



BTech (CSE Engg.) Curriculum

Course Structure

Semester - I		
Sr. No.	Course Name	Credits
1	Mathimatics-1 (Linear Algebra & Calculus)	3
2	Basic Electrical and Electronics Engineering	4
3	Computer program Utilization (C & C++)	4
4	GUI based web design(HTML , CSS)	3
5	Engineering Physics	3
6	Workshop Practice	1.5

Semester - II		
Sr. No.	Course Name	Credits
1	Problem Solving using Python	3
2	Engineering Chemistry	3
3	Digital Logic Design & Computer Architecture	3
4	ID-1	2
5	Mathematics -II (probability and statistics)	3
6	Communication Skills	1
7	Applied Mechanics	2
8	Applied Mechanics Labs	1
9	Engineering Graphics	3.5

Semester - III

Sr. No.	Course Name	Credits
1	Computer Network	4
2	Object Oriented Programming using Python	4
3	Operating System	4
4	ID-II	2
5	Microprocessor and Interfacing Techniques	3
6	Mathematics -III(Discrete Maths)	3
7	Data Structures	4

Semester - IV

Sr. No.	Course Name	Credits
1	Software Engineering	3
2	DBMS	4
3	Introduction to IoT	4
4	Core JAVA	4
5	Design and Analysis of Algorithm	4
6	Computer Graphics	4
7	Critical Thinking and Technical Writing	1

Semester - V

Sr. No.	Course Name	Credits
1	Web Technology	1
2	Image Processing	4
3	Data Mining and Data Warehousing	3
4	Humanities and Social Science(Ethics and Values)	2
5	Environmental Studies	4
6	TOC & Compiler Design	3
7	Software Project Management	3
8	Mobile Application Development	3

Semester - VI

Sr. No.	Course Name	Credits
1	Big Data Analytics	4
2	Elective -1	4
3	Elective - 2	3
4	KHOJ	3
5	Cyber Security	3
6	Soft Skills	1
7	Artificial Intelligence & Machine Learning	4

Semester - VII

Sr. No.	Course Name	Credits
1	Elective -3	4
2	Elective -4	3
3	Entrepreneurship	3
4	Cloud Computing	3
5	Mini Project	2
6	Operation Research	3

Semester - VIII

Sr. No.	Course Name	Credits
1	Internship	2
2	Comprehensive Exam(at the end of 6th Semester)	2