

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

IV B.Tech.(4YDC) CIVIL ENGINEERING

SEMESTER - VII

S.No.	Subject Category	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1	PCC	CE41001	Design of Advanced RCC Structures	3	-	2	3	1	70	30	40	60	200
2	PCC	CE41006	Design of Hydraulic Structure	3	-	2	3	1	70	30	40	60	200
3	PCC	CE41007	Geotechnical Engg. -II	3	-	2	3	1	70	30	40	60	200
4	PEC		Elective - III	3	-	-	3	-	70	30	-	-	100
5	PEC		Elective - IV	3	-	-	3	-	70	30	-	-	100
6	PROJ	CE	Major Project	-	-	8	-	4	-	-	80	120	200
Total				15	0	14	15	7	350	150	200	300	1000

SEMESTER - VIII

S.No.	Subject Category	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1	OEC		Elective V	-	-	-	-	-	-	100	-	-	100
2	OEC		Elective VI	-	-	-	-	-	-	100	-	-	100
3	PROJ	CE	Industrial Training/Internship	-	-	24	-	12	-	-	80	120	200
4													
Total				0	0	24	0	12	0	200	80	120	400


PROFESSOR & HEAD
 Civil Engg. & Applied Mech. Dept.
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List of Electives

Elective - III			Semester VII
S.No.	Subject Category	Subject Code	Subject
1	PEC	CE41281	Advanced Analysis of Structures
2	PEC	CE41282	Advanced Structural Design(Building)(CE4172)(CE41272)
3	PEC		Advanced Geology & Rock Mechanics
4	PEC	CE41285	Transportation Planning
5	PEC		Planning and Management of Water Resources
6	PEC	CE41286	Pavement Materials
7	PEC	CE41287	Integrated Waste Management for a Smart City

NPTEL

NPTEL

8. PEC

Structural Dynamics
theory and computational
methods

NPTEL

9. PEC

Advance Prestressed
concrete Design

NPTEL

10. PEC

Blast and Impact
Resistance structure

NPTEL




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Elective IV			Semester VII
S.No.	Subject Category	Subject Code	Subject
1	PEC	CE41312	Bridge Engineering
2	PEC		Advanced Construction Planning & Management
3	PEC	CE41313	Pre-stressed Concrete Design
4	PEC		Instrumentation & Experimental Techniques
5	PEC		System Application to Water Resources
6	PEC	CE41311	Traffic Engineering(CE41301)
7	PEC	CE	Advance Fluid Mechanics
8	PEC	CE41314	Plastic Waste Management
	PEC	CE41315	Industrial Waste Water Management
9	PEC		MOOC/SWAYAM online course

10. PEC

Sustainable Ground
Water Management

NPTEL



11. PEC

Sustainable Transportation

NPTEL



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List of Electives

Elective V			Semester VIII
S.No.	Subject Category	Subject Code	Subject
1	OEC	CE41674	Advanced Transportation Engineering(CE41684)
2	OEC	CE41678	Design of RCC and Prestressed Bridge(CE41608)
3	OEC		Remote Sensing and Geodesy
4	OEC		Air Quality Management
5	OEC	CE41675	Advanced Geotechnical Engineering
6	OEC	CE41677	Advanced Hydrological Analysis
7	OEC		Open Elective offered by other Department or from CE-AMD Department

Elective VI			Semester VIII
S.No.	Subject Category	Subject Code	Subject
1	OEC	CE41774	Advanced Fluid Mechanics
2	OEC		Structural Dynamics
3	OEC	CE41773	Advanced Remote Sensing(CE41783)
4	OEC	CE41714	Highway Construction Practice
5	OEC	CE41711	Municipal Solid Waste Management(CE41701)
6	OEC		Finite Element Methods
7	OEC	CE	Design of Foundation Systems
8	OEC	CE41712	Advanced Construction Practices

Raw

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 PROVISIONAL HEAD
 CHIEF OF CIVIL ENGINEERING DEPT.
 SHRI G.S. INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

SB