



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. Electric Vehicle Technology

Course Name: **MEV1106: Switching Power Supplies**

MEV1106	Course Outcomes
CO1	Analyze an equivalent circuit model of Switched mode power supply for steady-state analysis.
CO2	Design of magnetic components (i.e., inductor and transformer) for converters used in power supply.
CO3	Compare the operation of resonance switching power converters with traditional converters.
CO4	Develop feedback controller to regulate DC output of power supply and obtain its frequency response.
CO5	Analyze the performance of SMPS with various input filters.