



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: MEC21103 Adaptive Signal Processing

Course Code	Course Outcomes	PO/PSO	CL	Class Sessions
MEC21103.1	Examine filter structure and its types solutions	PO1, PO2, PO3	3	9
MEC21103.2	Analyze linear filtering solutions for optimizing the cost function using wiener filters.	PO1, PO2, PO, PO12	4	9
MEC21103.3	Analyze convergence and stability issues using LMS algorithm and its transform domain.	PO1, PO2, PO, PO12	5	9
MEC21103.4	Evaluate the performance Recursive Least Squares (RLS) techniques to improve convergence behavior.	PO1, PO2, PO3	4	9
MEC21103.5	Explore properties of orthogonalization transform by using mathematical perspective and Convergence analysis of the RLS algorithm	PO1, PO2, PO3	3	9

HoD(ECE)