



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

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institution Affiliated to RTM Nagpur University, Nagpur)



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## Department of Electrical Engineering

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### B.Tech Electrical Engineering

Course Name **BEE2409: Power System Simulation Lab**

| BEE2409 | Course Outcomes  |
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| CO1     | <b>Describe</b> the basic concepts of electrical power system & functions of protective devices used in substation   |
| CO2     | <b>Evaluate</b> per unit values for components of power system & line parameters of transmission line by using per unit system representation.                             |
| CO3     | <b>Discriminate</b> feeders, distributors, types of insulators & HT LT cables based on their operating voltage levels.   |
| CO4     | <b>Calculate</b> the voltage regulation and efficiency of short, medium & Long power transmission lines by using nominal PI method and nominal T method of representation. |
| CO5     | <b>Discriminate</b> magnetic boundary conditions, Point form & Integral form of Maxwell's equation.  |