

COURSE STRUCTURE

B. Tech. Civil Engineering

I Year

I Semester

Subject Title	Periods per week			C	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

AMS

WV

Sarath Chandra

[Signature]

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

DMS

WM

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COURSE STRUCTURE

B. Tech. Civil Engineering

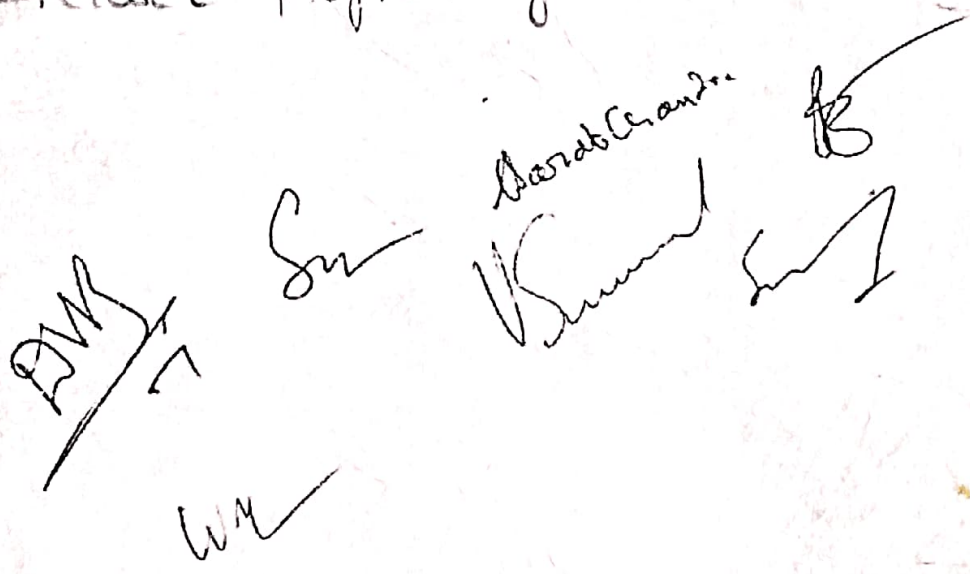
II Year

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

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

Included 'C' programming lab



 A collection of handwritten signatures and initials in black ink, including 'S', 'K', 'B', 'I', 'W', and 'R'.

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>100</i>	4	-	-	3	30	70	100
3	Hydraulics and Hydraulic Machinery <i>Suble</i>	4	-	-	3	30	70	100
4	Concrete Technology	4	-	-	3	30	70	100
5	Structural Analysis - I. <i>100</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

Legend on Course

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

Include phthon lab.

Handwritten signatures and notes:
 - A large signature on the left.
 - A signature in the middle with "Sara" written above it.
 - A signature on the right with "Sarab Chandra" written above it.
 - The initials "WM" written at the bottom left.

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

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

Add new Elective
 Sanat Chand
 WZ
 [Signature]

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 <i>Sagar</i>	4	-	-	3	30	70	100
3.	Transportation Engineering - II	4	-	-	3	30	70	100
4.	Environmental Engineering - II <i>Kal</i>	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

~~AA2~~ ~~Elective - I~~

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

[Handwritten signatures and initials: Sagar, Kal, WY, and others]

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

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

E-I - Add one subject

DM

SM

Harab Ciomda
Sumit

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