Aayush SIR : Power System

Date	Chapter	Topic	Timing
Friday, February 28, 2025		Hydroelectric Power Plant and Nuclear Power Plant	3:00 PM - 4:00 PM
Saturday, March 1, 2025	**Generating Stations**	Diesel Power Plant and Conventional Power Generation	3:00 PM - 4:00 PM
Monday, March 3, 2025		Important Terms and Factor	3:00 PM - 4:00 PM
Tuesday, March 4, 2025	**Economies of Power Generation**	Load Curves and Selection of Gener-ating Units	3:00 PM - 4:00 PM
Wednesday, March 5, 2025		Power system introduction , materials	3:00 PM - 4:00 PM
Thursday, March 6, 2025	**Introduction & transmission line**	Modelling and short line	3:00 PM - 4:00 PM
Friday, March 7, 2025		Medium and long transmission line	3:00 PM - 4:00 PM
Saturday, March 8, 2025		Ferranti effect	3:00 PM - 4:00 PM
Sunday, March 9, 2025	**Transmission line**	Concept of star and delta load	3:00 PM - 4:00 PM
Monday, March 10, 2025		Concept of source and sink, high power factor	3:00 PM - 4:00 PM
Tuesday, March 11, 2025		Relation between voltage and reactive oower control	3:00 PM - 4:00 PM
Wednesday, March 12, 2025		Shunt capacitor	3:00 PM - 4:00 PM
Thursday, March 13, 2025		Shunt reactor , series capacitor	3:00 PM - 4:00 PM
Friday, March 14, 2025	**Voltage and reactive power control**	SPM, OLTC and Booster transformer	3:00 PM - 4:00 PM
Saturday, March 15, 2025		Calculation of R ,L C	3:00 PM - 4:00 PM
Monday, March 17, 2025		Bundle conductor	3:00 PM - 4:00 PM
Tuesday, March 18, 2025	**Transmission line parameter**	Corona analysis	3:00 PM - 4:00 PM
Wednesday, March 19, 2025		Insulators analysis	3:00 PM - 4:00 PM
Thursday, March 20, 2025	**Insulators**	Sag and tension	3:00 PM - 4:00 PM
Friday, March 21, 2025	**Power cables**	Underground power cable analysis	3:00 PM - 4:00 PM
Saturday, March 22, 2025		Per unit parameters	3:00 PM - 4:00 PM
Monday, March 24, 2025		Balanced 3 phase circuit	3:00 PM - 4:00 PM
Tuesday, March 25, 2025		Single line diagram	3:00 PM - 4:00 PM
Wednesday, March 26, 2025		Fundamentals of fault , classification	3:00 PM - 4:00 PM
Thursday, March 27, 2025		General Characteristics of fault, generator	3:00 PM - 4:00 PM
Friday, March 28, 2025		Symmetrical fault	3:00 PM - 4:00 PM
Saturday, March 29, 2025		Symmetrical componets	3:00 PM - 4:00 PM
Monday, March 31, 2025	**Fault analysis**	Unsymmetrical fault	3:00 PM - 4:00 PM
Tuesday, April 1, 2025		Introduction to protection	3:00 PM - 4:00 PM
Wednesday, April 2, 2025		Relays-1	3:00 PM - 4:00 PM
Thursday, April 3, 2025		Relays-2	3:00 PM - 4:00 PM
Friday, April 4, 2025		Circuit breaker-1	3:00 PM - 4:00 PM
Saturday, April 5, 2025		Circuit breaker-2	3:00 PM - 4:00 PM
Monday, April 7, 2025		Complete power system generation-1	3:00 PM - 4:00 PM
Tuesday, April 8, 2025	**Power system protection**	Complete power system generation-2	3:00 PM - 4:00 PM
Wednesday, April 9, 2025		Live doubt and miscellaneous-1	3:00 PM - 4:00 PM
Thursday, April 10, 2025		Live doubt and miscellaneous-2	3:00 PM - 4:00 PM
