BSC IT SYLLABUS
Semester 1

Sl No	Course Code	Topic
1	BIT101	Fundamentals of Information Technology
2	BIT102	Programming Principles and Algorithms
3	BIT103	Computer Organization and Architecture
4	BM101	Mathematics – I
5	BIT104	Office Automation Tools
6	BIT191	Programming Lab (C)
7	BIT192	Office Automation Lab

Semester 2

Sl No	Course Code	Topic
1	BIT201	Object-Oriented Programming using C++
2	BIT202	Data Structures
3	BIT203	Database Management Systems
4	BM201	Mathematics – II
5	HU201	Communication Skills
6	BIT291	Data Structures Lab
7	BIT292	DBMS Lab

Semester 3

Sl No	Course Code	Topic
1	BIT301	Operating Systems
2	BIT302	Web Programming
3	BIT303	Computer Networks
4	BIT304	Software Engineering
5	BM301	Statistics for IT
6	BIT391	Web Programming Lab

Semester 4

Sl No	Course Code	Topic
1	BIT401	Java Programming
2	BIT402	Network Security & Cryptography
3	BIT403	E-Commerce
4	HU401	Environmental Studies
5	BIT491	Java Programming Lab
6	BIT492	Mini Project

Sl No	Course Code	Topic
1	BIT501	.NET Framework & C# Programming
2	BIT502	Mobile Application Development
3	BIT503	Cloud Computing
4	BIT504	Elective 1
5	HU501	Professional Ethics
6	BIT591	Mobile App Lab
7	BIT592	Industrial Training

Semester 5

Semester 6

Sl No	Course Code	Topic
1	BIT601	Elective 2
2	BIT602	Elective 3
3	BIT693	Major Project
4	BIT694	Seminar
5	BIT695	Comprehensive Viva-Voce

Elective No	Elective Code	Course Code	Topic
1	BIT504	BIT504A	Artificial Intelligence
		BIT504B	Data Mining
		BIT504C	Internet of Things (IoT)
2	BIT601	BIT601A	Cybersecurity
		BIT601B	Blockchain Technology
		BIT601C	Machine Learning
3	BIT602	BIT602A	Digital Image Processing
		BIT602B	Python for Data Science
		BIT602C	Advanced Web Technologies