



**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 **BEE2405: Electrical Power System**

BEE2405	Course Outcomes
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>Determine</b> solution of load flow equation for multi-bus system by using static load flow equations.