SCHEME OF
UNDERGRADUATE DEGREE COURSE

Aeronautical Engineering

Effective for the students admitted in year 2021-22 and onwards.

B.Tech. : Aeronautical Engineering

2nd Year - III Semester

f THEORY										
SN	Category	Course Code	Course Title	Hours			Marks			Credit
				L	T	P	IA	ETE	Total	
1	DC	3AR4-01	Aero Engineering Thermodynamics	3	1	0	30	70	**100**	**4**
2		3AR4-02	Aerospace Materials	2	0	0	30	70	**100**	**2**
3		3AR4-03	Elements of Aeronautics	3	0	0	30	70	**100**	**3**
4		3AR4-04	Fluid Mechanics and Turbo Machines	3	1	0	30	70	**100**	**4**
5		3AR4-05	Manufacturing Processes	3	0	0	30	70	**100**	**3**
6	UC	3AR2-01	Engineering Mechanics	3	0	0	30	70	**100**	**3**
			Sub Total	**17**	**2**	**0**	**180**	**420**	**600**	**19**
PRACTICAL & SESSIONAL										
7	DC	3AR4-20	Machine Drawing Practice	0	0	2	60	40	**100**	**1**
8		3AR4-21	Production Practice Lab	0	0	2	60	40	**100**	**1**
9		3AR4-22	Fluid Mechanics and Turbo Machines Lab	0	0	2	60	40	**100**	**1**
10		3AR4-23	Thermodynamics Laboratory	0	0	2	60	40	**100**	**1**
11	UI	3AR7-30	Professional Training	0	0	2*	60	40	**100**	**1**
12	CCA	3AR8-00	SODECA/NCC/NSS/ ANANDAM/IPR	-	-	-	-	100	**100**	**1**
			Sub- Total	**0**	**0**	**10**	**300**	**300**	**600**	**6**
			TOTAL OF III SEMESTER	**17**	**2**	**10**	**480**	**720**	**1200**	**25**

L = Lecture, **T** = Tutorial, P = Practical, IA=Internal Assessment, ETE=End Term Exam, **Cr**=Credits

***for calculation of contact hours**

B.Tech. : Aeronautical Engineering
2nd Year - IV Semester

THEORY										
SN	Category	Course Code	Course Title	Hours			Marks			Credit
				L	T	P	IA	ETE	Total	
1	DC	4AR4-01	Heat Transfer	3	1	0	30	70	**100**	**4**
2		4AR4-02	Mechanics of Solids	3	1	0	30	70	**100**	**4**
3		4AR4-03	Aircraft Propulsion	3	0	0	30	70	**100**	**3**
4		4AR4-04	Aerodynamics-I	3	0	0	30	70	**100**	**3**
5		4AR4-05	Fuels and Combustion	3	0	0	30	70	**100**	**3**
6	UC	4AR2-01	Advanced Engineering Mathematics	3	0	0	30	70	**100**	**3**
			Sub Total	**18**	**2**	**0**	**180**	**420**	**600**	**20**
PRACTICAL & SESSIONAL										
7	DC	4AR4-20	Aircraft Propulsion Lab	0	0	2	60	40	**100**	**1**
8		4AR4-21	Materials Testing Lab	0	0	2	60	40	**100**	**1**
9		4AR4-22	Heat Transfer Lab	0	0	2	60	40	**100**	**1**
10		4AR4-23	MATLAB Programming	0	0	2	60	40	**100**	**1**
11	CCA	4AR8-00	SODECA/NCC/NSS/ ANANDAM/IPR	-	-	-	-	100	**100**	**1**
			Sub- Total	**0**	**0**	**8**	**240**	**260**	**500**	**5**
			TOTAL OF IV SEMESTER	**18**	**2**	**8**	**420**	**680**	**1100**	**25**

L = Lecture, **T** = Tutorial, P = Practical, IA=Internal Assessment, ETE=End Term Exam, **Cr**=Credits

***for calculation of contact hours**