

## B. Tech. (IT) Course Structure

Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI	Semester VII	Semester VIII
Introduction to Programming (4 credits)	Data Structures (4 credits)	Advanced Programming Language (4 credits)	Database Management System (4 credits)	Cryptography (3 credits)	Elective II (4 credits)	Elective IV (4 credits)	Major Project (18 credits)
Fundamentals of Electronics Engineering (4 credits)	Object Oriented Methodology (4 credits)	Software Engineering (4 credits)	Operating System (4 credits)	Software Management (4 credits)	Elective III (4 credits)	Elective V (4 credits)	
System Management (4 credits)	Linear Algebra and Ordinary Differential Equations (3 credits)	Data Communications (4 credits)	Computer Networks (4 credits)	Computer Graphics (4 credits)	Technical Writing (2 credits)	Professional Ethics (2 credits)	
Calculus (3 credits)	Discrete Mathematics (3 credits)	Probability and Statistics (3 credits)	Design and Analysis of Algorithms (4 credits)	Soft Computing (4 credits)	Mini Project (8 credits)	Mini Project (8 credits)	
Professional Communication - I (3 credits)	Professional Communication - II (3 credits)	Theory of Automata (3 credits)	Cloud Computing (4 credits)	Elective I (4 credits)			
Sports - I (1 credits)	Sports - II (1 credits)	Competitive Coding - I (2 credits)	Competitive Coding - II (2 credits)				
		Sports - III (1 credits)	Sports - IV (1 credits)				
19	18	21	23	19	18	18	18