

Department of Mechanical Engineering

M.TECH IN MECHANICAL ENGINEERING						
FIRST SEMESTER						
SI No.	Course Code	Course Title	Scheme of Studies Per Week			Credit
			L	T	P	
1	MMET 100	Numerical Methods and Computer Programming	3	1	2	4
2	MMET 101	Simulation modeling and Analysis	3	1	0	4
3	MMET 102	Applied Operations Research	3	1	0	4
4	MMET 103	Advanced Thermal Engineering	3	4	0	4
Total Credit						16
SECOND SEMESTER						
5	MMET 201	Optimization for Engineering Design	3	1	0	4
6	MMET 202	Advance Mechanics of Solids	3	1	0	4
7	MMET 203	Production Technology	3	1	0	4
8	MMET 21X	Elective I	3	1	0	4
9	MMES 201	Seminar	0	0	4	4
Total Credit						20
THIRD SEMESTER						
10	MMET 32X	Elective 2	3	1	0	4
11	MMET 33X	Elective 3	3	1	0	4
12	MMEP 301	Project	0	0	8	8
13	MMED 301	Dissertation #	0	0	8	8
Total Credits						24
FOURTH SEMESTER						
14	MMED 401	Dissertation	0	0	24	24
Total Credits						24
<p>Note *15 Marks are for class tests and 15 Marks are for Labs if any. Otherwise 30 marks are for class tests # Dissertation to be continued in IV Semester</p>						

Elective I

SNo	Course No	Subject Name
1	MMET 211	Product Design and Development
2	MMET 212	Manufacturing System Analysis
3	MMET 213	Computational Fluid Dynamics & Heat Transfer
4	MMET 214	Internal Combustion Engines

Program Elective II

SNo	Course No	Subject Name
1	MMET 321	Theory of Elasticity and Plasticity
2	MMET 322	Advanced Welding Technology
3	MMET 323	CNC, FMS & CIM
	MMET 324	Renewable Energy System

Program Elective III

SNo	Course No	Subject Name
1	MMET 331	Total Quality Management
2	MMET 332	Industrial Design and Ergonomics
3	MMET 333	Management Information Systems
	MMET 334	Environmental Pollution & Its Control