



TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING & TECHNOLOGY

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade & NBA Accredited (EE, ME, CE & ECE)

Approved by AICTE, New Delhi, Govt. of Maharashtra

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



Aeronautical Engineering Department

BAE33504: Boundary Layer Theory

BAE33504	Course Outcomes	CL	Class Sessions
CO1	Explain the fundamentals of viscous flow and boundary layer theory.	3	9
CO2	Apply exact and approximate methods to solve laminar boundary layer flow problems.	3	9
CO3	Analyze the transition from laminar to turbulent flow in pipes and over flat plates, and the role of Reynolds number.	3	9
CO4	Evaluate turbulent boundary layer characteristics using Reynolds-averaged equations and velocity distribution laws.	4	9
CO5	Apply boundary layer control methods to delay separation and unsteady viscous flows.	3	9