

ANNA UNIVERSITY TIRUCHIRAPPALLI**Tiruchirappalli – 620 024****Regulations 2008****Curriculum****B.E. MECHANICAL ENGINEERING****SEMESTER III**

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1	MA1201	Transforms and Partial Differential Equations	3	1	0	4
2	PR1204	Manufacturing Technology I	3	0	0	3
3	ME1201	Engineering Thermodynamics	3	1	0	4
4	ME1202	Kinematics of Machinery	3	1	0	4
5	CE1208	Fluid Mechanics and Machinery	3	1	0	4
6	EE1205	Electrical Drives and Control	3	0	0	3
Practical						
7	PR1205	Manufacturing Technology Laboratory I	0	0	3	2
8	CE1211	Fluid Mechanics and Machinery Laboratory	0	0	3	2
9	EE1206	Electrical Engineering Laboratory	0	0	3	2
Total						28

SEMESTER IV

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1	MA1254	Statistics and Numerical Methods	3	1	0	4
2	ME1251	Heat and Mass Transfer	3	1	0	4
3	ME1252	Manufacturing Technology II	3	0	0	3
4	ME1253	Engineering Materials and Metallurgy	3	0	0	3
5	CE1259	Strength of Materials	3	1	0	4
6	EC1265	Electronics and Microprocessors	3	0	0	3
Practical						
7	ME1254	Manufacturing Technology Laboratory II	0	0	3	2
8	CE1260	Strength of Materials Laboratory	0	0	3	2
9	ME1259	Computer Aided Machine Drawing Laboratory	0	0	4	2
Total						27

SEMESTER V

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Environmental Science and Engineering	3	0	0	3
2		Dynamics of Machinery	3	1	0	4
3		Design of Machine Elements	3	1	0	4
4		Gas Dynamics and Jet Propulsion	3	1	0	4
5		Engineering Metrology and Measurements	3	0	0	3
6		Applied Hydraulics and Pneumatics	3	0	0	3
Practical						
7		Dynamics Laboratory	0	0	3	2
8		Metrology and Measurements Laboratory	0	0	3	2
9		Thermal Engineering Laboratory I	0	0	3	2
Total						27

SEMESTER VI

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Principles of Management	3	0	0	3
2		Thermal Engineering	3	1	0	4
3		Design of Transmission Systems	3	2	0	4
4		Automobile Engineering	3	0	0	3
5		Power Plant Engineering	3	0	0	3
6		Elective I	3	0	0	3
Practical						
7		Thermal Engineering Laboratory II	0	0	3	2
8		CAD / CAM Laboratory	0	0	3	2
9		Design and Fabrication Project	0	0	4	2
Total						26

SEMESTER VII

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Total Quality Management	3	0	0	3
2		Finite Element Analysis	3	1	0	4
3		Mechatronics	3	1	0	4
4		Computer Integrated Manufacturing	3	1	0	4
5		Elective II	3	0	0	3
6		Elective III	3	0	0	3
Practical						
7		Computer Aided Simulation and Analysis Laboratory	0	0	3	2
8		Mechatronics Laboratory	0	0	3	2
9		Communication and Soft Skills Laboratory	0	0	3	2
Total						27

SEMESTER VIII

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Engineering Economics and Cost Analysis	3	0	0	3
2		Elective IV	3	0	0	3
3		Elective V	3	0	0	3
Practical						
7		Project Work	0	0	6	6
Total						15

ELECTIVES FOR SEMESTER VI

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Unconventional Machining Processes	3	0	0	3
2		Marketing Management	3	0	0	3
3		Refrigeration and Air-conditioning	3	0	0	3
4		Vibration and Noise Control	3	0	0	3
5		Renewable Sources of Energy	3	0	0	3
6		Numerical Methods	3	0	0	3
7		Quality Control and Reliability Engineering	3	0	0	3

ELECTIVES FOR SEMESTER VII

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

ELECTIVES FOR SEMESTER VIII

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