



**TULSIRAMJIGAIKWAD-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)



## Department of Electronics & Communication Engineering

B.Tech Electronics & Communication Engineering

Course Name: **BEC3508** : Power Electronics

<b>EC3508</b>	<b>Course Outcome</b>
CO1	Analyze the working and characteristics of power devices.
CO2	Analyze the construction, operation, and steady-state characteristics of IGBT, Power MOSFET, and GTO devices.
CO3	Determine the application of Power devices as controlled rectifier, AC-DC converters.
CO4	Apply the Knowledge of Power Devices for conversion by using Choppers & Inverters.
CO5	Illustrate the operation and the necessity of starters for three-phase induction motors, and speed control techniques applicable to three-phase induction motors.