

B.TECH - CIVIL ENGINEERING COURSE STRUCTURE

B Tech Course Structure (R23 Regulations)

I B.Tech (I Sem)

Branch/Specialization: Civil Engineering

S.No.	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	HS101	Matrices and Calculus	3	1	0	4
2	HS103	Applied Physics	3	1	0	4
3	ES106	Programming for Problem Solving*	2	0	4	4
4	ES108	Computer Aided Engineering Graphics	1	0	4	3
5	HS104	Applied Physics Lab	0	0	3	1.5
6	ES114	Engineering Workshop	1	0	3	2.5
7	MC101	Environmental Science	1	0	0	0
Total			10	2	14	19

L: Lecture Hour

T: Tutorial Hour

P: Lab/Practice Hour

***Integrated Course (Theory & Lab)**

I B.Tech (II Sem)

Branch/Specialization: Civil Engineering

S.No.	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	HS102	Multivariable and Vector Calculus	3	1	0	4
2	HS105	Engineering Chemistry	3	1	0	4
3	HS107	English for Skill Enhancement	2	0	0	2
4	ES107	Python Programming *	2	0	2	3
5	ES110	Engineering Mechanics	2	1	0	3
6	ES112	Surveying	2	0	0	2
7	HS106	Engineering Chemistry Lab	0	0	2	1
8	HS108	English Language and Communications Skills Lab	0	0	2	1
9	MC102	Morals and Ethics	1	0	0	0
Total			15	3	6	20

L: Lecture Hour

T: Tutorial Hour

P: Lab/Practice Hour

***Integrated Course (Theory & Lab)**

II B.Tech (I Sem)**Branch/Specialization: Civil Engineering**

S.No.	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	CE201	Building Materials, Construction and Planning	3	0	0	3
2	CE202	Strength of Materials-I	3	0	0	3
3	CE204	Fluid Mechanics	3	0	0	3
4	CE205	Concrete Technology	3	0	0	3
5	CE207	Engineering Geology	3	0	0	3
6	CE208	Project Management	2	0	0	2
7	CE203	Strength of Materials Lab	0	0	2	1
8	CE206	Concrete Technology Lab	0	0	2	1
9	CE209	Surveying Lab - I	0	0	2	1
10	MC201	Constitution of India	1	0	0	0
Total			18	0	6	20

L: Lecture Hour**T: Tutorial Hour****P: Lab/Practice Hour****II B.Tech (II Sem)****Branch/Specialization: Civil Engineering**

S.No.	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	HS202	Probability, Statistics and Numerical Methods	3	1	0	4
2	CE210	Strength of Materials-II	3	0	0	3
3	CE211	Hydraulics and Hydraulic Machinery	3	0	0	3
4	HS207	Business Economics & Financial Analysis	3	0	0	3
5	ES201	Basic Electrical and Electronics Engineering	3	0	0	3
6	CE212	Fluid Mechanics & Hydraulic Machinery Lab	0	0	2	1
7	ES202	Basic Electrical and Electronics Engineering Lab	0	0	2	1
8	HS206	Verbal Communications and Soft Skills Lab	0	0	2	1
9	CE213	Real time Research Project / Field Based Project	0	0	4	2
10	MC202	Gender Sensitization Lab	0	0	2	0
Total			17	1	8	21

L: Lecture Hour**T: Tutorial Hour****P: Lab/Practice Hour**