



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)



Department of Electrical Engineering

M.Tech Integrated Power System

Course Name **MIP1101: Power System Modeling**

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