

**B.Sc. IT Scheme of Curriculum
W.E.F:2023-2024**

Course Code	Course Name	L	T	P	CREDIT
Semester-I					
50001101	Foundation Course in English	2	0	0	2
50701101	Programming in C	4	0	0	4
50001103	Basic Mathematics - I	2	0	0	2
50001102	Environmental Studies	2	0	0	2
50701102	Computer Fundamental and Emerging Technology	3	0	2	4
50701103	Networking and Internet Environment	4	0	0	4
50701104	Practical Based on 50701101 & 50701103	0	0	8	4
	TOTAL	17	0	10	22
Semester-II					
50702101	Advanced C & Data Structure	4	0	0	4
50002102	Logical and Critical Thinking	2	0	0	2
50702102	Database Management System	4	0	0	4
50702103	System Analysis and Design	4	0	0	4
50002103	Discrete Mathematics	2	0	0	2
50002101	Soft skill and Personality Development	2	0	0	2
50702104	Practical Based on 50702101 & 50702102	0	0	8	4
	TOTAL	18	0	8	22
Semester-III					
05070301	Object Oriented Programming with C++	4	0	0	4
05070302	Web Technology using PHP	4	0	0	4
05070303	Practical Based on 5070301 and 5070302	0	0	8	4

05070306	Software Project Management	2	0	0	2
05070305	Enterprise Resource Planning	2	0	0	2
05070304	Yoga & Wellness	1	0	2	2
	Elective - I	3	0	0	3
05070307	Introduction to Artificial Intelligence				
05070308	Cyber Crime and Cyber Law				
05070312	Data Analytics and Visualization				
	TOTAL	16	0	10	21

Semester-IV					
05070401	Internet And Web Technology	4	0	0	4
05070402	Core Java Programming	4	0	0	4
05070403	Data Communicaton And Networks	4	0	2	5
05070404	Computer Oriented Architecture	4	0	0	4
05000401	Public speaking and Corporate communication	3	0	0	3
05070405	Practical Based on 05070401 and 05070402	0	0	8	4
	Elective - II	3	0	2	4
05070409	Machine Learning Algorithms				
05070410	Penetration Testing Tools				
05070411	Data Warehousing and Mining Tools				
	TOTAL	22	0	12	28