

ANNA UNIVERSITY TIRUCHIRAPPALLI**Tiruchirappalli – 620 024****Regulations 2007****Curriculum****B.E. Mechanical Engineering****SEMESTER III**

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	MA1201	Mathematics III	3	1	0	100
2	ME1201	Manufacturing Technology I	3	0	0	100
3	ME1202	Engineering Thermodynamics	3	1	0	100
4	CE1207	Fluid Mechanics and Machinery	3	1	0	100
5	EE1210	Electrical Drives and Controls	3	0	0	100
6	ME1203	Engineering Materials and Metallurgy	3	0	0	100
Practical						
7	ME1204	Manufacturing Technology Laboratory	0	0	3	100
8	CE1208	Fluid Mechanics and Machinery Laboratory	0	0	3	100
9	EE1211	Electrical Engineering Laboratory	0	0	3	100

SEMESTER IV

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	MA1251	Numerical Methods	3	1	0	100
2	ME1251	Thermal Engineering	3	1	0	100
3	CE1258	Strength of Materials	3	1	0	100
4	ME1252	Kinematics of Machinery	3	1	0	100
5	ME1253	Manufacturing Technology II	3	0	0	100
6	EC1260	Electronics and Microprocessors	3	0	0	100
Practical						
7	ME1254	Thermal Engineering Laboratory	0	0	3	100
8	CE1259	Strength of Materials Laboratory	0	0	3	100
9	EC1261	Electronics and Microprocessors Laboratory	0	0	3	100

SEMESTER V

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	HS1201	Environmental Science and Engineering	3	0	0	100
2	ME1301	Dynamics of Machinery	3	1	0	100
3	ME1302	Design of Machine Elements	3	1	0	100
4	ME1303	Gas Dynamics and Jet Propulsion	3	1	0	100
5	ME1304	Engineering Metrology and Measurements	3	0	0	100
6	CE1310	Applied Hydraulics and Pneumatics	3	0	0	100
Practical						
7	ME1305	Dynamics Laboratory	0	0	3	100
8	ME1306	Metrology and Measurements Laboratory	0	0	3	100
9	ME1258	Computer Aided Machine Drawing Practice	0	0	3	100

SEMESTER VI

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	MG1351	Principles of Management	3	0	0	100
2	ME1351	Heat and Mass Transfer	3	1	0	100
3	ME1352	Design of Transmission Systems	3	2	0	100
4	AT1361	Automobile Engineering	3	0	0	100
5	ME1353	Power Plant Engineering	3	0	0	100
6	E1****	Elective I	3	0	0	100
Practical						
7	ME1354	Thermal Engineering Laboratory II	0	0	3	100
8	ME1355	CAD / CAM Laboratory	0	0	3	100
9	ME1356	Design and Fabrication Project	0	0	4	100

ELECTIVE I

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	ME1001 / PR1001	Unconventional Machining Processes	3	0	0	100
2	MG1001	Marketing Management	3	0	0	100
3	ME1003	Refrigeration and Air-conditioning	3	0	0	100
4	ME1004	Vibration and Noise Control	3	0	0	100
5	ME1005	Renewable Sources of Energy	3	0	0	100
6	ME1006	Quality Control and Reliability Engineering	3	0	0	100

SEMESTER VII

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Total Quality Management	3	0	0	100
2		Finite Element Analysis	3	1	0	100
3		Mechatronics	3	0	0	100
4		Computer Integrated Manufacturing	3	0	0	100
5	E2***	Elective II	3	0	0	100
6	E3***	Elective III	3	0	0	100
Practical						
7		Computer Aided Simulation and Analysis Laboratory	0	0	3	100
8		Mechatronics Laboratory	0	0	3	100
9	HS1301	Communication and Soft Skills Laboratory	1	0	3	100

SEMESTER VIII

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Engineering Economics and Cost Analysis	3	0	0	100
2	E4***	Elective IV	3	0	0	100
3	E5***	Elective V	3	0	0	100
Practical						
4		Project Work	0	0	6	200

ELECTIVES FOR VII SEMESTER

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Process Planning and Cost Estimation	3	0	0	100
2		Robotics	3	0	0	100
3		Design of Jigs, Fixtures and Press Tools	3	0	0	100
4		Nuclear Engineering	3	0	0	100
5		Computational Fluid Dynamics	3	0	0	100
6		Modern concepts of Engineering Design	3	0	0	100
7		Thermal Turbomachines	3	0	0	100
8		Composite Materials	3	0	0	100

ELECTIVES FOR VIII SEMESTER

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Production Planning and Control	3	0	0	100
2		Advanced Strength of Materials	3	0	0	100
3		Product Design and Costing	3	0	0	100
4		Operations Research	3	0	0	100
5		Maintenance Engineering	3	0	0	100
6		Entrepreneurship Development	3	0	0	100
7		Professional Ethics and Human Values	3	0	0	100