

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. CONSTRUCTION ENGINEERING & MANAGEMENT

PROPOSED TEACHING SCHEME

Semester I

SR. NO.	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Construction Management	3	2	0	4
2	Construction Techniques	3	2	0	4
3	Statistical and Numerical Analysis	3	2	0	4
4	Inter Disciplinary/Minor Elective 1	3	2	0	4
5	Major Elective 1	4	2	0	5
6	Communication & Research Skills	2	2	0	3
	TOTAL	18	12	0	24

Semester II

SR NO	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Advanced Civil Engineering Materials	3	2	0	4
2	Resources Management	4	2	0	5
3	Major Elective2	4	2	0	5
4	Major Elective 3	3	2	0	4
5	Inter disciplinary/Minor Elective 2	3	2	0	4
6	Principles of Management	3	0	0	3
	TOTAL	20	10	0	25

M.E. CONSTRUCTION ENGINEERING & MANAGEMENT

Interdisciplinary Elective - 1	Interdisciplinary Elective - 2
Disaster management	Strategic management
Energy management	Research Methodology

Sr. No.	Major Elective - 1	Major Elective - 2	Major Elective - 3
1	Construction Finance & Accounting	Construction Contract Management	Value Engineering
2	TQM in Construction	Project risk analysis and mitigation techniques	IT Solutions in construction management