

COURSE STRUCTURE

B. Tech. Civil Engineering

I Year

Subject Title	Periods per week			C	I Semester Scheme of Examination Maximum Marks		
	T	P	D		Int.	Ext.	Total
English - I	4	-	-	3	30	70	100
Mathematics-I	4	-	-	3	30	70	100
Mathematics-II (Mathematical Methods)	4	-	-	3	30	70	100
Engineering Physics	4	-	-	3	30	70	100
Computer Programming	4	-	-	3	30	70	100
Environmental Studies	4	-	-	3	30	70	100
English Communication Skills Lab I	-	3	-	2	50	50	100
Engineering Physics Lab	-	3	-	2	50	50	100
Computer Programming Lab	-	3	-	2	50	50	100
Total	24	9		24	330	570	900

THEORY P - PRACTICAL D - DRAWING C - CREDITS Int - INTERNAL Ext - EXTERNAL

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W

Sarath Chandra

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COURSE STRUCTURE

B. Tech. Civil Engineering

I Year

II Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
1.	English – II	4	-	-	3	30	70	100
2.	Mathematics-III	4	-	-	3	30	70	100
3.	Engineering Chemistry	4	-	-	3	30	70	100
4.	Engineering Mechanics	4	-	-	3	30	70	100
5.	Engineering Drawing	-	-	4	3	30	70	100
6.	Professional Ethics and human values*	4	-	-	-	-	-	-
7.	English Communication Skills Lab II	-	3	-	2	50	50	100
8.	Engineering Chemistry Lab	-	3	-	2	50	50	100
9.	Engineering work shop & IT work shop	-	3	-	2	50	50	100
Total		20	9	4	21	300	500	800

on Course

THEORY P - PRACTICAL D- DRAWING C - CREDITS Int. - INTERNAL Ext. - EXTERNAL

DMB

WM

for

Santhosh

B

Santhosh

COURSE STRUCTURE

B. Tech. Civil Engineering

II Year

I Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
1.	Probability & Statistics	4	-	-	3	30	70	100
2.	Building Materials and Constructions	4	-	-	3	30	70	100
3.	Building Planning & Drawing	4	-	-	3	30	70	100
4.	Strength of Materials-I	4	-	-	3	30	70	100
5.	Surveying	4	-	-	3	30	70	100
6.	Fluid Mechanics	4	-	-	3	30	70	100
7.	Surveying - Field Work	-	3	-	2	50	50	100
8.	Strength of Materials Lab	-	3	-	2	50	50	100
9.	Computer Aided Engineering Drawing Practice	-	3	-	2	50	50	100
Total		24	9		24	330	570	900

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Include C programming lab

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COURSE STRUCTURE

B. Tech. Civil Engineering

II Year

II Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
1	Basic Electrical & Electronics Engineering	4	-	-	3	30	70	100
2	Strength of Materials-II. <i>Mod</i>	4	-	-	3	30	70	100
3	Hydraulics and Hydraulic Machinery <i>Sub</i>	4	-	-	3	30	70	100
4	Concrete Technology	4	-	-	3	30	70	100
5	Structural Analysis - I. <i>Mod</i>	4	-	-	3	30	70	100
6	Environmental Engineering - I <i>Kalwan</i>	4	-	-	3	30	70	100
7	Fluid Mechanics and Hydraulic Machinery Lab	-	3	-	2	50	50	100
8	Concrete Technology Lab	-	3	-	2	50	50	100
9	Soft Skills -I*	1	3	-	-	-	-	-
Total		25	9		22	280	520	800

