



Semester - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03605101	Environmental Science	0.00	2	-	-	20	-	20	-	-	16	-	40
03606102	Introduction to IT Systems Lab	2.00	-	4	-	-	100	-	-	-	-	40	100
03609101	Engineering Graphics	1.00	1	-	-	20	-	20	60	-	40	-	100
03609102	Engineering Graphics Lab	2.00	-	4	-	-	100	-	-	-	-	40	100
03609154	Engineering Workshop Practice	2.00	-	4	-	-	100	-	-	-	-	40	100
03691101	Mathematics - I	3.00	2	-	1	20	-	20	60	-	40	-	100
03692103	Applied Physics	3.00	3	-	-	20	-	20	60	-	40	-	100
03692104	Applied Physics Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03693103	Communication Skills - I	1.00	1	-	-	-	-	100	-	-	40	-	100
	Total	15.00	9	14	1								790

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40



Semester - 2

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03605151	Engineering Mechanics	3.00	3	-	-	20	-	20	60	-	40	-	100
03605152	Engineering Mechanics Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607151	Fundamentals of Electrical and Electronics Engineering	3.00	2	-	1	20	-	20	60	-	40	-	100
03607152	Fundamentals of Electrical and Electronics Engineering Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03609151	Fundamentals of Mechanical Engineering	3.00	2	-	1	20	-	20	60	-	40	-	100
03609203	Material Science	3.00	3	-	-	20	-	20	60	-	40	-	100
03609204	Material Science Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03691151	Mathematics-II	4.00	3	-	1	20	-	20	60	-	40	-	100
03693153	Communication Skills - II	1.00	1	-	-	-	-	100	-	-	40	-	100
Total		20.00	14	6	3								750

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40



Semester - 3

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03600201	Entrepreneurship and Start-ups	1.00	1	-	-	20	-	20	60	-	40	-	100
03613201	Introduction to Aeronautics	3.00	3	-	-	20	-	20	60	-	40	-	100
03613202	Aeromodeling Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03613203	Mechanisms for Machines and Aircrafts	3.00	3	-	-	20	-	20	60	-	40	-	100
03613204	Mechanisms for Machines and Aircrafts Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03613205	Aircraft Materials and Manufacturing	3.00	3	-	-	20	-	20	60	-	40	-	100
03613206	Aircraft Materials and Manufacturing Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03613207	Basic Engineering Thermodynamics	3.00	3	-	-	20	-	20	60	-	40	-	100
03613209	Aircraft Instruments	3.00	3	-	-	20	-	20	60	-	40	-	100
03693203	Professional Communication and Critical Thinking	1.00	1	-	-	-	-	100	-	-	40	-	100
	Total	20.00	17	6									850

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40



Semester - 4

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03600251	Essence of Indian Knowledge and Tradition	0.00	2	-	-	20	-	20	-	-	16	-	40
03613251	Mechanics and Strength of Materials	3.00	3	-	-	20	-	20	60	-	40	-	100
03613252	Mechanics and Strength of Materials Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03613253	Computer Aided Modeling and Design-I	2.00	2	-	-	20	-	20	60	-	40	-	100
03613254	Computer Aided Modeling and Design-I Lab	2.00	-	4	-	-	100	-	-	-	-	40	100
03613255	Fundamentals of Fluid Mechanics	3.00	3	-	-	20	-	20	60	-	40	-	100
03613256	Fundamentals of Fluid Mechanics Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03613257	Aircraft Systems	3.00	3	-	-	20	-	20	60	-	40	-	100
03613259	Basic Avionics	3.00	3	-	-	20	-	20	60	-	40	-	100
03613262	Minor Project	1.00	-	2	-	-	50	-	-	-	-	20	50
03693251	Employability Skills	1.00	1	-	-	-	-	100	-	-	40	-	100
	Total	20.00	17	10									890

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40



Semester - 5 Open Elective-I

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03609339	Robotics and Automation Technology	3.00	3	-	-	20	-	20	60	-	40	-	100
03609341	Metrology and Instrumentation	3.00	3	-	-	20	-	20	60	-	40	-	100

Semester - 5

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03613301	Aerodynamics	3.00	3	-	-	20	-	20	60	-	40	-	100
03613302	Aerodynamics Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03613303	Aircraft Structures	4.00	4	-	-	20	-	20	60	-	40	-	100
03613304	Aircraft Structures Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03613305	Aerospace Propulsion	3.00	3	-	-	20	-	20	60	-	40	-	100
03613306	Aerospace Propulsion Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03613312	Summer Internship	2.00	-	-	-	-	100	-	-	-	-	40	100
03613314	Major Project-I	6.00	-	12	-	-	60	-	-	40	-	40	100
	Open Elective-I (Compulsory Subjects :1)	3.00	3	-	-	40	-	-	60	-	-	-	100
	Program Elective - I (Compulsory Subjects :1)	3.00	3	-	-	40	-	-	60	-	-	-	100
	Total	27.00	16	18									850



Semester - 5 Program Elective - I

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03613331	Principles of Helicopter Engineering	3.00	3	-	-	20	-	20	60	-	40	-	100
03613333	Airport Operations and Management	3.00	3	-	-	20	-	20	60	-	40	-	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40



Semester - 6

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03600351	Indian Constitution	0.00	2	-	-	20	-	20	-	-	16	-	40
03613351	Introduction to Flight Mechanics	4.00	3	-	1	20	-	20	60	-	40	-	100
03613353	Aircraft Maintenance	4.00	4	-	-	20	-	20	60	-	40	-	100
03613354	Aircraft Maintenance Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03613355	Computer Aided Modelling and Design- II	2.00	2	-	-	20	-	20	60	-	40	-	100
03613356	Computer Aided Modelling and Design-II Lab	2.00	-	4	-	-	60	-	-	40	-	40	100
03613362	Major Project-II	6.00	-	12	-	-	60	-	-	40	-	40	100
	Open Elective-II (Compulsory Subjects :1)	3.00	3	-	-	40	-	-	60	-	-	-	100
	Program Elective - II (Compulsory Subjects :1)	3.00	3	-	-	40	-	-	60	-	-	-	100
	Total	25.00	17	18	1								790

Semester - 6 Open Elective-II

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03609381	Principles of Heat Transfer	3.00	3	-	-	20	-	20	60	-	40	-	100
03609383	Industrial Engineering	3.00	3	-	-	20	-	20	60	-	40	-	100



Semester - 6 Program Elective - II

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03613381	Rockets and Missiles Technology	3.00	3	-	-	20	-	20	60	-	40	-	100
03613383	Lighter than Air Systems	3.00	3	-	-	20	-	20	60	-	40	-	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40