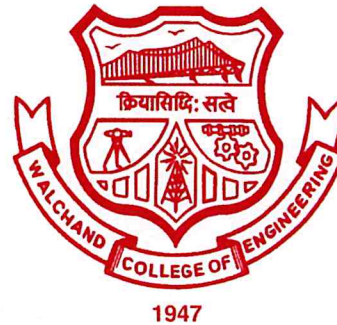


Walchand College of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli-416415



Credit System for F. Y. M. Tech. (Construction Management) Semester-I and II

Applicable from 2024-25



Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)

Credit System for F. Y. M. Tech. (Construction Management) Sem-I

Sr. No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Remark
Professional Core (Theory)													
1	PC	1IC501	Research Methodology and IPR	3	0	0	0	3	3	30	20	50	
2	PC	1CM501	Project Planning and Control	3	1	0	0	4	4	30	20	50	
3	PC	1CM502	Lean Construction	3	0	0	0	3	3	30	20	50	
4	PC	1CM503	Financial Management in Construction	3	0	0	0	3	3	30	20	50	
Professional Core (Lab)													
6	PC	1CM551	Construction Planning Studio	0	0	2	0	2	1	30	30	40	
7	PC	1CM552	Modeling and Simulation Laboratory	0	0	2	0	2	1	30	30	40	
Professional Elective (Theory)													
8	PE	Refer List	Professional Elective 1	3	0	0	0	3	3	30	20	50	
9	PE	Refer List	Professional Elective 2	3	0	0	0	3	3	30	20	50	
Total				18	1	4	0	23	21				

Instructions: Flexibility to have 2-3 Core and Elective Theory Courses each excluding Research Methodology and IPR but Total core and elective course count to be limited to 5.

Max. 3 lab courses per semester are allowed but flexibility to have core or elective lab is given.

There will not be OE/POE component for PG labs except dissertation.

Syllabus of laboratory courses shall be at higher level than the corresponding UG courses.

Batch size should be in between 9-12 for laboratory sessions as per strength of PG programme.

Research Methodology and IPR will be taken centrally by faculty finalized by Dean Academics Office.

(Delete these instructions after finalizing the structure)

Dr. A. K. Mali
Department Academic Coordinator

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

Dr. A. K. Kokane
Dean Academics



Walchand College of Engineering, Sangli

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Professional Elective Course List for F. Y. M. Tech. (Construction Management) Sem-I

Sr. No.	Course Code	Course Name
Professional Elective 1		
1	1CM511	Building Services and Maintenance Management
2	1CM512	Materials and Material Management
3	1CM513	Building Information Management
Professional Elective 2		
1	1CM514	Site Administration and Control
2	1CM515	Advanced Estimation & Quantity Surveying
3	1CM516	Advanced Concrete Technology

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.

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Credit System for F. Y. M. Tech. (Construction Management) Sem-II

Sr. No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Remark
Professional Core (Theory)													
1	PC	1CM521	Project Quality and Safety Management	3	0	0	0	3	3	30	20	50	
2	PC	1CM522	Project Procurement and Contracts Management	3	0	0	0	3	3	30	20	50	
3	PC	1CM523	Construction Technology and Equipment	3	0	0	0	3	3	30	20	50	
Professional Core (Lab)													
3	PC	1CM571	Project Management Studio	0	0	2	0	2	1	30	30	40	
4	PC	1CM572	Digital Applications in Project Management	0	0	2	0	2	1	30	30	40	
5	PC	1CM545	Seminar	0	0	2	0	2	1	30	30	40	
Professional Elective (Theory)													
6	PE	Refer List	Professional Elective 3	3	0	0	0	3	3	30	20	50	
7	PE	Refer List	Professional Elective 4	3	0	0	0	3	3	30	20	50	
Open Elective													
8	OE	Refer List	Open Elective	3	0	0	0	3	3	30	20	50	
Total				18	0	6	0	24	21				

Instructions: Flexibility to have 2-3 Core and Elective Theory Courses each excluding Open Elective but Total core and elective course count to be limited to 5.

Max. 3 lab courses in this semester are allowed including Seminar but flexibility to have core or elective lab is given.

There will not be OE/POE component for PG labs except dissertation.

(Delete these instructions after finalizing the structure)

Dr. A. K. Mali
Department Academic Coordinator

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

Dr. A. K. Kokane
J/C Dean Academics



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Professional Elective Course List for F. Y. M. Tech. (Construction Management) Sem-II

Sr. No.	Course Code	Course Name
Professional Elective 3- Infrastructure		
1	7CM531	Supply Chain and Procurement Management
2	7CM532	Infrastructure Development and Management
3	7CM533	Strategic Management in Construction
Professional Elective 4- Building		
1	7CM534	Sustainability in Construction Projects
2	7CM535	Life Cycle Assessment
3	7CM536	Human Resource Management

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