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COURSE STRUCTURE

B. Tech. Civil Engineering

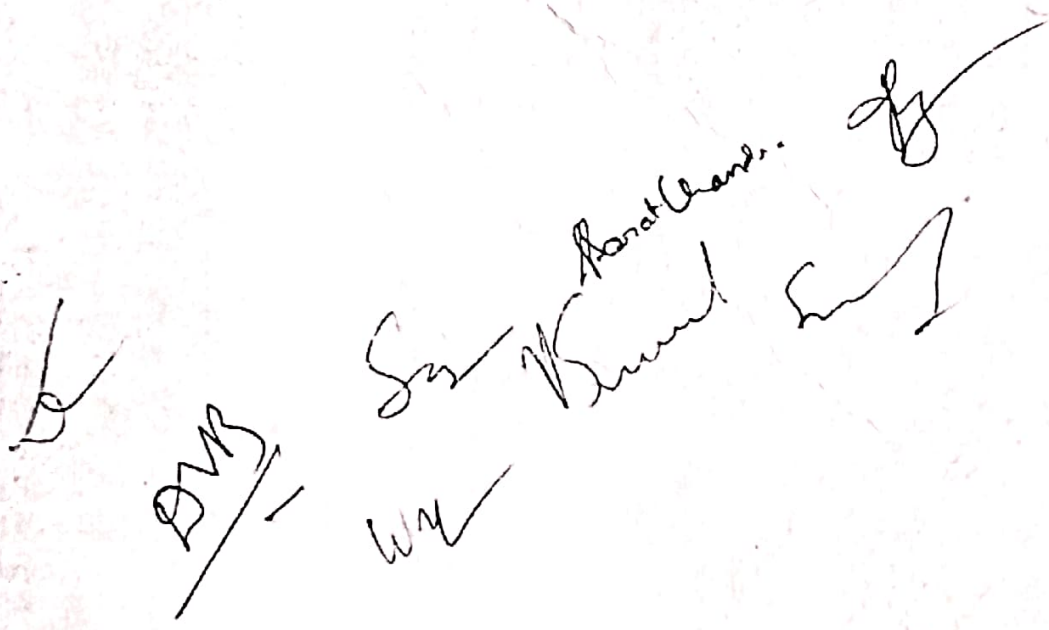
III Year

I Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
1.	Design of Reinforced Concrete Structures	4	-	-	3	30	70	100
2.	Managerial Economics and Financial Analysis	4	-	-	3 ₂	30	70	100
3.	Structural Analysis - II	4	-	-	3	30	70	100
4.	Soil Mechanics	4	-	-	3	30	70	100
5.	Transportation Engineering - I	4	-	-	3	30	70	100
6.	Engineering Geology	4	-	-	3 ₂	30	70	100
7.	Geotechnical Engineering Lab	-	3	-	2	50	50	100
8.	Transportation Engineering Lab	-	3	-	2	50	50	100
9.	Mini Project / Study Project	-	-	-	2	50	-	50
Total		24	6		24	330	520	850

Mini Project / Study Project - To be done during summer vacation after II-II semester

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COURSE STRUCTURE

B. Tech. Civil Engineering

III Year

S. No.	Subject Title	Periods per week			C	II Semester Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
1.	Design of Steel Structures	4	-	-	3	30	70	100
2.	Foundation Engineering	4	-	-	3	30	70	100
3.	Transportation Engineering - II	4	-	-	3	30	70	100
4.	Environmental Engineering - II	4	-	-	3	30	70	100
5.	Water Resources Engineering - I	4	-	-	3	30	70	100
6.	OPEN ELECTIVE	4	-	-	3	30	70	100
7.	Environmental Engineering Lab	-	3	-	2	50	50	100
8.	Engineering Geology Lab	-	3	-	2	50	50	100
9.	Soft Skills - II*	1	3	-	-	-	-	-
Total		25	9		22	280	520	800

Add on Course

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~~Elective - I~~

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COURSE STRUCTURE

B. Tech. Civil Engineering

IV Year

I Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
1.	Water Resource Engineering -II	4	-	-	3	30	70	100
2.	Construction Technology and Management	4	-	-	3	30	70	100
3.	Prestressed Concrete	4	-	-	3	30	70	100
4.	Remote Sensing and GIS Applications	4	-	-	3	30	70	100
5.	FLECTIVE-I	4	-	-	3	30	70	100
6.	Design and Detailing Lab	-	3	-	2	50	50	100
7.	GIS & CAD Lab	-	3	-	2	50	50	100
8.	Summer Internship / Training	-	-	-	3	100	-	100
Total		20	6		22	350	450	800

Summer Internship / Training - To be done during summer vacation after III-II semester

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E-I - Add one subject

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COURSE STRUCTURE

B. Tech. Civil Engineering

IV Year

II Semester

S. No.	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
		T	P	D		Int.	Ext.	Total
1.	Estimating, Specifications & Contracts	4	-	-	3	30	70	100
2.	ELECTIVE-II	4	-	-	3	30	70	100
3.	ELECTIVE-III	4	-	-	3	30	70	100
4.	ELECTIVE-IV	4	-	-	3	30	70	100
5.	Project Work	-	-	-	9	60	140	200
6.	Intellectual Property Rights	4	-	-	-	-	-	-
Total		24			21	180	420	600

Add on Course

T- THEORY P- PRACTICAL D- DRAWING C- CREDITS Int. - INTERNAL Ext. - EXTERNAL

Add on Courses

S. No.	Subject Title	Year/Sem
1.	Professional Ethics and human values	I-II
2.	Soft Skills -I	II-II
3.	Soft Skills -II	III-II
4.	Intellectual property rights & patents	IV-II

Note : - Add on Courses - Only internal evaluation periods allocated - pass compulsory (40%) for award of degree.

- Theory

- Practicals

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