


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 Engineering -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	CE41498	Minor Project	-	-	4	-	2	-	-	40	60	100
Total				15	0	10	15	5	350	150	160	240	900

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	3	-	-	3	-	70	30	-	-	100
2	OEC		Elective VI	3	-	-	3	-	70	30	-	-	100
3	PROJ	CE41882	Industrial Training/Internship/Seminar	-	-	8	-	4	-	-	100	-	100
4	PROJ	CE41997	Major Project	-	-	8	-	4	-	-	40	60	100
Total				6	0	16	6	8	140	60	140	60	400


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 Civil Engg. & Applied Mech. Dept.
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IV B.Tech.(4YDC) CIVIL ENGINEERING
 List of Electives

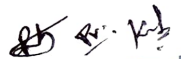
Elective - III		Semester VII	
S.No.	Subject Category	Subject Code	Subject
1		CE41281	Advanced Analysis of Structures
2		CE41282	Advanced Structural Design(Building)(CE4172)(CE41272)
3			Advanced Geology & Rock Mechanics
4		CE41285	Transportation Planning
5			Planning and Management of Water Resources
6		CE41286	Pavement Materials
7		CE41287	Integrated Waste Management for a Smart City
8		CE4N001	Advanced Geomatics Engineering

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

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Elective V			Semester VIII
S.No.	Subject Category	Subject Code	Subject
1		CE41674	Advanced Transportation Engineering(CE41684) ✓
2		CE41678	Design of RCC and Prestressed Bridge(CE41608) ✓
3			Remote Sensing and Geodesy
4			Air Quality Management
5		CE41675	Advanced Geotechnical Engineering ✓
6		CE41677	Advanced Hydrological Analysis

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


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