



Tulsiramji Gaikwad-Patil College of Engineering and Technology

Wardha Road, Nagpur-441 108

NAAC Accredited with A+ Grade

(An Autonomous Institute Affiliated to RTM Nagpur University, Nagpur)



Program: M.Tech. Structural Engineering

Semester I

(PE-I) Structural Optimization

	Course Outcomes	PO/PSO	CL	Class Sessions
MSE21105.1	Execute Variational principle for optimization	PO1, PO2	3	9
MSE21105.2	Apply optimization techniques to structural steel and concrete members.	PO1, PO2, PO3	3	9
MSE21105.3	Analyze liner programming concept with respect structural optimization	PO1, PO2, PO3	4	9
MSE21105.4	Compare the Geometric programming and stochastic programming	PO1, PO2, PO3	4	9
MSE21105.5	Design of concrete members by using frequency constraint.	PO1, PO2, PO3,	6	9

Spahyatean

HoD(CE)