



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 Electronics and Communication Engineering

M. Tech. Electronics Engineering (Communication)

Course Name: MEC21105 Active RF Devices and Circuits (PE-1)

Course Code	Course Outcomes	PO/PSO	CL	Class Session
MEC21105.1	Determine the various parameter of transmission line by using of Smith chart.	PO1, PO2, PO3, PO12	3	9
MEC21105.2	Analyze the parameters of active devices to design microwave semiconductor devices.	PO1, PO2, PO12	4	9
MEC21105.3	Evaluate of RF Amplifier and low noise amplifier.	PO1, PO2, PO3	5	9
MEC21105.4	Design a RF mixer Circuit.	PO1, PO2, PO3, PO12	6	9
MEC21105.5	Design oscillators, Phase Locked Loop	PO1, PO2, PO3, PO12	6	9

HoD(ECE)