

## B.Tech Computer Science and Engineering - Curriculum

### Semester - I

S.No	Course No	Course Name	L-T-P-C*
1	CS1100	Computational Engineering ( <a href="#">Syllabus</a> )	2-0-3-4
2	CY1010	Chemistry – I (Physical & Theoretical) ( <a href="#">Syllabus</a> )	2-1-0-3
3	ID1100	Concepts in Engineering & Design ( <a href="#">Syllabus</a> )	3-0-0-3
4	MA1010	Mathematics-I ( <a href="#">Syllabus</a> )	3-1-0-4
5	ME1120	Engineering Drawing ( <a href="#">Syllabus</a> )	0-0-3-3
6	PH1010	Physics-I ( <a href="#">Syllabus</a> )	2-1-0-3
7	PH1030	Physics Lab-I	0-0-3-2
8	WS1010	Workshop-I ( <a href="#">Syllabus</a> )	0-0-3-2

### Semester - II

S.No	Course No	Course Name	L-T-P-C*
1	AM1100	Engineering Mechanics ( <a href="#">Syllabus</a> )	3-1-0-4
2	CY1020	Chemistry – II (Organic & Inorganic) ( <a href="#">Syllabus</a> )	2-1-0-3
3	CY1030	Chemistry Lab – I ( <a href="#">Syllabus</a> )	0-0-3-2
4	GN1100	Life skills	2-0-0-2
5	ID1200	Ecology and Environment	2-0-0-2
6	MA1020	Mathematics-II ( <a href="#">Syllabus</a> )	3-1-0-4
7	ME1100	Thermodynamics ( <a href="#">Syllabus</a> )	2-1-0-3
8	PH1020	Physics – II ( <a href="#">Syllabus</a> )	2-1-0-3
9	WS1020	Workshop – II	0-0-3-2

### Semester - III

S.No	Course No	Course Name	L-T-P-C*
1	CS2100	Discrete Mathematics for Computer Science	3-0-0-3
2	CS2110	Computer Programming Lab	0-0-3-2
3	EE2001	Digital Systems <a href="#">(Syllabus)</a>	3-1-0-4
4	EE2702	Digital Circuits Lab <a href="#">(Syllabus)</a>	0-0-3-2
5	EE1100	Basic Electrical Engineering <a href="#">(Syllabus)</a>	3-0-0-3
6	BT1010	Life Sciences	2-0-0-2
7	MAE1	Mathematics Elective 1 <a href="#">(Syllabus)</a>	3-0-0-3
8	HSE1	Humanities Elective 1	3-0-0-3

### Semester - IV

S.No	Course No	Course Name	L-T-P-C*
1	CS2200	Language Machine and Computations	3-0-0-3
2	CS2600	Computer Organization	3-0-0-3
3	CS2610	Assembly Language Programming Lab	0-0-3-2
4	CS2800	Data structures and Algorithms	3-1-0-4
5	CS2810	Advanced Programming Lab	0-0-3-2
6	CS3100	Paradigms of Programming	3-1-0-4
7	MAE2	Mathematics Electives-2	3-0-0-3
8	HSE2	Humanities Electives-2	3-0-0-3

**SEMESTER V**

No	Title	Credit
CS3400	Principles of Software Engg.	3
CS3300	Language Translators	3
CS3310	Language Translators Lab	2
CS3500	Operating Systems	3
CS3510	Operating Systems Lab	2
CS3700	Introduction to Database Systems	4
DPE1	Department Elective 1	4
MNS1	Minor Elective 1	3
	TOTAL	25

**SEMESTER VI**

No	Title	Credit
CS3200	Computer Networks	3
CS3210	Computer Networks Lab	2
CS3400	Principles of Software Engg.	3
CS3410	Software Engg Lab	2
CS3660	Industrial Training	2
DPE2	Department Elective 2	4
FRE1	Free Elective 1	3
MNS2	Minor Elective 2	3
SSE1	Self Study Elective 1	4
	TOTAL	26

**SEMESTER VII**

No	Title	Credit
CS4100	Computer System Design	3
CS4110	Computer System Design Lab	2
DPE4	Department Elective 4	4
DPE5	Department Elective 5	4
DPE6	Department Elective 6	4
FRE2	Free Elective 2	3
HSE4	Humanities Elective 4	3
MNS3	Minor Elective 3	3
	TOTAL	26

**SEMESTER VIII**

No	Title	Credit
CS4800	Project	8
CS4880	Industrial Lecture	1
HS3050	Professional Ethics	2
	TOTAL	11