



**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)



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## Department of Electronics and Communication Engineering

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### M.Tech Electronics (Communication)

### Course Name MEC1111: Adaptive Signal Processing

MEC1111	Course Outcomes
CO1	<b>Examine</b> filter structure and its types solutions.
CO2	<b>Analyze</b> linear filtering solutions for optimizing the cost function using wiener filters.
CO3	<b>Analyze</b> convergence and stability issues using LMS algorithm and its transform domain.
CO4	<b>Evaluate</b> the performance Recursive Least Squares (RLS) techniques to improve convergence behavior.
CO5	<b>Explore</b> properties of orthogonalization transform by using mathematical perspective and Convergence analysis of the RLS algorithm.