

Department of Civil Engineering
4th Year Syllabus
2020-21

VII SEMESTER

DEPARTMENT OF CIVIL ENGINEERING SCHEME OF TEACHING AND EXAMINATION VII SEMESTER B.E (AUTONOMOUS SCHEME)							
Sl.No.	Subject Code	Subject	Category	L	T	P	Cr.
1	CV0413	Quantity Surveying & Estimation	GC	4	0	0	4
2	CV0414	Transportation Engineering	FCT	4	0	0	4
3	CV0434	Waste Water Engineering	FCE	4	0	0	4
4	CV0438	Design of Steel Structures	FCS	3	2	0	4
5		Elective -III		3	0	0	3
6	CV0120	Environmental Engineering Laboratory	FCE	0	0	3	1.5
7	CV0121	Concrete and NDT Laboratory	FCS	0	0	3	1.5
8	CV0213	Detailing of Steel Structures	FCS	1	0	2	2
9	CV0125	Stacked Project	GC	-	-	-	1
Total Credits							25
Total Contact Hrs							29

Sl.No.	Subject Code	Elective –III	Category
1	CV0316	Pavement Evaluation and Management	FET
2	CV0323	Repair & Rehabilitation of Structures	FES
3	CV0328	Disaster Management	GE
4	CV0335	Foundation Engineering	FEG
5	CV0336	Pipe Network Analysis and Design	FEH

GC	Core
FCS	Foundation Core- Structure
FCE	Foundation Core- Environmental
FCG	Foundation Core- Geotechnical
FCT	Foundation Core- Transportation
GE	Elective
FES	Foundation Elective- Structure
FEG	Foundation Elective- Geotechnical
FET	Foundation Elective- Transportation
FEH	Foundation Elective- Hydraulics and water resources

Shortlisted Courses for 7th semester

Regarding the enrollment for value added courses of Massive Open Online Courses-MOOC (NPTEL-National Programme on Technology Enhanced Learning) for 7thsemester Civil Engineering students.

As per the University guidelines it is advised that Final year students are informed to enroll into any one course from the NPTEL shortlisted courses to enhance their level of competency.

<u>Sl. No</u>	Course Id	Discipline/ Category	Course Name	Host Institute	Course Duration	Course Start Date	Course End Date	Exam date
1	noc20-ce44	Civil Engineering	Project Planning & Control	IITM	8 Weeks	14 Sep 2020	06-NOV-2020	Dec-18-2020
2	noc20-ce47	Civil Engineering	Glass in buildings : Design and applications	IITM & Glass Academy	12 Weeks	14 Sep 2020	09-Dec-20	Dec-19-2020
3	noc20-ce52	Civil Engineering	Earthquake Resistant Design of Foundations	IITR	8 Weeks	14 Sep 2020	06-NOV-2020	Dec-19 2020
4	noc20-ce53	Civil Engineering	Introduction to Multimodal Urban Transportation Systems (MUTS)	IIT KGP	12 Weeks	14 Sep 2020	04 Dec 2020	19 Dec 2020
5	Noc20-ce58	Civil Engineering	Remote Sensing and GIS	IITG	8 weeks	14 Sep 2020	06 Nov 2020	18 Dec 2020
6	noc20-hs60	Humanities and Social Sciences	Soft skills	IITR	12 Weeks	14 Sep 2020	09-Dec-2020	Dec 19-2020

VIII SEMESTER

DEPARTMENT OF CIVIL ENGINEERING SCHEME OF TEACHING AND EXAMINATION VIII SEMESTER B.E (AUTONOMOUS SCHEME)							
Sl.No.	Subject Code	Subject	Category	L	T	P	Cr.
1	CV0342	Construction and Project Management	GC	3	0	0	3
2	CV0435	Engineering Economics and Financial Management	GC	4	0	0	4
3	CV0436	Pre-stressed Concrete Structures	FCS	4	0	0	4
4		Elective –IV		3	0	0	3
5		Elective –V		1	2	0	2
6	CV0210	Design & Drawing of Bridges	FCS	1	0	2	2
7	CV0601	Major Project	GC	0	0	12	6
Total Credits							24
Total Contact Hrs							32

Sl.No.	Subject Code	Elective –IV	Category
1	CV0314	Advanced RCC Structures	FES
2	CV0333	Environmental Sanitation	FEE
3	CV0334	Structural Dynamics and Earthquake Engineering	FES
4	CV0339	Earth Retaining Structures	FEG
5	CV0338	Water Resources Engineering and Management	FEH
6	CV0344	Airport Engineering	FET

Sl.No.	Subject Code	Elective –V	Category
1	CV0211	Construction Surveying	GE
2	CV0212	Professional Communication	GE

GC	Core
FCS	Foundation Core- Structure
GE	Elective
FES	Foundation Elective- Structure
FEG	Foundation Elective- Geotechnical
FEH	Foundation Elective- Hydraulics and water resources
FEE	Foundation Elective – Environmental
FET	Foundation Elective – Transportation