



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 Electrical Engineering

Innovative Teaching Methods

Name of Faculty	Title of Video	Specialization Area	YouTubeVideo Link
Prof. Praful Ghadge	Three Phase power measurement methods	Measurement and Instrumentation	Three Phase power measurement methods - YouTube
Prof. Praful Ghadge	Working principle of Weston Frequency Meter	Measurement and Instrumentation	Working principle of Weston Frequency Meter - YouTube
Prof. Praful Ghadge	Electric Circuit (Topic: Kirchoff's laws)	Basic Electrical Engineering	Electric Circuit (Topic: Kirchoff's laws) - YouTube
Prof. Praful Ghadge	Selection of AC & DC motors for Drive	Electrical Drives	Selection of AC & DC motors for Drive - YouTube
Prof. Chetan Jambhulkar	Synchronous Machine and its types	Electrical Machines	Synchronous Machine and its types - YouTube
Prof. Chetan Jambhulkar	Ampere Turn Method for finding out Synchronous Reactance	Electrical Machines	Ampere Turn Method for finding out Synchronous Reactance - YouTube
Prof. Chetan Jambhulkar	Brushless DC Motor	Electrical Machines	Brushless DC Motor by Mr. Chetan Jambhulkar - YouTube
Prof. Chetan Jambhulkar	AC Series Motor	Electrical Machines	AC Series Motor By Mr. Chetan Jambhulkar - YouTube
Prof. Chetan Jambhulkar	Repulsion Motor	Electrical Machines	Repulsion Motor by Mr. Chetan Jambhulkar - YouTube
Prof. Chetan Jambhulkar	Numerical on Electrical Field Intensity due to Line Charge Density	Elements of Electromagnetics	Numerical on Electrical Field Intensity due to Line Charge Density - YouTube
Prof. Chetan Jambhulkar	Numerical on Differential Element of closed surface & Concept of Electric Field	Elements of Electromagnetics	Numerical on Differential Element of closed surface

	Intensity		&Concept of Electric Field Intensity - YouTube
Prof. Chetan Jambhulkar	Dual of the Network	Network Analysis	Dual of the Network by Mr. Chetan Jambhulkar - YouTube
Prof. Radharaman Shaha	Construction aspects of an Energy Efficient motor as compared with a Standard Motor	Energy Audit and Management	Construction aspects of an Energy Efficient motor as compared with a Standard Motor - YouTube
Prof. Radharaman Shaha	Energy Management and Audit	Energy Audit and Management	Unit: Energy Management and Audit - YouTube
Prof. Radharaman Shaha	Electrical Energy Management	Energy Audit and Management	Unit-V: Electrical Energy Management - YouTube
Prof. Vaishali Malekar	Buchholz Relay	Switchgear and Protection	buchholz relay - YouTube
Prof. Vaishali Malekar	Tariff & its types	Electrical Installation and Design	Tariff & its types - YouTube
Prof. Vaishali Malekar	Tariff and its objectives	Electrical Installation and Design	Tariff and its objectives - YouTube
Prof. Vaishali Malekar	current limiting reactor	Electrical Installation and Design	current limiting reactor by Prof.VaishaliMalekar - YouTube
Prof. Vaishali Malekar	Power Measurement	Measurement and Instrumentation	Electrical Measurement & Instrumentation (Topic: Power Measurement) - YouTube
Prof. Ashvini Admane	Numericals on Illumination Engineering	Utilization of Electrical Energy	Numericals on Illumination Engineering by Prof.AshviniAdmane - YouTube
Prof. Ashvini Admane	Dielectric Breakdown in Gases Medium	High Voltage Engineering	Dielectric Breakdown in Gases Medium by Prof. Ashvini Admane - YouTube
Prof. Ashvini Admane	Methods of Depreciation	Power Station Practice	Power Station Practice : Methods of Depreciation - YouTube
Prof. Ashvini Admane	Electrical Welding	Utilization of Electrical Energy	Electrical Welding by Prof.AshviniAdmane

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Prof. Nikita Malwar	Unsymmetrical Fault Analysis	Power System	EPS 2 Unit 3 - YouTube
Prof. Nikita Malwar	Inductance Capacitance and Flux Linkages	Power System	Electical Power System-1 - YouTube
Prof. Nikita Malwar	Structure of Electric Power System	Power System	EPS-I (Topic:Structure of electrical power system) - YouTube
Prof. Nikita Malwar	Symmetrical Component Transformation	Power System	Lecture-4 Solved examples of symmetrical components Symmetrical Components - YouTube
Dr. Pratik Ghutke	State variable Feedback Controller Design	Control System	State variable Feedback Controller Design Numerical-2 - YouTube
Dr. Pratik Ghutke	Controllability & Observability	Control System	Controllability & Observability Numerical-2 - YouTube
Dr. Pratik Ghutke	Controllability & Observability Numerical	Control System	Controllability & Observability Numerical-2 - YouTube
Dr. Pratik Ghutke	Time Response Analysis: Steady State Error Numerical	Control System	Time Response Analysis: Steady State Error Numerical - YouTube
Dr. Pratik Ghutke	State Model Eigen Values & Vectors	Control System	State Model Eigen Values & Vectors - YouTube
Dr. Pratik Ghutke	Bode Plot Solved Numerical	Control System	Bode Plot Solved Numerical Part 3 - YouTube
Dr. Pratik Ghutke	Solution by State Equation	Control System	Unit 2 Solution by State Equation - YouTube
Dr. Pratik Ghutke	Frequency Response Analysis	Control System	Frequency Response Analysis (Bode Plot) Part 1 - YouTube
Dr. Pratik Ghutke	State variable Feedback Controller Design Numerical-2	Control System	State variable Feedback Controller Design Numerical-2 - YouTube
Dr. Pratik Ghutke	Nyquist Plot or Polar Plot Basics	Dr. Pratik Ghutke	Nyquist Plot or Polar Plot Basics - YouTube

Prof. Ganesh Wakte	Transformer	Electrical Machines	Transformer Ganesh Wakte - YouTube
Prof. Ganesh Wakte	Designing of shell type Transformer	Electrical Machines	Designing of shell type Transformer - YouTube
Prof. Ganesh Wakte	Output Equation of Single Phase Transformer	Electrical Machines	Output Equation of Single Phase Transformer - YouTube
Prof. Ganesh Wakte	Design of transformer	Electrical Machines	1 Introduction to Design of transformer - YouTube
Prof. Ganesh Wakte	Introduction to Design of transformer	Electrical Machines	Introduction to Design of transformer - YouTube
Prof. Ganesh Wakte	DC Motor Need of Starter	Electrical Machines	DC Motor Need of Starter - YouTube
Prof. Ganesh Wakte	Cooling Method of Transformer	Electrical Machines	Cooling Method of Transformer - YouTube
Prof. Ganesh Wakte	DC Machine	Electrical Machines	DC Machine 1 - YouTube
Prof. Ganesh Wakte	HVDC Switch Gear & Protection	HVDC Switchgear and Protection	HVDC Switch Gear & Protection - YouTube
Prof. Ganesh Wakte	Earth Electrodes-1	EHVAC and HVDC	Earth Electrodes-1 - YouTube
Prof. Ganesh Wakte	Extra High Voltage Transmission line	EHVAC and HVDC	Extra High Voltage Transmission line-3 - YouTube
Prof. Ganesh Wakte	Single Phase Induction Motor	Electrical Machines	Single Phase Induction Motor 1 - YouTube
Prof. Ganesh Wakte	Simple Understanding Concept of DC Machine Learning Activity	Electrical Machines	Simple Understanding Concept of DC Machine Learning Activity - YouTube