

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. Mechanical (Thermal Engineering)

PROPOSED TEACHING SCHEME

Semester I

SR. NO.	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Applied Thermodynamics & HeatTransfer	4	0	0	4
2	Advanced Refrigeration	4	0	2	5
3	Fluid Mechanics & Gas Dynamics	4	0	2	5
4	Major Elective I	3	2	0	4
5	Interdisciplinary Elective I	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	Design of Heat Exchange Equipments	3	0	2	4
2	Thermal Power Plant Engineering	4	0	2	5
3	Major Elective II	4	0	2	5
4	Major Elective III	3	0	2	4
5	Interdisciplinary Elective II	3	2	0	4
6	Principles of Management	3	0	0	3
	TOTAL	20	2	8	25

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

Sr. No.	Major Elective - 1	Major Elective - 2	Major Elective -3
1	Combustion Engineering	Advanced Air conditioning	Computational Fluid Dynamics
2	Cryogenic Heat Exchangers		