



Tulsiramji Gaikwad-Patil College of Engineering and Technology

Wardha Road, Nagpur-441 108

NAAC Accredited (A+ Grade)



Second Year (Semester-III) B.Tech. Aeronautical Engineering

BAE2305:SOLID MECHANICS

BAE2305	COURSE OUTCOMES
CO1	Evaluate St. Venant's principle by assessing the basic concepts related to stress and strains.
CO2	Calculate the shear force, bending moment, stresses in a beam under given load conditions.
CO3	Analyze deflection of beams by Macaulay's and area moment methods and evaluate stresses in beams.
CO4	Investigate the buckling of column at different end conditions using Rankine's, Johnson's and Energy method.
CO5	Investigate the principle stresses and strains and its effect on different structures.