



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)



Aeronautical Engineering Department

B.Tech Second Year (Semester-III)

BAE32302: Solid Mechanics

BAE32302	Course Outcomes
CO1	Evaluate the stress and strains induced in deformable bodies subjected to different loading conditions.
CO2	Evaluate the principal stresses and strains and its effect on different structures.
CO3	Calculate the shear force, bending moment, stresses in a beam under given load conditions.
CO4	Analyze deflection of beams by Macaulay's and area moment methods and evaluate stresses in beams.
CO5	Apply the concept of strain energy and impact loading for various engineering applications.