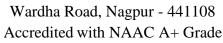
## Tulsiramji Gaikwad-Patil College of Engineering and Technology





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**

## **M.Tech Integrated Power System**

## **Course Name MIP1101: Power System Modeling**

MIP1101	Course Outcomes
CO1	<b>Apply</b> the Park's transformation and per unit system for simulation and stability analysis of power system.
CO2	<b>Analyze</b> the operational behavior and problems of two machine and multimachine power system for stability study.
CO3	<b>Design</b> the equivalent circuit, its parameters and simulation model for various components including loads in power system for static and dynamic stability studies.
CO4	<b>Develop</b> analytical approach and program tools for testing transition processes in power system
CO5	<b>Evaluate</b> the effective inductance under open and short circuit condition, for three-phase transformers.