

# Walchand College of Engineering

(Government-Aided Autonomous Institute)

Vishrambag, Sangli 416 415



**Credit System for  
S.Y. B.Tech. (Civil Engineering)  
Sem-III and IV**

**AY 2023-24**



# Walchand College of Engineering

(Government Aided Autonomous Institute)

## Credit System for S.Y. B.Tech. (Civil Engineering) Sem-III AY 2023-24

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext	
<b>Professional Core (Theory)</b>														
01	BS	6MA201	Applied Mathematics	3	0	0	0	3	3	30	20	50		
02	PC	6CV202	Fluid Mechanics and Hydraulic Machines	3	0	0	0	3	3	30	20	50		
03	PC	6CV203	Building Materials and Construction	3	0	0	0	3	3	30	20	50		
04	PC	6CV205	Engineering Surveying	3	0	0	0	3	3	30	20	50		
05	PC	6CV206	Strength of Materials	3	0	0	0	3	3	30	20	50		
<b>Professional Core (Lab)</b>														
06	PC	6CV252	Fluid Mechanics Laboratory	0	0	2	0	2	1	30	30	40	POE	
07	PC	6CV253	Building Materials and Construction Laboratory	0	0	2	0	2	1	30	30	40	POE	
08	PC	6CV257	Engineering Geology Laboratory	0	0	2	1	3	2	30	30	40		
09	PC	6CV255	Engineering Surveying Laboratory	0	0	2	0	2	1	30	30	40	POE	
10	PC	6CV256	Strength of Material Laboratory	0	0	2	0	2	1	30	30	40		
<b>AICTE Mandatory Courses</b>														
Total				15	0	10	1	26	21					

### Notes:

For Theory courses: There shall be MSE, ISE and ESE. The ESE is a separate head of passing.

For Lab courses: There shall be continuous assessment (LA1, LA2, ESE). The ESE is a separate head of passing. The POE/OE indicates external component for ESE.

Minimum two AICTE mandatory courses need to be completed for award of degree.

For further details, refer to Academic and Examination rules and regulations.

Dr. A. K. Mali  
Department Academic Coordinator

Dr. G. R. Munavalli  
Head, Department of Civil Engineering

  
11/8/2023

Dr. Mrs. S. P. Sonavane  
Dean Academics



# Walchand College of Engineering

(Government Aided Autonomous Institute)

## Credit System for S.Y. B.Tech. (Civil Engineering) Sem-IV AY 2023-24

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
<b>Professional Core (Theory)</b>													
01	PC	6CV221	Building Planning and Design	3	0	0	0	3	3	30	20	50	
02	PC	6CV222	Water Resource Engineering	2	1	0	0	3	3	30	20	50	
03	PC	6CV223	Structural Analysis	3	0	0	0	3	3	30	20	50	
04	PC	6CV224	Concrete Technology	3	0	0	0	3	3	30	20	50	
05	PC	6CV225	Open Channel Hydraulics	3	0	0	0	3	3	30	20	50	
<b>Professional Core (Lab)</b>													
06	PC	6CV271	Hydraulics Laboratory	0	0	2	0	2	1	30	30	40	
07	PC	6CV272	Mini Project 1 Building Planning and Design	0	0	2	0	2	1	30	30	40	POE
08	PC	6CV273	Advanced Surveying Laboratory	0	0	2	1	3	2	30	30	40	POE
09	PC	6CV275	Concrete Technology Laboratory	0	0	2	0	2	1	30	30	40	OE
<b>AICTE Mandatory Courses</b>													
10	MC	6IC201	Environment Science	2	0	0	0	2	0	20	20	40	
Total				<b>16</b>	<b>1</b>	<b>8</b>	<b>1</b>	<b>26</b>	<b>20</b>				

**Notes:**

For Theory courses: There shall be MSE, ISE and ESE. The ESE is a separate head of passing.

For Lab courses: There shall be continuous assessment (LA1, LA2, ESE). The ESE is a separate head of passing. The POE/OE indicates external component for ESE.

Minimum two AICTE mandatory courses need to be completed for award of degree.

**For further details, refer to Academic and Examination rules and regulations.**



Dr. A. K. Mali  
Department Academic Coordinator

Dr. G. R. Munavalli  
Head, Department of Civil Engineering

Dr. Mrs. S. P. Sonavane  
Dean Academics

**Dean Academics**  
Walchand College of Engg.  
Vishrambag, Surajji - 415 115