



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 **BCE2303**: Mechanics of Solids

| BCE2303 | 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 | Calculate 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. |