



**Tulsiramji Gaikwad-Patil College of Engineering and Technology**

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



**Third Year (Semester-VI) B. Tech. Mechanical Engineering**

**6th Sem Autonomous Course Outcome (CO)**

**BME3609:PE-III- Industrial Robotics**

Course Code	Course Outcomes	CL
<b>BME3609</b>		
<b>BME3609.1</b>	<b>Discuss</b> history and classification of robots.	3
<b>BME3609.2</b>	<b>Explain</b> robot end effectors and grippers.	4
<b>BME3609.3</b>	<b>Explain</b> direct and inverse kinematics.	4
<b>BME3609.4</b>	<b>Discuss</b> the types of robot sensors and its applications.	3
<b>BME3609.5</b>	<b>Explain</b> the cell layouts of robots and its interface.	4

  
BOS Chairman

Department of Mechanical Engineering,  
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Tulsiramji Gaikwad-Patil  
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Vice-Principal  
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