



TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

B.Tech. Civil Engineering

Course Name **BCE2307**: Mechanics of Solids Lab

BCE2307	Course Outcomes
CO1	Classify the behavior of materials under different stress and strain conditions.
CO2	Determine the bending moment and shear force diagram and discuss the concept of shear force and bending moment
CO3	Evaluate the bending stress and shear stress distribution for beams under the different conditions of loading.
CO4	Design the torsional effect on circular and hollow circular section of shaft at different speed, angle of twist, power and torque.
CO5	Analyze slope and deflection of beam under the different support condition and different loading condition.