

M Tech Civil Engineering
(Specialization in Construction Engineering and Management)
(Regular, 2 Years, 4 Semesters, 68 Credits)

First Semester: Course Structure

Theory/ Practical	Sl no	Sub code	subject	Hours per week			Credit
				L	T	P	
Theory	1		Advanced Construction Materials and Equipment	3	0	0	3
	2		Rural & Urban Construction Technology	3	0	0	3
	3		Advanced Construction Project Management	3	0	0	3
Practical	4		Advanced Construction Technology lab	0	0	4	2
Programme Elective-I							
Theory	5		Program Elective -1	3	0	0	3
Open Elective							
Theory	6		Open Elective	3	0	0	3
Mandatory Learning Course							
Theory	7		Research Methodology and IPR	2	0	0	2
Audit Course-I							
Theory	8		Audit Course-1	2	0	0	0
Total				19	0	4	19

Program Elective-1

Sl no	Code	Subject
1		Formwork Design & Building Services Management
2		Green & Sustainable Construction Practices
3		Construction Accounting and Finance Management
4		Tendering and Contract Management
5		Any other subject offered from time to time with the approval

Second semester: Course Structure

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Theory	5		Program Elective -2	3	0	0	3
Program Elective-3							
Theory	6		Program Elective-3	3	0	0	3
Audit Course-2							
Theory	7		Audit Course-2	2	0	0	0
Total				17	0	4	17

Program Elective-2

Sl no	Code	Subject
1		Quality, Risk And Safety Management
2		Structural Health Monitoring and Rehabilitation of Structures
3		Site Organization and Human Resource Management
4		Real Estate Development
5		Any other subject offered from time to time with the approval

Program Elective-3

Sl no	Code	Subject
1		Ground Improvement Techniques
2		Pre-cast and Pre-stressed construction
3		Airport and Port Infrastructure
4		Pavement Management System
5		Any other subject offered from time to time with the approval

Third Semester: Course Structure

Theory/ Practical	Sl no	Sub code	Subject	Hours per week			Credit
				L	T	P	
Practical	1		Mini Project	0	0	8	4
	2		Dissertation Phase – I	0	0	24	12
Total				0	0	32	16

Fourth Semester: Course Structure

Theory/ Practical	Sl no	Sub code	Subject	Hours per week			Credit
				L	T	P	
Practical	1		Dissertation Phase – II	0	0	32	16
Total				0	0	32	16