

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

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 701T	Air Transportation and Management	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 702T(OE)	Open Elective II	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 703T(E)	Elective III	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 704T(E)	Elective IV	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 704P(E)	Elective IV	-	-	2	1	-	-	-	-	-	25	25	50	25
BTAE 705P	Project Work Phase- I	-	-	8	4	-	-	-	-	-	100	100	200	100
BTAE 706T	Universal Human Values	2	-	-	-	College assessment in Grades as O,A,B,C,(Evaluation mentioned in the Syllabus of concern subject)								
Total		14	0	10	17	-	280	120	400	-	125	125	250	-
Semester Total		24			17	Marks 650								

Open Elective-II	
Course Code	Course Name
BTAE 702T(OE)-1	Introduction to multi-disciplinary design optimization
BTAE 702T(OE)-2	Relativity, Cosmology, and the Early Universe
BTAE 702T(OE)-3	MATLAB for Engineering Applications.

Elective-III	
Course Code	Course Name
BTAE 703T(E) - 1	Reliability Centered Maintenance
BTAE 703T(E) -2	UAV Systems Design
BTAE 703T(E) -3	Theory of Vibrations

Elective - IV	
Course Code	Course Name
BTAE 704T(E)-1	Avionics-II
BTAE 704T(E)-2	Computational Fluid dynamics
BTAE 704T(E)-3	Finite Element Method
BTAE 704T(E)-4	Aircraft Maintenance and Overhaul

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Faculty of Engineering & Technology
Course and Examination Scheme of Bachelor of Technology (Aeronautical Engineering) (CBCS)
VIII Semester B. E. (Aeronautical Engineering)

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 801T	Hypersonic Aerodynamics	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 802T(E)	Elective V	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 803T(E)	Elective VI	3	-	-	3	03	70	30	100	45	-	-	-	-
BTAE 804P	Project Work Phase- II	-	-	12	6	-	-	-	-	-	100	100	200	100
Total		9	-	12	15	-	210	90	300	-	100	100	200	
Semester Total		21			15	Marks 500								

Elective - V		Elective-VI	
Course Code	Course Name	Course Code	Course Name
BTAE 802T(E)-1	Experimental Stress Analysis	BTAE 803T(E) -1	Aero Engine Maintenance
BTAE 802T (E)-2	Wind Tunnel techniques	BTAE 803T(E) -2	Theory of Aero elasticity
BTAE 802T (E)-3	Introduction to Hybrid Propellant and Cryogenics	BTAE 803T(E) -3	Industrial Aerodynamics
BTAE 802T (E)-4	Bio-Fluid Dynamics	BTAE 803T(E) -4	Aviation Logistics and Supply Chain Management



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