



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 IV

BCE2408: Structural Analysis Lab

	Course Outcomes	CL	Lab Sessions
BCE2408.1	Analyze the slope and deflection of continuous beam and flexural rigidity to compare with theoretical value.	4	4
BCE2408.2	Determine the moment required to produce a rotation at one end of beam and verification of Maxwell Reciprocal Theorem.	3	2
BCE2408.3	Determine the behaviour of strut by Euler's buckling load and measure horizontal thrust of two-hinged parabolic arch.	3	4
BCE2408.4	Analysis of continuous beam using Staad Pro.	4	6
BCE2408.5	Analysis of plane frame and truss using Staad Pro.	4	6