Name of the Course	Year:								Semester I
L T P S   Credits	Cubicat	Name of the Course			7	Total Hus			
2   Multi Variable Calculus	Subject	Name of the Course		L	T	P	S	Credits	Total III's
Semi conductor Physics / Biology for Engineers	1	Communication Skills for Engineers	I	2	0	1	0	3	4
Basic Electrical & Electronics Engg. / Engineering Graphics and Introduction to Digital Fabrication	2	Multi Variable Calculus	I	3	0	1	0	4	5
A   Engineering Graphics and Introduction to Digital Fabrication   I   3   0   1   0   4   5	3		I	3	0	1	0	4	5
Name of the Course   Semester II	4	Engineering Graphics and Introduction	I	3	0	1	0	4	5
Total	5		C	3	0	1	1	5	8
Year :	6	Environmental Impact Analysis	Mng	2	0	0	0	0	2
Name of the Course   Type of Course   L   T   P   S   Credits		Total		16	0	5	1	20	29
Name of the Course   Type of Course   L T P S Credits									
Name of the Course   Course   L   T   P   S   Credits	Year :		2022-23 wi	Semester II					
L T P S   Credits	Subiect	Name of the Course			Total Hrs				
2 Discrete Mathematics / Engineering Mechanics  Basic Electrical & Electronics Engg. / 3 Engineering Graphics and Introduction to Digital Fabrication  4 Semi conductor Physics / Biology for Engineers  5 Engineeering Workshop / Introduction of Digital System  1 2 0 1 0 3 4  Engineeering Workshop / Introduction of Digital System  C 3 0 1 1 5 8				L	T	P	S	Credits	
Mechanics	1	Linear Algebra & Differential Equations	T	3	0	0	0	3	3
3         Engineering Graphics and Introduction to Digital Fabrication         I         3         0         1         0         4         4           4         Semi conductor Physics / Biology for Engineers         I         3         0         1         0         4         5           5         Engineeering Workshop / Introduction of Digital System         I         2         0         1         0         3         4           6         OOPS         C         3         0         1         1         5         8	2		T	3	0	0	0	3	3
Engineers   1   3   0   1   0   4   5	3	Engineering Graphics and Introduction	I	3	0	1	0	4	4
5         of Digital System         I         2         0         I         0         3         4           6         OOPS         C         3         0         I         I         5         8	4	•	I	3	0	1	0	4	5
	5	of Digital System	I	2	0	1	0	3	4
Total 17 0 4 1 22 27	6	OOPS	<u>C</u>	3	0	1	1	5	8
<u> </u>			T						

Calling	Name of the Course	Type of Course		7	T-4-1 Hon			
Subject			L	T	P	S	Credits	Total Hrs
1	Mathematics-III (Functions of Complex Variables and Transforms)	T	3	0	0	0	3	3
2	Environmental Monitoring and Analysis	T	2	0	0	0	2	2
3	Mechanics of Materials	I	3	0	1	0	4	5
4	Fluid Mechanics	I	3	0	1	0	4	5
5	Surveying	C	3	0	1	1	5	8
6	Computer designs in Civil Engineering	I	1	0	1	0	3	5
7	Communication Competency & Aptitude Building -1	T	1	0	1	0	2	3
	Total		16	0	5	1	23	28
Year:		2023-24 Wi	inter					Semester IV
Subject	Name of the Course	Type of Course		Total Hrs				
Zuojeet			L	T	P	S	Credits	10000 1110
1	Probability and Statistics	T	3	0	0	0	3	3
2	Hydrology and Hydraulic Systems	T	3	0	0	0	3	3
3	Construction Engineering	C	3	0	1	1	5	8
4	Geotechnical Engineering	I	3	0	1	0	4	5
5	Program Elective -1	I	3	0	1	0	4	5
6	Structural Analysis	I	3	0	1	0	4	5
7	Communication Competency & Aptitude Building -2	T	1	0	1	0	2	3
	Total		19	0	5	1	25	32
Year :								Semester V
Subject	Name of the Course	Type of Course		7	Total Hrs			
Suojeci	Name of the Course		L	T	P	S	Credits	101111111111111111111111111111111111111

	-							
1	Design of Reinforced Concrete Structures	I	3	0	0	0	3	5
2	Water Supply & Treatment Systems	T	3	0	0	0	3	3
3	Transportation Engineering	С	3	0	1	1	5	8
4	Advanced Structural Analysis	I	3	0	1	0	4	3
5	ProgramElective - II	T	3	0	0	0	3	3
6	Program Elective - III	T	3	0	0	0	3	3
7	Summer Internship	T	0	0	0	0	1	0
7	Communication Competency & Aptitude Building -3	Т	1	0	0	1	2	3
	Total		19	0	2	2	24	28
Year :		2024-25 W	inter		•			Semeste VI
Subject	Name of the Course	Type of Course		7	Teachin,	g Scheme		Total Hrs
Subject	Name of the Course		L	T	P	S	Credits	10tut 1115
1	Program Elective - IV	T	2	0	0	0	2	2
2	Program Elective - V	T	2	0	0	0	2	2
3	Construction Estimating and Costing	C	3	0	1	1	5	8
4	Program Elective - VI	T	3	0	0	0	3	3
5	Program Elective - VII	T	3	0	0	0	3	3
6	Civionics	I	1	0	1	0	2	3
7	Civil-3D Designs	I	1	0	1	0	2	6
8	Technical Paper writing		0	0	1	0	0	2
7	Campus to Corporate	T	1	0	1	0	2	3
	Total		16	0	5	1	21	32
Year :		2025-26 F	Fall			Semester VII		
Subject	Name of the Course	Type of Course		7	Total Hrs			
Subject			L	T	P	S	Credits	10ttu 1115
1	Program Elective - VIII	T	3	0	0	0	3	3
2	Program Elective - IX	T	3	0	0	0	3	8
4	Construction Planning & Management	T	3	0	0	0	3	3

5	Design of Steel Structures	T	3	0	0	0	3	8
6	Capstone Phase-1		0	0	0	0	3	0
7	Industrial Internship		0	0	0	0	1	0
	Total		12	0	0	0	16	22
Year :		2025-26 Wi	inter					Semester VIII
Subject	Name of the Course	Type of Course		7	Total Hrs			
Subject	Traine of the course		L	T	P	S	Credits	101111111111111111111111111111111111111
1	Capstone Phase 2		0	0	0	0	9	0
	Total		0	0	0	0	9	0
						Total	Credits	160

List of Program Electives

В	B. Tech in Civil Engineering (Geographical Information Systems and Remote Sensing)										
		Course									
Sr.No.	Course Name	type	$\boldsymbol{L}$	T	P	S	C				
1	Digital Terrain Modeling	I	3	0	1	0	4				
2	Remote Sensing & Image Processing	Ι	3	0	1	0	4				
3	Photogrammetry & Drone mapping	T	3	0	0	0	3				
4	Spatial data analysis	I	3	0	1	0	4				
5	RS & GIS Applications	С	3	0	1	1	5				
6	Applied Geoinformatics	T	3	0	0	0	3				
7	Earth's Positioning Systems & Digital Cartography	T	3	0	0	0	3				
8	Geotectonics and Geomorphology	T	3	0	0	0	3				
9	Geo-Informatics in Transport Network Analysis	T	3	0	0	0	3				
10	Principles of Satellite Remote Sensing	T	3	0	0	0	3				

Total 35