

Course Structure for B Tech Computer Engineering Program (Batch 2022-26)						
Year of the Programme : First Year (Academic Year 2022-23)						
Semester I				Semester II		
Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s
1	Calculus	4		1	Linear Algebra and Differential Equations	4
2	Physics	4		2	Quantum and Statistical Physics	3
3	Elements of Biology	3		3	English Communication	1
4	Programming for Problem Solving	4		4	Basic Electrical and Electronics Engineering	3
5	Engineering Graphics and Design	3		5	Management Accounting for Engineers	2
6	Professional Ethics	1		6	Environmental Science	2
7	Constitution of India	0		7	Digital Manufacturing Laboratory	1
8	Critical Thinking	0		8	Electrical and Electronics Workshop	1
				9	Design Thinking	0
				10	Python Programming	1
	Total	19			Total	18
Year of the Programme : Second Year (Academic Year 2023-24)						
Semester III				Semester IV		
Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s
1	Probability and Statistics	3		1	Complex Variables and Transforms	4
2	Discrete Mathematics	3		2	Computer Organization and Architecture	3
3	Technical Communication	1		3	Design and Analysis of Algorithms	3
4	Principles of Economics and Management	3		4	Database Management Systems	3
5	Digital Logic Design	3		5	Microprocessor and Microcontroller	4
6	Data Structures and Algorithms	4		6	Theoretical Computer Science	3
7	Computer Networks	3		7	Web Programming	3
8	Data Extraction and Processing	2		8	Object Oriented Programming through JAVA	1
9	Community Service	0				
	Total	22			Total	24
Year of the Programme : Third Year (Academic Year 2024-25)						
Semester V				Semester VI		

Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s
1	Software Engineering	3		1	Cyber Security	3
2	Artificial Intelligence	3		2	Distributed Computing	3
3	Image and Video Processing	3		3	Machine Learning	3
4	Operating Systems	3		4	Department Elective II	3
5	Department Elective I	3		5	Department Elective III	3
6	Open Elective I	3		6	Open Elective III	3
7	Open Elective II	3		7	Open Elective IV	3
				8	Interpersonal Skills	1
	Total	21			Total	22
Year of the Programme : Fourth Year (Academic Year 2025-26)						
Semester VII				Semester VIII		
Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s
1	Cloud Computing	3		1	Project	10
2	Department Elective IV	3				
3	Department Elective V	3				
4	Department Elective VI	3				
5	Open Elective V	3				
6	Capstone Project	4				
	Total	19			Total	10

Total Credits for the Programme	155
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