



Tulsiramji Gaikwad-Patil College of Engineering and Technology

Wardha Road, Nagpur-441 108

NAAC Accredited with A+ Grade

(An Autonomous Institute Affiliated to RTM Nagpur University, Nagpur)



Program: B.Tech. Civil Engineering

Semester III

BCE32303: Mechanics of Solids Lab

	Course Outcomes	CL
BCE32303.1	Classify the behavior of materials under different stress and strain conditions.	2
BCE32303.2	Determine the bending moment and shear force diagram and discuss the concept of shear force and bending moment	3
BCE32303.3	Evaluate the bending stress and shear stress distribution for beams under the different conditions of loading.	5
BCE32303.4	Design the torsional effect on circular and hollow circular section of shaft at different speed, angle of twist, power and torque.	6
BCE32303.5	Analyze slope and deflection of beam under the different support condition and different loading condition.	4

S. P. S. Patil

HoD(CE)