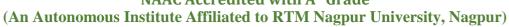


Tulsiramji Gaikwad-Patil College of Engineering and Technology

Wardha Road, Nagpur-441 108 NAAC Accredited with A+ Grade





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 strainconditions. | 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 underthe different conditions of loading. | 5 |
| BCE32303.4 | Design the torsional effect on circular and hollow circular section of shaft atdifferent speed, angle of twist, power and torque. | 6 |
| BCE32303.5 | Analyze slope and deflection of beam under the different support conditionand different loading condition. | 4 |

Spatharean HoD(CE)