Tulsiramji Gaikwad-Patil College of Engineering and Technology
Wardha Road, Nagpur-441 108
NAAC A⁺ Accredited & An Autonomous Institute
Approved by AICTE ,New Delhi, Govt .of Maharashtra & Affiliated to RTM Nagpur

Department of Science & Humanities

POWER SIM

QR-CODE

EXPERIMENTS	QR CODE	EXPERIMENTS	QR CODE	EXPERIMENTS	QR CODE
1.Design and Simulate simple circuits to verify Kirchhoff's Law.		5.Simulation of single-phase Transformer in PSIM		9.To observe Input and Output Characteristics of BJT in CE configuration using PSIM simulator	
2.Design and Simulate circuits to verify network theorems such as Superposition theorems.		6.Simulation of three-phase Transformer in PSIM.		10.To observe Input and Output Characteristics of BJT in CB configuration using PSIM simulator.	
3.Measure the voltage, current, and power in the R-L, R-C, and R-L-C series circuits and observe the phase difference between voltage and current.		7.Simulate Zener diode as a voltage regulator.			
4.Design And Simulate Circuit To Transform Ac To High Volt Dc Using Voltage Multiplier Voltage Doubler		8.To observe the output voltage waveform of a half wave rectifier and center tapped full wave rectifier with and without capacitor filter			