

SR UNIVERSITY

Department of Civil Engineering

R25 Course Structure-M. Tech Civil (Construction Technology and Management [CTM])

I SEM						
S.No.	Course Code	Course	Hours / Week			
			L	T	P/D	C
1	25CTM400PC501	Infrastructure Planning	4	0	0	4
2	25CTM302PC502	Advanced Construction Materials and Testing	3	0	2	4
3	25CTM310PC503	Construction Methods and Equipment Management	3	1	0	4
4	25CAI206CR501	AI Assisted Problem Solving Using Python	2	0	6	5
5	25BUS400RM501	Sustainability, Critical Thinking, Research Methodology and IPR	4	0	0	4
6	25HUM302CR502	Life Skills: Entrepreneurship, Language, Communication and Personality	3	0	2	4
Total			19	1	10	25
II SEM						
S.No.	Course Code	Course	Hours / Week			
			L	T	P/D	C
1	25CTM402PC504	Construction Project Management	4	0	2	5
2	25CTM402PC505	Building Information Modeling (BIM) For Sustainable Construction	4	0	2	5
3	25CTM310PC506	Lean Construction and Productivity Improvement	3	1	0	4
4	25CTM300PC507	Building Services	3	0	0	3
5	25CTM310PC508	Construction Finance Management	3	1	0	4
6	25HUM204CR503	Aptitude and Reasoning	2	0	4	4
Total			19	2	8	25
III SEM						
S.No.	Course Code	Course	Hours / Week			
			L	T	P/D	C
1	25CTM012PR601	Capstone Project	0	0	12	6
2		Program Elective-I	3	0	0	3
3		Program Elective- II	3	0	0	3
4		Open Elective	3	0	0	3
OR						
	25CTM030PR602	Industrial Project/R&D Project/Industry Internship/Start-up/Externship	0	0	30	15
Total			9	0	12	15

IV SEM						
S.No.	Course Code	Course	Hours / Week			
			L	T	P/D	C
1	25CTM030PR603	Major Project/Industrial Project/R&D Project/Industry Internship/Start-up/Externship	0	0	30	15
Total						15
Total Credits						80
Program Electives						
S.No.	Course Code	Program Electives	Hours / Week			
			L	T	P/D	C
1	25CTM300PE601	Human Resource Management For Construction	3	0	0	3
2	25CTM300PE602	Contracts, Claims and Dispute Management	3	0	0	3
3	25CTM300PE603	Occupational Hazards, Health and Safety Management	3	0	0	3
4	25CTM300PE604	Formwork Design and Practice	3	0	0	3
Open Electives						
S.No.	Course Code	Course	Hours / Week			
			L	T	P/D	C
1	25PEL300OE601	Energy Systems and Management	3	0	0	3
2	25PEL300OE602	Renewable Energy Technologies	3	0	0	3
3	25CAI300OE603	Cyber Laws	3	0	0	3
4	25CAI300OE604	Block Chain Technology	3	0	0	3
5	25AMS300OE605	Operations Research	3	0	0	3
6	25AMS300OE606	3D Printing	3	0	0	3
7	25ECE300OE607	Internet of Things and IIoT	3	0	0	3
8	25ECE300OE608	Computer vision	3	0	0	3
9	25CTM300OE609	Disaster Management	3	0	0	3
10	25CTM300OE610	Smart Cities	3	0	0	3