

BACHELORS OF TECHNOLOGY (B.TECH) – CSE 4 YEARS

FIRST YEAR					
FIRST SEMESTER			SECOND SEMESTER		
S.No.	Paper No	Title of Paper(s)	S.No.	Paper No	Title of Paper(s)
1	25BSC-PHY-103H	Semiconductor Physics	1	25BSC-PHY-103H	Semiconductor Physics
	25BSC-CH-101H	Chemistry-1		25BSC-CH-101H	Chemistry-1
2	25BSC-MATH-103H	Mathematics-1 (Calculus & Linear Algebra)	2	25BSC-MATH-103H	Mathematics-II (Calculus & Linear Algebra)
3	25ESC-EE-101H	Basics of Electrical & Electronics Engineering	3	25ESC-EE-101H	Basics of Electrical & Electronics Engineering
	25ESC-CSE-101H	Programming for Problem Solving		25ESC-CSE-101H	Programming for Problem Solving
4	25ESC-ME101H	Engineering Graphics & Design	4	25ESC-ME101H	Engineering Graphics & Design
	25ESC-ME-102H	Workshop Technology		25ESC-ME-102H	Workshop Technology
5	25BSC-PHY-103H	Semiconductor Physics Lab	5	25BSC-PHY-103H	Semiconductor Physics Lab
	25BSC-CH-101H	Chemistry Lab-1		25BSC-CH-101H	Chemistry Lab-1
6	25ESC-EE-101H	Basics of Electrical & Electronics Engineering lab	6	25ESC-EE-101H	Basics of Electrical & Electronics Engineering lab
	25 L C -CSE101H	Programming for Problem Solving lab		25 L C -CSE101H	Programming for Problem Solving lab
7	25LC -ME -101H	Workshop Technology Lab7	7	25LC -ME -101H	Workshop Technology Lab
	Refer to Table	Refer to Table 1		Refer to Table	Refer to Table 1
8	25HSMC-ENG-101H	English	8	25HSMC-ENG-101H	Workshop Technology Lab
	25HSMC -UHV -101H	Universal Human Values		25HSMC -UHV -101H	Universal Human Values
9	25LC-ME-102 H	Design Thinking and Idea Lab	9	25LC-ME-102 H	Design Thinking and Idea Lab
	25HSMC-ENG-101H	Language Lab		25HSMC-ENG-101H	Language Lab

SECOND YEAR					
THIRD SEMESTER			FOURTH SEMESTER		
S.No.	Paper No	Title of Paper(s)	S.No.	Paper No	Title of Paper(s)
1	CSE-201H	Data Structures & Algorithms	1	CSE-202H	Database Management Systems
2	CSE-203H	Digital Electronics	2	CSE-204H	Operating Systems
3	CSE-205H	Object-Oriented Programming (OOP)	3	CSE-206H	Computer Networks
4	CSE-207H	Discrete Mathematics	4	CSE-208H	Theory of Computation
5	BSC-MATH-201H	Mathematics-III (Differential Equations)	5	CSE-210H	Software Engineering
6	EE-201H	Microprocessor & Interfacing	6	ENG-201H	Professional Communication
7	CSE-209H	Data Structures Lab	7	CSE-212H	DBMS Lab
8	CSE-211H	Digital Electronics Lab	8	CSE-214H	Operating Systems Lab
9	CSE-213H	OOP Lab	9	CSE-216H	Computer Networks Lab
10	EE-203H	Microprocessor Lab	10	CSE-218H	Software Engineering Lab

THIRD YEAR					
FIFTH SEMESTER			SIXTH SEMESTER		
S.No.	Paper No	Title of Paper(s)	S.No.	Paper No	Title of Paper(s)
1	CSE-301H	Design & Analysis of Algorithms	1	CSE-302H	Compiler Design
2	CSE-303H	Computer Architecture & Organization	2	CSE-304H	Artificial Intelligence
3	CSE-305H	Web Technologies	3	CSE-306H	Cryptography & Network Security
4	CSE-307H	Machine Learning	4	CSE-308H	Internet of Things (IoT)
5	CSE-309H	Elective –I	5	CSE-310H	Elective-II
6	CSE-311H	Design & Analysis of Algorithms Lab	6	CSE-312H	Compiler Design Lab
7	CSE-313H	Web Technologies Lab	7	CSE-314H	AI & ML Lab
8	CSE-315H	Machine Learning Lab	8	CSE-316H	IoT Lab

FOURTH YEAR

SEVENTH SEMESTER			EIGHTH SEMESTER		
S.No.	Paper No	Title of Paper(s)	S.No.	Paper No	Title of Paper(s)
1	CSE-401H	Big Data Analytics	1	CSE-402H	Blockchain Technology
2	CSE-403H	Cloud Computing	2	CSE-404H	Cyber Security
3	CSE-405H	Elective-III	3	CSE-406H	Elective-IV
4	CSE-407H	Project Phase-1	4	CSE-408H	Project Phase-11
5	CSE-409H	Big Data Lab	5	CSE-410H	Industrial Training
6	CSE-403H	Cloud Computing Lab			

Table 1

S.No.	Course Name	Course Code
1	Biotechnology for Human Welfare	25ESC-BT-101- H
2	Basics of Civil Engineering	25ESC-CE-101-H
3	Basics of Chemical Engineering	25ESC-CHE-101-H
4	Basics of Fashion Technology	25ESC-FAT-101-H
5	Basics of Fire Technology	25ESC-FT-101-H
6	Basics of Material science	25ESC-MS-101-H
7	Basics of Mechanical Engineering	25ESC-ME-103-H
8	Basics of Printing Technology	25ESC-PT-101-H
9	Basics of Textile Technology	25ESC-TT-101-H
10	Basics of Textile Chemistry	25ESC-TC-101-H
11	Basics of Fashion and Apparel Engineering	25ESC-FAE-101-H
12	Introduction to IoT	25ESC-IOT-101H

Elective List

S.No.	Elective-1 (5th Sem)	Elective-II (6th Sem)	S.No.	Elective-III (7th Sem)	Elective-IV (8th Sem)
1	Computer Graphics	Data Science	1	Cyber-Physical Systems	Edge Computing
2	Embedded Systems	Digital Image Processing	2	Human-Computer Interaction	Quantum Computing
3	Wireless Networks	Soft Computing	3	Advanced Machines Learning	Natural Language Processing
4	Mobile Computing	Robotics	4	Augmented & Virtual Reality	Game Development