

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. (Civil) Structural Engineering

PROPOSED TEACHING SCHEME

Semester I

SR. NO.	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Advanced Structural Analysis	4	0	0	4
2	Structural Dynamics	4	0	0	4
3	Theory Of Elasticity & Stability	4	0	0	4
4	Communication & Research Skills	2	2	0	3
5	Computer Lab for Analysis	0	0	4	2
6	Inter disciplinary Elective 1	3	2	0	4
7	Major Elective 1	3	2	0	4
	TOTAL	20	6	4	25

Semester II

SR NO	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Finite Element Method	4	0	0	4
2	Advanced Concrete Structures	4	0	0	4
3	Principles of Management	3	0	0	3
4	Computer Lab For Design Of Structures	0	0	2	1
5	Structural Design Project	0	2	0	1
6	Major Elective2	3	2	0	4
7	Major Elective 3	3	2	0	4
8	Inter disciplinary Elective 2	3	2	0	4
	TOTAL	20	8	2	25

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Interdisciplinary Elective - 1	Interdisciplinary Elective - 2
Basic Concepts Of Structural Behaviour	Concrete Technology

Sr. No.	Major Elective - 1	Major Elective - 2	Major Elective - 3
1	Numerical Methods	Advanced Foundation Engineering	Advanced Steel Structures
2	Prestressed Concrete	Rehabilitation of structures	Theory Of Plates and Shells