

ANNA UNIVERSITY TIRUCHIRAPPALLI**Tiruchirappalli – 620 024****Regulations 2008****Curriculum****B.E. AERONAUTICAL 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	ME1204	Mechanics of Machines	3	1	0	4
3	AE1201	Aero Engineering Thermodynamics	3	1	0	4
4	CE1208	Fluid Mechanics and Machinery	3	1	0	4
5	CE1209	Solid Mechanics	3	1	0	4
6	AE1202	Elements of Aeronautics	3	0	0	3
Practical						
7	CE1210	Strength of Materials Laboratory	0	0	3	2
8	CE1211	Fluid Mechanics and Machinery Laboratory	0	0	3	2
9	ME1205	Thermodynamics Laboratory	0	0	3	2
Total						29

SEMESTER IV

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1	MA1251	Numerical Methods	3	1	0	4
2	AE1251	Aerodynamics I	3	0	0	3
3	AE1252	Aircraft Systems and Instruments	3	0	0	3
4	PR1206	Production Technology	3	0	0	3
5	AE1253	Aircraft Structures I	3	1	0	4
6	AE1254	Propulsion I	3	0	0	3
Practical						
7	AE1255	Aircraft Structures Laboratory I	0	0	3	2
8	AE1256	Aerodynamics Laboratory	0	0	3	2
9	AE1257	Aircraft Component Drawing	0	0	4	2
10	ME1256	Manufacturing Technology Laboratory	0	0	3	2
Total						28

SEMESTER V

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Environmental Science and Engineering	3	0	0	3
2		Flight Dynamics	4	0	0	4
3		Aircraft Structures II	3	1	0	4
4		Aerodynamics II	3	0	0	3
5		Control Engineering	3	0	0	3
6		Microprocessor and Applications	3	0	0	3
Practical						
7		Aircraft Structures Laboratory II	0	0	3	2
8		Aircraft Structures Repair Laboratory	0	0	3	2
9		CAD/CAM Laboratory	0	0	3	2
Total						26

SEMESTER VI

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Principles of Management	3	0	0	3
2		Propulsion II	3	0	0	3
3		Heat Transfer	3	1	0	4
4		Experimental Stress Analysis	3	1	0	4
5		High Temperature Materials	3	0	0	3
6		Elective I	3	0	0	3
Practical						
7		Aircraft Design Project I	0	0	3	2
8		Propulsion Laboratory	0	0	3	2
9		Aero Engine Repair and Maintenance Laboratory	0	0	3	2
Total						26

SEMESTER VII

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Total Quality Management	3	0	0	3
2		Avionics	3	1	0	4
3		Composite Materials and Structures	3	0	0	3
4		Computer Integrated Manufacturing	3	0	0	3
5		Elective II	3	0	0	3
6		Elective III	3	0	0	3
Practical						
7		Aircraft Design Project II	0	0	3	2
8		Aircraft Systems Laboratory	0	0	3	2
9		Avionics Laboratory	0	0	3	2
10		Communication and Soft Skills Laboratory	0	0	3	2
Total						27

SEMESTER VIII

S.No.	Subject Code	Subject	L	T	P	C
Theory						
1		Rocket and Missiles	3	0	0	3
2		Elective IV	3	0	0	3
3		Elective V	3	0	0	3
Practical						
4		Project Work	0	0	6	6
Total						15

LIST OF ELECTIVES

ELECTIVES FOR VI SEMESTER

S.No.	Subject Code	Subject	L	T	P	C
1		Theory of Elasticity	3	0	0	3
2		Space Mechanics	3	0	0	3
3		Aircraft General Engineering and Maintenance Practices	3	0	0	3
4		Aircraft Rules and Regulation	3	0	0	3
5		Wind Tunnel Techniques	3	0	0	3

ELECTIVES FOR VII SEMESTER

S.No.	Subject Code	Subject	L	T	P	C
1		Vibration and Aero elasticity	3	0	0	3
2		Finite Element Method	3	0	0	3
3		Airframe Maintenance and Repair	3	0	0	3
4		Aero Engine Maintenance and Repair	3	0	0	3
5		Theory of Plates and Shells	3	0	0	3

ELECTIVES FOR VIII SEMESTER

S.No.	Subject Code	Subject	L	T	P	C
1		Computational Fluid Dynamics	3	0	0	3
2		Fatigue and Fracture	3	0	0	3
3		Air transportation and Aircraft Maintenance	3	0	0	3
4		Helicopter Maintenance	3	0	0	3
5		Air Traffic Control and Aerodrome Design	3	0	0	3
6		Entrepreneurship Development	3	0	0	3
7		Professional Ethics and Human Values	3	0	0	3