



**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 **BEE2401: Electromagnetic Field**

BEE2401	Course Outcomes
CO1	<b>Determine</b> the unit vector, magnitude & angles in the specified criteria by using vector algebra.
CO2	<b>Evaluate</b> the physical quantities of electromagnetic fields by using Coulomb's law, Gauss's law and Divergence theorem.
CO3	<b>Calculate</b> the potential of charge and current density of boundary conditions for dielectric materials using Poisson's and Laplace Equations.
CO4	<b>Find</b> the magnetic Field Intensity and Density of magnetic material with the help of Biot Savart's law, Ampere's Circuital law and Stoke's theorem
CO5	<b>Discriminate</b> magnetic boundary conditions, Point form & Integral form of Maxwell's equation.