

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

M.TECH -INFRASTRUCTURE CONSTRUCTION AND MANAGEMENT (CIM)

I 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	16CIM11	Pre Stressed Concrete	4	-	3	20	80	100	4
2	16CIM12	Construction Equipments	4	-	3	20	80	100	4
3	16CIM13	Advances in Concrete Technology	4	-	3	20	80	100	4
4	16CIM14	Contract Management	4	-	3	20	80	100	4
5	16CIM15X	Elective-1	3	-	3	20	80	100	3
6	16CIM L16	Concrete Technology Laboratory - 1		3	3	20	80	100	2
7	16CIM17	Seminar	-	3	-	100	-	100	1
TOTAL			19	6	18	220	480	700	22

Elective	
16 CIM 151 / 16 CHT 151	Road Projects
16 CIM 152	Advanced Design of Concrete Structures
16 CIM 153	Introduction to Seismic Resistant Design
16 CIM 154 / 16 CHT 14	Highway Construction and Maintenance

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

M.TECH - INFRASTRUCTURE CONSTRUCTION AND MANAGEMENT (CIM)

II 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	16CIM21	Special Concrete	4	-	3	20	80	100	4
2	16CIM22	Construction Costing and Material Management	4	-	3	20	80	100	4
3	16CIM23	Project Planning and Construction Management	4	-	3	20	80	100	4
4	16CIM24	Pre-Engineered Structures	4	-	3	20	80	100	4
5	16CIM25X	Elective - 2	3	-	3	20	80	100	3
6	16 CIM L26	Concrete Technology Laboratory - 2		3	3	20	80	100	2
7	16 CIM 27	Seminar	-	3	-	100	-	100	1
TOTAL			19	6	18	220	480	700	22

Elective	
16 CIM 251	Statistics & Numerical Analysis in Construction
16 CIM 252 / 16 CHT 252	Bridge and Grade Separated Structures
16 CIM 253 / 16 CHT 253	Ground Improvement Techniques
16 CIM 254	Building Services and Maintenance

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

M.TECH - INFRASTRUCTURE CONSTRUCTION AND MANAGEMENT (CIM)

III SEMESTER: Internship

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	16 CIM 31	Seminar / Presentation on Internship (After 8 weeks from the date of commencement)	-	-	-	25	-	25	20
2	16 CIM 32	Report on Internship	-	-	-	25	-	25	
3	16 CIM 33	Evaluation and Viva-Voce of Internship	-	-	-	-	50	50	
4	16 CIM 34	Evaluation of Project phase -1	-	-	-	50	-	50	1
TOTAL			-	-	-	100	50	150	21

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2016-2017
M.TECH - INFRASTRUCTURE CONSTRUCTION AND MANAGEMENT (CIM)

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	16 CIM 41	Construction Quality & Safety Management	4	-	3	20	80	100	4
2	16 CIM 42	Elective-3	3	-	3	20	80	100	3
3	16 CIM 43	Evaluation of Project phase -2	-	-	-	50	-	50	3
4	16 CIM 44	Evaluation of Project and Viva-Voce	-	-	-	-	100+100	200	10
TOTAL			-	-	6	90	360	450	20

Elective	
16 CIM 421	Foundation Technology
16 CIM 422	Maintenance and Rehabilitation of Structures
16 CIM 423	Construction Demolition and Waste Management
16 CIM 424	Sustainable Constructions

Note:

1. **Project Phase-1:** 6-week duration shall be carried out between 2nd and 3rd Semester vacation. 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.