

Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416415



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

2022-23



Walchand College of Engineering

(Government Aided Autonomous Institute)

Credit System for S.Y. B.Tech. (Civil Engineering) Sem-III AY 2022-23

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
Professional Core (Theory)													
1	BS	6MA201	Applied Mathematics	3	0	0	0	3	3	30	20	50	
2	ES	6CV202	Fluid Mechanics and Hydraulic Machines	3	0	0	0	3	3	30	20	50	
3	PC	6CV203	Building Materials and Construction	3	0	0	0	3	3	30	20	50	
4	ES	6CV204	Engineering Geology	2	0	0	0	2	2	30	20	50	
5	PC	6CV205	Engineering Surveying	3	0	0	0	3	3	30	20	50	
6	ES	6CV206	Strength of Materials	3	0	0	0	3	3	30	20	50	
Professional Core (Lab)													
7	ES	6CV252	Fluid Mechanics lab	0	0	2	0	2	1	30	30	40	POE
8	PC	6CV253	Building Materials and Construction Lab	0	0	2	0	2	1	30	30	40	OE
9	ES	6CV254	Engineering Geology lab	0	0	2	0	2	1	30	30	40	
10	PC	6CV255	Engineering Surveying lab	0	0	2	0	2	1	30	30	40	POE
Total				17	0	8	0	25	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 Y in the PoE 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.



Walchand College of Engineering

(Government Aided Autonomous Institute)

Credit System for S.Y. B.Tech. (Civil Engineering) Sem-IV AY 2022-23

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext	
Professional Core (Theory)														
1	PC	6CV225	Open Channel Hydraulics	3	0	0	0	3	3	30	20	50		
2	PC	6CV221	Building Planning and Design	3	0	0	0	3	3	30	20	50		
3	PC	6CV222	Water Resource Engineering	3	0	0	0	3	3	30	20	50		
4	PC	6CV223	Structural Analysis	3	0	0	0	3	3	30	20	50		
5	PC	6CV224	Concrete Technology	3	0	0	0	3	3	30	20	50		
Professional Core (Lab)														
6	PC	6CV271	Hydraulics Lab	0	0	2	0	2	1	30	30	40	POE	
7	PC	6CV272	Mini Project -1 Building Planning and Design	0	0	2	0	2	1	30	30	40	OE	
8	PC	6CV273	Advanced Surveying Lab	0	0	2	1	3	2	30	30	40	POE	
9	PC	6CV274	Strength of Materials Lab	0	0	2	0	2	1	30	30	40	OE	
AICTE Mandatory Courses														
10	MC	6IC201	Environmental Science	2	0	0	0	2	0	30	20	50		
Total				17	0	8	1	26	20					

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 Y in the PoE 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.