

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. Transportation System Engineering

PROPOSED TEACHING SCHEME

Semester I

SR. NO.	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Modeling, Analysis & Simulation	3	0	2	4
2	Traffic Engineering & Field Studies	4	0	2	5
3	Highway Materials & Testing	3	0	2	4
4	Inter disciplinary Elective 1	3	0	2	4
5	Major Elective 1	4	2	0	5
6	Communication & Research Skills	2	2	0	3
	TOTAL	19	4	8	25

Semester II

SR NO	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Traffic Flow Theory & Management	3	2	0	4
2	Transportation Planning	4	2	0	5
3	Major Elective2	4	2	0	5
4	Major Elective 3	3	2	0	4
5	Inter disciplinary Elective 2	3	2	0	4
6	Principles of Management	3	0	0	3
	TOTAL	20	10	0	25

M.E. Transportation System Engineering

Interdisciplinary Elective - 1	Interdisciplinary Elective - 2
Transportation and Environments	Road Safety
Applied Statistics	

Sr. No.	Major Elective - 1	Major Elective - 2	Major Elective - 3
1	Airport Planning and Design	Highway Construction & Management	GIS – GPS in Civil Engineering
2	Highway Geometric Design	Mass Transportation System	Pavement Design and Analysis
3	Pavement System Management		