
	<b>Tulsiramji Gaikwad-Patil College of Engineering and Technology</b> Wardha Road, Nagpur-441 108 <b>NAAC Accredited with A+ Grade</b> (An Autonomous Institute Affiliated to RTM Nagpur University, Nagpur)	
<b>Program: B.Tech. Civil Engineering</b>		
<b>Semester IV</b>		

**BCE32401: Structural Analysis**

	Course Outcomes	CL
<b>BCE32401.1</b>	<b>Apply</b> knowledge to determine the forces in determinate structures and indeterminate structures	3
<b>BCE32401.2</b>	<b>Analyze</b> the slope and deflection of beams and frames under structural loading conditions and use the approximate method for analysis of multistoried frame structures	4
<b>BCE32401.3</b>	<b>Apply</b> knowledge of Influence Line structural members for rolling loads	3
<b>BCE32401.4</b>	<b>Apply</b> stiffness method to analyze beams and plane frames.	3
<b>BCE32401.5</b>	<b>Apply</b> direct stiffness method to formulate, stiffness matrix, transformation matrix, load matrix to analyze plane truss.	3

  
**HoD(CE)**