

Course Structure for B Tech Information Technology (Batch 2025-29)					
Year of the Programme: First Year (Academic Year 2025-26)					
Semester - I			Semester - II		
S. No.	Course	Credits	S. No.	Course	Credits
1	Calculus	4	1	Linear Algebra and Differential Equations	4
2	Physics	4	2	Quantum Physics	3
3	Basic Electrical and Electronics Engineering	3	3	Principles of Economics and Management	3
4	Computational Thinking for Problem Solving	4	4	Elements of Biology	3
5	Engineering Graphics and Design	2	5	Digital Logic Design	3
6	Essential Electronics Practices	1	6	Programming with Python	2
7	English Communication	1	7	Product Realization	2
8	Engineering Ethics	1	8	Indian Knowledge System	0
9	Environmental Science	0			
10	Constitution of India	0			
Total		20	Total		20
Year of the Programme: Second Year (Academic Year 2026-27)					
Semester - III			Semester - IV		
S. No.	Course	Credits	S. No.	Course	Credits
1	Management Accounting for Engineers	2	1	Probability and Statistics	3
2	Discrete Mathematics	3	2	Database Management Systems	3
3	Data Structures and Algorithms	3	3	Database Management Systems Lab	1
4	Data Structures and Algorithms Lab	1	4	Operating Systems	4
5	Computer Networks	4	5	Foundations of Artificial Intelligence	3
6	Object Oriented Programming	2	6	Web Technologies	2
7	Object Oriented Programming Lab	1	7	Introduction to Cybersecurity	3
8	Computer Organization and Architecture	3	8	Data Engineering and Visualization	1
9	Technical Communication	1	9	Design Experience I	1
10	Transforming Ideas to Innovation	1			
11	Community Service	0			
Total		21	Total		21
Year of the Programme: Third Year (Academic Year 2027-28)					
Semester - V			Semester - VI		
S. No.	Course	Credits	S. No.	Course	Credits
1	System Administration	2	1	Interpersonal Skills	1
2	Design and Analysis of Algorithms	4	2	Software Engineering	4
3	Machine Learning Techniques	3	3	Human Computer Interaction	3
4	Program Elective-I	3	4	Mobile Application Development	1
5	Program Elective-II	4	5	Program Elective-III	3
6	Open Elective-I	3	6	Program Elective-IV	3
7	Open Elective-II	3	7	Open Elective-III	3
8	Design Experience II	2	8	Open Elective-IV	3
			9	Design Experience III	2
Total		24	Total		23
Year of the Programme: Fourth Year (Academic Year 2028-29)					
Semester - VII			Semester - VIII		
S. No.	Course	Credits	S. No.	Course	Credits
1	Cloud Computing	3	1	Project	10
2	Embedded Systems and IoT	3			
3	Program Elective-V	3			
4	Program Elective-VI	4			
5	Open Elective-V	3			
6	Capstone Project	5			
Total		21	Total		10

Community Service - During Vacation (after Sem-2)

Total no. of credits 160

Total no of courses 62