



Walchand College of Engineering

(Government Aided Autonomous Institute)

Credit System for Third Year B. Tech. (Civil Engineering)

Applicable from AY 2025-26 onwards

Semester V

Sr. No.	Category	Course Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PCC	7CV301	Soil Mechanics	3	0	0	3	3	30	20	50	
02	PCC	7CV302	Water Supply and Treatment Technology	3	0	0	3	3	30	20	50	
03	PCC	7CV303	Concrete Technology	3	0	0	3	3	30	20	50	
04	PCC	7CV304	Design of Reinforced Concrete Structures	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
05	PCC	7CV351	Water Quality Analysis Lab	0	0	2	2	1	30	30	40	POE
06	PCC	7CV352	Soil Mechanics Lab	0	0	2	2	1	30	30	40	OE
07	PCC	7CV353	Concrete Technology Lab	0	0	2	2	1	30	30	40	OE
Open Elective												
08	OE	Refer List	Open Elective -1	3	0	0	3	3	30	20	50	
Multi-Disciplinary Minor (MDM)												
09	MDM	Refer List	MDM	3	0	0	3	3	30	20	50	
Mandatory Courses												
10	VEC	7VE301	Environmental Science	2	0	0	2	2	30	20	50	
			Total	20	0	6	26	23				

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DAC/Member Secretary, BoS

Dr. A. K. Mali
HOD / Chairman, BoS

Dr. A.K. Kokane
Dean Academics



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Semester VI

Sr. No.	Category	Course Code	Course Name	L	T	P	Hr	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)												
01	PCC	7CV321	Highway and Railway Engineering	3	0	0	3	3	30	20	50	
02	PCC	7CV322	Foundation Engineering	2	1	0	3	3	30	20	50	
03	PCC	7CV323	Waste Management and Pollution Control	3	0	0	3	3	30	20	50	
Professional Core (Lab)												
04	PCC	7CV371	Highway Materials and Traffic Engineering Lab	0	0	2	2	1	30	30	40	OE
05	PEC	7CV372	Problem Based Lab 1	0	0	2	2	1	30	30	40	
06	VSEC	7VSCV371	Computer-Aided Structural Design	0	0	2	2	1	30	30	40	OE
Professional Elective												
07	PEC	Refer List	Professional Elective -1	2	0	0	2	2	30	20	50	
Open Elective												
08	OE	Refer List	Open Elective -2	3	0	0	3	3	30	20	50	
Multi-Disciplinary Minor (MDM)												
09	MDM	Refer List	MDM	3	0	0	3	3	30	20	50	
10	MDM	Refer List	MDM Lab	0	0	2	2	1	30	30	40	
Mandatory Courses												
11	EEM	7EE301	Engineering Economics & Financial Management	2	0	0	2	2	30	20	50	
			Total	18	1	8	27	23				

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Professional Elective-1 Course List for T.Y. B.Tech. (Civil Engineering) Sem-VI AY 2025-26

Sr. No	Course Code	Course Name
Professional Elective-1		
01	7CV331	Remote Sensing and GIS
02	7CV332	Plastic and Electronic Waste Management
03	7CV333	Fundamentals of Air and Noise Pollution Control
04	7CV334	River Engineering
05	7CV335	Structural Mechanics
06	7CV336	Airport Engineering
07	7CV337	Advanced Concrete Technology

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