

Program Structure for B Tech Computer Engineering (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	Elements of Biology	3	3	Object Oriented Programming	2
4	Computational Thinking for Problem Solving	4	4	Object Oriented Programming Lab	1
5	Engineering Graphics and Design	2	5	Basic Electrical and Electronics Engineering	3
6	Essential Electronics Practices	1	6	Product Realization	2
7	Engineering Ethics	1	7	English Communication	1
8	Indian Knowledge System	0	8	Web Development	3
9	Environmental Studies	0	9	Constitution of India	0
	Total	19		Total	19
Year of the Programme: Second Year (Academic Year 2026-27)					
Semester – III			Semester – IV		
S. No.	Course	Credits	S. No.	Course	Credits
1	Signals and Systems	3	1	Operating Systems	4
2	Computer Organization and Architecture	3	2	Database Management Systems	3
3	Data Structures and Algorithms	3	3	Complex Variables and Transforms	4
4	Data Structures and Algorithms Lab	1	4	Design and Analysis of Algorithms	4
5	Principles of Economics and Management	3	5	Database Management Systems Lab	1
6	Probability and Statistics	3	6	Design Experience I	1
7	Discrete Mathematics	3	7	Computer Networks	4
8	Technical Communication	1	8	Machine Learning	3
9	Community Service	0			
10	Programming with Python	2			
	Total	22		Total	24
Year of the Programme: Third Year (Academic Year 2027-28)					
Semester – V			Semester – VI		
S. No.	Course	Credits	S. No.	Course	Credits
1	Software Engineering	4	1	Transforming Ideas to Innovation	1
2	Program Elective-I	4	2	Compiler Design	3
3	Advanced Linear Algebra	2	3	Artificial Intelligence	3
4	Program Elective-II	3	4	Open Elective-III	3
5	Open Elective-I	3	5	Open Elective-IV	3
6	Open Elective-II	3	6	Design Experience III	2
7	Design Experience II	2	7	Program Elective-III	3
8	Career Guidance	0	8	Program Elective-IV	3
9	Theoretical Computer Science	3	9	Interpersonal Skills	1
	Total	24		Total	22
Year of the Programme: Fourth Year (Academic Year 2028-29)					
Semester – VII			Semester – VIII		
S. No.	Course	Credits	S. No.	Course	Credits
1	Capstone Project	5	1	Project	10
2	Distributed Computing	3			
3	Program Elective-V	4			
4	Management Accounting for Engineers	2			
5	Open Elective-V	3			
6	Program Elective-VI	3			
	Total	20		Total	10

Total no of courses	61
Total no of credits	160