

ANNA UNIVERSITY TIRUCHIRAPPALLI
Tiruchirappalli – 620 024
Regulations 2007
Curriculum

B.E. AERONAUTICAL ENGINEERING
SEMESTER III

S.No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	MA1201	Mathematics III	3	1	0	100
2	PR1201	Production Technology	3	0	0	100
3	AE1201	Aero Engineering Thermodynamics	3	1	0	100
4	CE1207	Fluid Mechanics and Machinery	3	1	0	100
5	CE1209	Solid Mechanics	3	1	0	100
6	AE1202	Elements of Aeronautics	3	0	0	100
Practical						
7	AE1203	Thermodynamics Laboratory	0	0	3	100
8	CE1208	Fluid Mechanics and Machinery Laboratory	0	0	3	100
9	CE1213	Strength of Materials 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	AE1251	Aerodynamics I	3	0	0	100
3	AE1252	Aircraft Systems and Instrumentations	3	0	0	100
4	ME1255	Mechanics of Machines	3	1	0	100
5	AE1253	Aircraft Structures I	3	1	0	100
6	EE1262	Control Engineering	3	0	0	100
Practical						
7	AE1254	Aerodynamics Laboratory	0	0	3	100
8	AE1255	Aircraft Structures Laboratory I	0	0	3	100
9	AE1256	Design and Drafting	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	AE1301	Flight Dynamics	3	0	0	100
3	AE1302	Aircraft Structures II	3	1	0	100
4	AE1303	Aerodynamics II	3	0	0	100
5	AE1304	Propulsion I	3	0	0	100
6	EC1311	Microprocessor and Applications	3	0	0	100
Practical						
7	AE1305	Aircraft Structures Laboratory II	0	0	3	100
8	AE1306	Aircraft Structures Repair Laboratory	0	0	3	100
9	ME1307	CAD/CAM Laboratory	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	AE1351	Propulsion II	3	0	0	100
3	ME1361	Heat Transfer	3	0	0	100
4	AE1352	Experimental Stress Analysis	3	0	0	100
5	AE1353	High Temperature Materials	3	0	0	100
6	E1****	Elective I	3	0	0	100
Practical						
7	AE1354	Aircraft Design Project I	0	0	3	100
8	AE1355	Propulsion Laboratory	0	0	3	100
9	AE1356	Aero Engine Repair and Maintenance Laboratory	0	0	3	100

ELECTIVE I

S. No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	AE1001	Theory of Elasticity	3	0	0	100
2	AE1002	Space Mechanics	3	0	0	100
3	AE1003	Aircraft General Engineering and Maintenance Practices	3	0	0	100
4	AE1004	Aircraft Rules and Regulations	3	0	0	100
5	AE1005	Wind Tunnel Techniques	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		Avionics	3	0	0	100
3		Composite Materials and Structures	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		Aircraft Design Project II	0	0	3	100
8		Aircraft Systems Laboratory	0	0	3	100
9		Avionics Laboratory	0	0	3	100
10	HS1301	Communication and Soft Skills Laboratory	1	0	3	100

SEMESTER VIII

S. No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Rockets and Missiles	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		Vibration and Aeroelasticity	3	0	0	100
2		Finite Element Method	3	0	0	100
3		Airframe Maintenance and Repair	3	0	0	100
4		Aeroengine Maintenance and Repair	3	0	0	100
5		Theory of Plates and Shells	3	0	0	100

ELECTIVES FOR VIII SEMESTER

S. No.	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Computational Fluid Dynamics	3	0	0	100
2		Fatigue and Fracture	3	0	0	100
3		Air transportation and Aircraft Maintenance	3	0	0	100
4		Helicopter Maintenance	3	0	0	100
5		Air Traffic Control and Aerodrome Design	3	0	0	100
6		Entrepreneurship Development	3	0	0	100
7		Professional Ethics and Human Values	3	0	0	100