

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. Mechanical (CAD/CAM)

PROPOSED TEACHING SCHEME

Semester I

SR. NO.	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Advanced Machine Design	4	0	0	4
2	Computer Aided Machine Design	4	0	0	4
3	Computer Aided Production Management	4	0	0	4
4	Major Elective 1	3	0	0	3
5	Interdisciplinary Elective 1	3	0	2	4
6	Communication & Research Skills	2	2	0	3
7	CAD & Solid Modeling Lab	0	0	4	2
8	CAPM & Programming Lab	0	0	2	1
TOTAL		20	2	8	25

Semester II

SR NO	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Finite Element Method	4	2	0	5
2	Computer Aided Manufacturing	4	0	0	4
3	Major Elective 2	3	0	0	3
4	Major Elective 3	3	0	0	3
5	Interdisciplinary Elective 2	3	0	2	4
6	Principles of Management	3	0	0	3
7	FEM & Software Lab	0	0	4	2
8	CAM & Software Lab	0	0	2	1
TOTAL		20	2	8	25

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Interdisciplinary Elective - 1	Interdisciplinary Elective - 2
Mechanical Engineering for Mechatronics	Modern Machining Methods

Sr. No.	Major Elective - 1	Major Elective - 2	Major Elective - 3
1	Advanced Materials and Processes	Robotic Engineering	Automation in Production and Hydraulic control
2	Material Science and Materials	Experimental Modal Analysis and Dynamic Design	Manufacturing Processes and Analysis
3		Machine Tool Design	Product Design and Development
4		Vibration Engineering	