



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

HONORS IN AIRCRAFT STRUCTURE

B.Tech 3rd Semester

BAE32325	Course Outcomes	CL	Class Sessions
CO1	Identify and describe the core components of smart systems and explain their integration into functional systems.	3	9
CO2	Apply knowledge of composite materials (e.g., piezoelectric and magnetostrictive composites) in real-world engineering applications.	3	9
CO3	Analyze the use of SMAs in vibration control and actuation, particularly with NiTiNOL actuators.	4	9
CO4	Illustrate feedback control methods, pulse drive, and resonance drive techniques in piezoelectric actuator systems.	3	9
CO5	Illustrate visualization methods used for subsonic and supersonic flow sensing.	3	9