

**Nirma University  
Institute of Technology  
Department of Civil Engineering**

**M Tech Programme in Civil Engineering (Construction Technology and Management)**

**Teaching and Examination Scheme  
Semester-II**

w. e. f. Academic Year 2025-26

Course Code	Course Name	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours)	Component Weightage		
						SEE	CE	LPW	SEE
6CL254CC25	Construction Equipment & Material Management	3	0	0	3	3	0.5	-	0.5
6CL262CC25	BIM & Lean Construction	1	0	2	2	-	-	1	-
6CL2XXME22	Elective I	3	0	0	3	3	0.5	-	0.5
6CL2XXME22	Elective II	3	0	0	3	3	0.5	-	0.5
6CL2XXME22	Elective III	2	0	2	3	3	0.25	0.25	0.5
6CL292CC22	Minor Project II	0	0	4	2	-	-	1	-
6CL253CC25	Computer Applications in Construction Project Management	0	0	4	2	-	-	1	-
6CL152CC22	Research Methodology and IPR	2	0	0	2	-	1	-	-
<b>Total</b>		<b>14</b>	<b>0</b>	<b>12</b>	<b>20</b>	-			
Supplementary Course*									
7CL181VA22	Summer Internship/Value Added Course*	-		-		-	-	1.0	-

\*To be completed during summer break between PG Semester II and III



### List of Elective Courses

Elective I & II (3-0-0-3)		Elective III (2-0-2-3)	
Course Code	Course Name	Course Code	Course Name
6CL225ME22	Safety, Health and Quality Management for Construction Projects	6CL263ME22	Formwork for Civil Engineering Structures
6CL224ME22	Real Estate Development and Management	6CL267ME22	Applications of Geo-Informatics in Construction
6CL226ME22	Human Resource Management & Organizational Behaviour	6CL265ME22	Building Systems and Services
6CL227ME22	Value Engineering	6CL269ME22	Advances in Geotechnical Engineering
6CL221ME22	Quantitative Techniques in Management	6CL268ME22	Functional Design of Buildings
6CL228ME22	Insurance & Risk Management for Construction Projects	6CL266ME22	Construction Maintenance and Rehabilitation
6CL222ME22	Infrastructure Project Development and Management	6CL264ME22	AI and ML in Construction Project Management
6CL229ME22	Sustainable Construction Technologies and Management	-	-
6CL223ME22	Building Automation and Smart City Planning	-	-
6CL231ME22	Business Strategies and Corporate Planning	-	-
6CL232ME22	Environmental Impact Assessment for Construction Projects	-	-
6CL230ME22	Advances in Construction Materials	-	-

