

Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur
Faculty of Engineering & Technology
Course and Examination Scheme of Bachelor of Technology-Aeronautical Engineering
V Semester B. Tech. (CBCS)

Subject Code	Subject	Teaching Scheme				Examination Scheme								
		Hours per week			No. of Credits	Theory					Practical			
		L	T	P		Duration of Paper (Hrs.)	Max Marks University Assessment	Max Marks College Assessment	Total Marks	Min. Passing Marks	Max Marks University Assessment	Max Marks College Assessment	Total Marks	Min. Passing Marks
BTAE 501T	Propulsion- II	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 501P	Propulsion- II Lab	-	-	2	1	-	-	-	-	-	-	-	-	-
BTAE 502T	Aircraft System & Instrumentation	3	-	-	3	03	70	30	100	45	25	25	50	25
BTAE 502P	Aircraft Systems & Instrumentation Lab	-	-	2	1	-	-	-	-	-	-	-	-	-
BTAE 503T	Aircraft Structure- II	3	1	-	4	03	70	30	100	45	25	25	50	25
BTAE 503P	Aircraft Structure- II Lab	-	-	2	1	-	-	-	-	-	-	-	-	-
BTAE 504T	Industrial Economics and Management	3	-	-	3	03	70	30	100	45	25	25	50	25
BTAE 505T(E)	Elective-I	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 506T	Introduction to Aeromodelling	2	-	-	-	College assessment in Grades as O,A,B,C (Evaluation mentioned in the Syllabus of concerned subject)								
Total		17	1	6	19	-	350	150	500	-	75	75	150	-
Semester Total		24			19	Marks 650								

Elective-I	
Course Code	Course Name
BTAE 505T(E) -1	Heat and Mass Transfer
BTAE 505T(E) -2	Smart materials and Introduction to composites
BTAE 505T(E) -3	Airworthiness and Certification
BTAE 505T(E) -4	Introduction to Helicopter Dynamics

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BTAE 601T	Aircraft Design	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 601P	Aircraft Design Laboratory	-	-	2	1	-	-	-	-	-	25	25	50	25
BTAE 602T	Space Technology	3	1	-	4	03	70	30	100	45	-	-	-	-
BTAE 603T	Open Elective-I	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 604T	Elective-II	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 605P	Aero-design and Simulation Lab	-	-	2	1	-	-	-	-	-	25	25	50	25
BTAE 606P	Non Destructive Inspection Lab	-	-	2	1	-	-	-	-	-	25	25	50	25
BTAE 607T	Effective Technical Communication	2	-	-	2	02	35	15	50	23	-	-	-	-
BTAE 608P	Mini Project- II : {Internship/Case Study/ Seminar}	-	-	6	3	-	-	-	-	-	50	50	100	50
BTAE 609P	Sports/Yoga/ NSS/NCC			3	0	College assessment in Grades as O,A,B,C (Evaluation mentioned in the Syllabus of concern subject)								
Total		14	1	15	21		315	135	450		125	125	250	
Semester Total		30			21	Marks 700								

Open Elective-I		Elective-II	
Course Code	Course Name	Course Code	Course Name
BTAE 603T(OE)-1	Design of Machine Elements	BTAE604T(E)-1	Aircraft Mechanisms Analysis and Synthesis
BTAE 603T(OE)-2	Finance And Accounting	BTAE604T(E)-2	Flight Dynamics
BTAE 603T(OE)-3	Renewable Energy Sources	BTAE604T(E)-3	Principles of Combustion
BTAE 603T(OE)-4	Industrial Safety and Environment	BTAE604T(E)-4	Aerodynamic Design of Compressors and Turbine

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