



## TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING & TECHNOLOGY

Wardha Road, Nagpur - 441108  
Accredited with NAAC A+ Grade & NBA Accredited (EE & ME)  
Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)



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### DEPARTMENT OF AERONAUTICAL ENGINEERING

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#### B. Tech. 3rd Semester (NEP)– Open Elective-I

#### BAE32310: Introduction to Aerospace Engineering

BAE32310	Course Outcomes
CO1	<b>Understand</b> history of aviation and basic concepts of aerospace engineering and implement the knowledge acquired in design and development of aircrafts.
CO2	<b>Understand</b> different components of aircraft, vehicle types and flight instrumentations and develop conceptual design of aircraft systems and subsystems.
CO3	<b>Apply</b> the knowledge of aerodynamic forces and moments acting on airplane for understanding of different flight parameters.
CO4	<b>Apply</b> the knowledge of aircraft structures and configurations in solving the problems on airplane layouts, load factor and factor of safety.
CO5	<b>Investigate</b> the performance and characteristics of the aircraft jet engines and the basic understanding of their working principles.