

Semester I		
Sr. No.	Course Name	Credits
1	Mathematical Foundation for Computer Science	4
2	Advanced Java	3
3	Advanced Database Management System	3
4	Software Project Management	3
5	Elective-1 <ul style="list-style-type: none"> • Accounting & Managerial Economics • Optimization Techniques • Digital Marketing and Business Analytics • e-Commerce 	4
6	Advanced Data Structures Lab	2
7	Advanced Java Lab	1
8	Advanced Database Management System Lab	1
9	Web Technologies Lab	2
10	Mini Project – 1A	1
Bridge Course Subjects for Non-IT/CS Students		
Java Programming		
Data Structures		
Operating Systems		
Computer Networks		
Discrete Mathematics		

Semester II		
Sr. No.	Course Name	Credits
1	Research Methodology	4
2	Artificial Intelligence and Machine Learning	3
3	Information Security	3
4	Elective – 2 <ul style="list-style-type: none"> • Internet of Things • Robotic Process Automation • Natural Language Processing • Design and Analysis of Algorithm 	3
5	Elective – 3 <ul style="list-style-type: none"> • Green Computing & Sustainability • Management Information System • Cyber Security • Soft Computing 	4
6	Soft Skill Development	1
7	Artificial Intelligence and Machine Learning Lab	1
8	DevOps Lab	1
9	Elective – 2 Lab	1
10	Advanced Web Technologies (AWT) Lab	2
11	User Interface Lab	1
12	Networking with Linux Lab	1
13	Mini Project–1B	1