

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. Mechanical Engineering (I.C.Engine & Automobile)

PROPOSED TEACHING SCHEME

Semester I

SR. NO.	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Advanced Thermodynamics and Heat Transfer	4	0	0	4
2	Fundamentals of I.C Engine and Automobile	4	0	2	5
3	Fluid Mechanics and Gas Dynamics	4	0	2	5
4	Inter Disciplinary Elective 1	3	2	0	4
5	Major Elective 1	3	2	0	4
6	Communication & Research Skills	2	2	0	3
	TOTAL	20	6	4	25

Semester II

SR NO	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Instrumentation & Vehicle Testing	4	0	2	5
2	Alternate Fuels & Energy	4	0	2	5
3	Major Elective 2	3	2	0	4
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	6	4	25

M.E. Mechanical Engineering (I.C.Engine & Automobile)

Interdisciplinary Elective - 1	Interdisciplinary Elective - 2
Modeling, Simulation & Computer Application	Energy Conservation & Management
Computer applications	

Sr. No.	Major Elective - 1	Major Elective - 2 & 3
1	Vehicle Dynamics	Modern Vehicle Design
2	Automobile Refrigeration & A/C	Automotive Chassis & Body Engineering
3	Combustion Engineering	High Speed Diesel Engine
4		Automobile Maintenance and Pollution Control