

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2016-2017

M.Tech. - Construction Technology

I SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credits
			Theory	Practical/ Field Work/ Assignment	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	16CCT11	Mechanization in Construction	4	-	3	20	80	100	4
2	16CCT12	Construction Project and Management	4	-	3	20	80	100	4
3	16CCT13	Advanced Techniques in Concrete Construction	4	-	3	20	80	100	4
4	16CCT14	Construction Quality and Safety	4	-	3	20	80	100	4
5	16 CCT15X	Elective-I	3	-	3	20	80	100	3
6	16CCTL16	Concrete Laboratory		3	3	20	80	100	2
7	16CCT17	Seminar	-	3	-	100	-	100	1
TOTAL			19	6	18	220	480	700	22

Elective -I	
16CCT151	Advanced Reinforced Concrete Design
16CCT152	Applied Soil Mechanics
16CCT153	Applications of RS and GIS in Construction
16CCT154	Sustainable Materials and Green Building

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			Theory	Practical/Field Work/Assignment	Duration	I.A. Marks	Theory/Practical Marks		Total Marks
1	16CCT21	Design of Sub Structures	4	-	3	20	80	100	4
2	16CCT22	Construction Economics and Finance	4	-	3	20	80	100	4
3	16CCT23	Pre Engineering Construction and Technology	4	-	3	20	80	100	4
4	16CCT24	Construction Contracts and Specification	4	-	3	20	80	100	4
5	16CCT25X	Elective-II	3	-	3	20	80	100	3
6	16CCTL26	Software Applications Laboratory		3	3	20	80	100	2
7	16CCT27	Seminar	-	3	-	100	-	100	1
TOTAL			19	6	18	220	480	700	22

Elective -II	
16CCT251	Advanced Design of Steel Structures
16CCT252	Pavement Design and Construction
16CCT253	Earthquake Resistant Design of Structures
16CCT254	Building Cost and Quality Management

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III SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination			Credit	
			Theory	Practical/ Field Work/ Assignment	Duration	I.A. Marks	Theory/ Practical Marks		Total Marks
1	16CCT31	Seminar / Presentation on Internship (After 8 weeks from the date of commencement)	-	-	-	25	-	25	20
2	16CCT32	Report on Internship	-	-	-	25	-	25	
3	16CCT33	Evaluation and Viva-Voce of Internship	-	-	-	-	50	50	
4	16CCT34	Evaluation of Project Phase -1	-	-	-	50	-	50	1
TOTAL			-	-	-	100	50	150	21

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M.Tech. - Structural Engineering

IV SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credit
			Theory	Practical/ Field Work/ Assignment	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	16CCT41	Restoration and Rehabilitation of Structures	4	-	3	20	80	100	4
2	16CCT42X	Elective-3	3	-	3	20	80	100	3
3	16CCT43	Evaluation of Project phase -2	-	-	-	50	-	50	3
4	16CCT44	Evaluation of Project and Viva-Voce	-	-	3	-	100+100	200	10
TOTAL			-	-	6	90	360	450	20

Elective-III	
16CCT421	Disaster Management Techniques
16CCT422	Construction Demolition and Waste Management
16CCT423	Design of Pre-stressed Concrete Structures
16CCT424	Energy and Buildings

Note:

1. Project Phase-1: 6-week duration shall be carried out between 2nd and 3rd Semester. Candidates in consultation with the guide shall carry out literature survey/ visit industries to finalize the topic of Project.

2. Project Phase-2: 16-week duration during 4th semester. Evaluation shall be done by the committee constituted comprising of HoD as Chairman, Guide and Senior faculty of the department.

3. Project Evaluation: Evaluation shall be taken up at the end of 4th semester. Project work evaluation and Viva-Voce examination shall conducted

4. Project evaluation:

a. Internal Examiner shall carry out the evaluation for 100 marks.

b. External Examiner shall carry out the evaluation for 100 marks.

c. The average of marks allotted by the internal and external examiner shall be the final marks of the project evaluation.

d. Viva-Voce examination of Project work shall be conducted jointly by Internal and External examiner for 100 marks.