





III B.Tech.(4YDC) CIVIL ENGINEERING

Elective I		Semester VI	
S. No.		Sub. Code	Subject
1		CE31601	Advance Highway and Airport Engineering
2		CE31602	Pavement Design Construction and Maintanance
3			MOOC/SWAYAM online course *

Elective II		Semester VI	
S. No.		Sub. Code	Subject
1		CE31701	Decentralized Waste Water Management
2		CE31702	Environmental Auditing and Management Systems
3		CE31703	Water and Wastewater Treatment Technologies
4			MOOC/SWAYAM online course *

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SEMESTER - VII

S. No.	Subject Category	Sub. Code	Subject	Periods per Week			Th. Credi	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1		CE41006	Design of Hydraulic Structure	4	-	2	3	1	70	30	40	60	200
2		CE41007	Geotechnical Engg. -II	4	-	2	3	1	70	30	40	60	200
3		CE41001	Design of Advanced RCC Structures	4	-	2	3	1	70	30	40	60	200
4			<b>Elective - III</b>	4	-	-	3	-	70	30			100
5			<b>Elective - IV</b>	4	-	-	3	-	70	30			100
6		CE41499	Major Project Phase-I (AB group)	-	-	4	0	2	0	0	40	60	100
7		<b>CE41998</b>	<b>Major Project Phase-II (BA group)</b>		<b>4</b>		<b>0</b>	<b>4</b>					
Total				20	0	10	15	5	350	150	160	240	900
Total				20	4	6	15	7	350	150	160	240	900
Optional Subject(s)													
8			Open Category-III ( Audit Only)	-	-	-	-	-	-	-	-		

SEMESTER - VIII

S. No.	Subject Category	Sub. Code	Subject	Periods per Week			Th. Credi	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1			<b>Elective V</b>	4	-	-	3		70	30			100
2			<b>Elective VI</b>	4	-	-	3		70	30			100
3		<b>CE41882</b>	<b>Industrial Training/Internship/Seminar*</b>			8	-	4	0	0	100	0	100
4		<b>CE41998</b>	<b>Major Project Phase-II (AB group)</b>		4		-	4	-	-	40	60	100
5		CE41499	Major Project Phase-I ( BA group)			4		2			40	60	100
Total				8	4	8	6	8	140	60	140	60	400
Total				8	0	12	6	6	140	60	140	60	400

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Elective - III			Semester VII
S.No.		Sub. Code	Subject
1			Advanced Analysis of Structures
2		<b>CE41282</b>	Advanced Structural Design(Building)(CE4172)(CE41272)
3			Advanced Geology & Rock Mechanics
4			Industrial Waste Water Treatment
5			Transportation Planning
6			Planning and Management of Water Resources
7			MOOC/SWAYAM online course *

Elective IV			Semester VII
S.No.		Subject Code	Subject
1		<b>CE41312</b>	Bridge Engineering
2			Advanced Construction Planning & Management
3		<b>CE41313</b>	Pre-stressed Concrete Design
4			Instrumentation & Experimental Techniques
5			System Application to Water Resources
6		<b>CE41311</b>	Traffic Engineering(CE41301)
7			<b>Advance fluid Mechanics</b>
8			<b>Advance Construction Practices</b>
9			MOOC/SWAYAM online course *

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Elective V		Semester VIII	
S.No.	Sub. Code	Subject	
1	<b>CE41674</b>	Advanced Transportation Engineering(CE41684)	
2		Design of RCC and Prestressed Bridge(CE41608)	
3		Remot Sensing and Geodesy	
4		Air Quality Management	
5		Advanced Geotechnical Engineering	
6		Advanced Hydrological Analysis	
7		MOOC/SWAYAM online course *	

Elective VI		Semester VIII	
S.No.	Subject Code	Subject	
1		<b>Advanced Fluid Mechanics</b>	
2		Structural Dynamics	
3	<b>CE41773</b>	Advanced Remote Sensing(CE41783)	
4	<b>CE41714</b>	Highway Construction Practice	
5		Municipal Solid Waste Management(CE41701)	
6		Finite Element Methods	
7		MOOC/SWAYAM online course *	