



SEMESTER I

SL. NO	COURSE CODE	COURSE TITLE
THEORY		
1.	HS8151	Communicative English
2.	MA8151	Engineering Mathematics - I
3.	PH8151	Engineering Physics
4.	CY8151	Engineering Chemistry
5.	GE8151	Problem Solving and Python Programming
6.	GE8152	Engineering Graphics
PRACTICALS		
7.	GE8161	Problem Solving and Python Programming Laboratory
8.	BS8161	Physics and Chemistry Laboratory

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE
THEORY		
1.	HS8251	Technical English
2.	MA8251	Engineering Mathematics - II
3.	PH8251	Materials Science
4.	BE8253	Basic Electrical, Electronics and Instrumentation Engineering
5.	GE8291	Environmental Science and Engineering
6.	GE8292	Engineering Mechanics
PRACTICALS		
7.	GE8261	Engineering Practices Laboratory
8.	BE8261	Basic Electrical, Electronics and Instrumentation Engineering Laboratory

SEMESTER III

SL. NO.	COURSE CODE	COURSE TITLE
THEORY		
1.	MA8353	Transforms and Partial Differential Equations
2.	ME8392	Manufacturing Technology
3.	AE8301	Aero Engineering Thermodynamics
4.	CE8394	Fluid Mechanics and Machinery
5.	CE8395	Strength of Materials for Mechanical Engineers
6.	AE8302	Elements of Aeronautical Engineering
PRACTICAL		
7.	CE8381	Strength of Materials and Fluid Mechanics & Machinery Laboratory
8.	AE8311	Thermodynamics Laboratory
9.	HS8381	Interpersonal Skills/Listening & Speaking

SEMESTER IV

SL. NO.	COURSE CODE	COURSE TITLE
THEORY		
1.	MA8491	Numerical Methods
2.	AE8401	Aerodynamics - I
3.	AE8402	Aircraft Systems and Instruments
4.	PR8451	Mechanics of Machines
5.	AE8403	Aircraft Structures - I
6.	AE8404	Propulsion - I
PRACTICAL		
7.	ME8381	Computer Aided Machine Drawing
8.	AE8411	Aerodynamics Laboratory

SEMESTER V

SL. NO.	COURSE CODE	COURSE TITLE
THEORY		
1.	AE8501	Flight Dynamics
2.	AE8502	Aircraft Structures - II
3.	AE8503	Aerodynamics - II
4.	AE8504	Propulsion - II
5.	AE8505	Control Engineering
6.		Open Elective - I
PRACTICAL		
7.	AE8511	Aircraft Structures Laboratory
8.	AE8512	Propulsion Laboratory
9.	HS8581	Professional Communication

SEMESTER VI

SL. NO.	COURSE CODE	COURSE TITLE
THEORY		
1.	AE8601	Finite Element Methods
2.	AE8602	Experimental Aerodynamics
3.	AE8603	Composite Materials and Structures
4.	AE8604	Aircraft Design
5.	AE8605	Experimental Stress Analysis
6.		Professional Elective – I
PRACTICAL		
7.	AE8611	Aero Engine and Airframe Laboratory
8.	AE8612	Computer Aided Simulation Laboratory
9.	AE8613	Aircraft Design Project - I

SEMESTER VII

SL. NO.	COURSE CODE	COURSE TITLE
THEORY		
1.	GE8077	Total Quality Management
2.	AE8751	Avionics
3.	ME8093	Computational Fluid Dynamics
4.		Open Elective - II
5.		Professional Elective – II
6.		Professional Elective – III
PRACTICAL		
7.	AE8711	Aircraft Systems Laboratory
8.	AE8712	Flight Integration Systems and Control Laboratory
9.	AE8713	Aircraft Design Project - II

SEMESTER VIII

SL. NO.	COURSE CODE	COURSE TITLE
THEORY		
1.		Professional Elective – IV
2.		Professional Elective – V
PRACTICAL		
3.	AE8811	Project Work