

Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli. 416415



***** Platinum Jubilee Year *****

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

2021-22



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Credit System for S.Y. B.Tech. (Civil Engineering) Sem-III AY 2021-22

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	T1/LA1	T2/LA2	ESE	
Professional Core (Theory)													
1	BS	5MA201	Probability and Statistics	2	0	0	0	2	2	20	20	60	
2	PC	5CV202	Fluid Mechanics	2	1	0	0	3	3	20	20	60	
3	ES	5CV203	Building Materials and Construction	3	0	0	0	3	3	20	20	60	
4	ES	5CV204	Engineering Geology	2	0	0	0	2	2	20	20	60	
5	PC	5CV205	Engineering Surveying	3	0	0	0	3	3	20	20	60	
6	ES	5CV206	Solid Mechanics	2	1	0	0	3	3	20	20	60	
Professional Core (Lab)													
7	PC	5CV252	Fluid Mechanics Lab	0	0	2	0	2	1	30	30	40	
8	ES	5CV253	Building Materials and Construction Lab	0	0	2	0	2	1	30	30	40	
9	PC	5CV254	Engineering Geology Lab	0	0	2	0	2	1	30	30	40	
10	PC	5CV255	Surveying Lab	0	0	2	0	2	1	30	30	40	
AICTE Mandatory Courses @													
11	MC	5IC201	Environment Science	2	0	0	0	2	0	20	20	60	
Value Added Professional Courses #													
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Value Added Life-Skill Courses #													
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Total				16	2	8	0	26	20				



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Notes:

For Lab courses: There shall be only internal continuous assessment (LA1, LA2, ESE). LA1 and LA2 together shall be Lab ISE. The ESE is a separate head of passing.

For Theory courses: There shall be two tests (T1 and T2) and one ESE. The ESE is a separate head of passing.

The Value Added Courses are Optional Courses. The mode of teaching (LTPI) is decided by the resource person.

The credits earned from these courses will be shown on grade card. For SGPA and CGPA calculation, these courses will be excluded.

The list of Value added courses will be updated from time to time. The courses may be on paid basis. These courses will be offered as per availability of faculty.

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

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



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Credit System for S.Y. B.Tech. (Civil Engineering) Sem-IV AY 2021-22

Sr.No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	T1/LA1	T2/LA2	ESE	
Professional Core (Theory)													
1	BS	5MA202	Applied Mathematics	2	0	0	0	2	2	20	20	60	
2	PC	5CV221	Hydraulics and Hydraulic Machinery	3	0	0	0	3	3	20	20	60	
3	PC	5CV222	Building Planning and Design	2	0	0	0	2	2	20	20	60	
4	PC	5CV223	Water Resources Engineering	2	1	0	0	3	3	20	20	60	
5	PC	5CV224	Structural Analysis	2	1	0	0	3	3	20	20	60	
6	PC	5CV225	Concrete Technology	2	0	0	0	2	2	20	20	60	
Professional Core (Lab)													
7	PC	5CV271	Hydraulics Lab	0	0	2	0	2	1	30	30	40	
8	PC	5CV272	Mini Project 1-Building Planning and Design	0	0	2	0	2	1	30	30	40	
9	PC	5CV274	Advanced Surveying Lab	0	0	2	0	2	1	30	30	40	
10	ES	5CV275	Material Testing Lab	0	0	2	0	2	1	30	30	40	
11	HS	5CV277	Presentation and Report Writing	0	0	0	1	1	1	30	30	40	
Value Added Professional Courses #													
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Value Added Life-Skill Courses #													
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Total				13	2	8	1	24	20				



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