



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

BCE2404 : Structural Analysis

	Course Outcomes	CL	Class Sessions
BCE2404.1	Apply knowledge to determine the forces in determinate structures and indeterminate structures	3	9
BCE2404.2	Analyze the slope and deflection of beams and frames under structural loading conditions and use the approximate method for analysis of multistoried frame structures	4	9
BCE2404.3	Apply knowledge of Influence Line structural members for rolling loads	3	9
BCE2404.4	Apply stiffness method to analyze beams and plane frames.	3	9
BCE2404.5	Apply direct stiffness method to formulate, stiffness matrix, transformation matrix, load matrix to analyze plane truss.	3	9