Course code	Course Name
CS 1641	Data mining & Warehousing
CS 1642	Internet of Things
CS 1643	Artificial Intelligence
CS 1644	Major Project & VIVA
Elective :	
CS 1661.1	Geographical Information System
CS 1661.2	Software testing
CS 1663.3	Free & Open Source Software