Friday, April 11, 2025	**LIVE DOUBT AND MISCELLANEOUS**	Live doubt and miscellaneous-3	3:00 PM - 4:00 PM
END OF SUBJECT			
Date	**Chapter**	**Topic**	**Timing**
Saturday, April 12, 2025	**Introduction**	Fundamentals of machine, Basics of transformer	1:00PM 2:00PM
Monday, April 14, 2025		Shell type and core type	1:00PM 2:00PM
Tuesday, April 15, 2025		Principle, ideal transformers, EMF equation	1:00PM 2:00PM
Wednesday, April 16, 2025		Phasor diagram, Impedance transformer, rating of transformer	1:00PM 2:00PM
Thursday, April 17, 2025		Equivalent cricuit	1:00PM 2:00PM
Friday, April 18, 2025		OC test and SC test and Sumpner Test	1:00PM 2:00PM
Saturday, April 19, 2025		Voltage regulation	1:00PM 2:00PM
Monday, April 21, 2025		Losses in transformer	1:00PM 2:00PM
Tuesday, April 22, 2025		Efficiency of a Transformer	1:00PM 2:00PM
Wednesday, April 23, 2025		Parallel Operation of Single Phase Transformer	1:00PM 2:00PM
Thursday, April 24, 2025		Auto transformer	1:00PM 2:00PM
Friday, April 25, 2025		3 phase transformer-1	1:00PM 2:00PM
Saturday, April 26, 2025	**Transformer**	3 phase transformer-2	1:00PM 2:00PM
Monday, April 28, 2025		DC generator introduction	1:00PM 2:00PM
Tuesday, April 29, 2025		Construction of DC machine	1:00PM 2:00PM
Wednesday, April 30, 2025		Classification of windings and its analysis	1:00PM 2:00PM
Thursday, May 1, 2025		EMF equation & Classification of generators	1:00PM 2:00PM
Friday, May 2, 2025		Armature Reaction	1:00PM 2:00PM
Saturday, May 3, 2025		Commutation & interpolar winding	1:00PM 2:00PM
Monday, May 5, 2025		DC Generator Characteristics	1:00PM 2:00PM
Tuesday, May 6, 2025		Voltage buildup condition and Critical Condition	1:00PM 2:00PM
Wednesday, May 7, 2025	**DC Generator**	Voltage Regulation and Parallel Operation of DC Generator	1:00PM 2:00PM
Thursday, May 8, 2025		DC motor introduction	1:00PM 2:00PM
Friday, May 9, 2025		Classification of DC motor	1:00PM 2:00PM
Saturday, May 10, 2025		Significance of back emf and torque analysis	1:00PM 2:00PM
Monday, May 12, 2025		DC Motor Characterstic	1:00PM 2:00PM
Tuesday, May 13, 2025		DC Motor Losses and Efficiency	1:00PM 2:00PM
Wednesday, May 14, 2025		Speed control of motor	1:00PM 2:00PM
Thursday, May 15, 2025		DC Motor Starter	1:00PM 2:00PM
Friday, May 16, 2025	**DC Motor**	Breaking and testing	1:00PM 2:00PM
Saturday, May 17, 2025		3 phase IM introduction and construction	1:00PM 2:00PM
Monday, May 19, 2025		Slip and rotor circuit parameters	1:00PM 2:00PM

Aayush SIR : Measurement and instrumentation

Date	Chapter	Topic	Timing
Tuesday, April 1, 2025		Methods of measurements, type of instruments	3:30PM-4:30PM
Wednesday, April 2, 2025	**Introduction**	Basic Characteristics of an Instrument & Error Analysis	3:30PM-4:30PM
Thursday, April 3, 2025		Types of Deflection, Damping and Controlling Torque	3:30PM-4:30PM
Friday, April 4, 2025		classification of analog instruments, mcq	3:30PM-4:30PM
Saturday, April 5, 2025		Basic Galvanometer, PMMC & MI instruments	3:30PM-4:30PM
Monday, April 7, 2025		Electrodyanamometer instruments	3:30PM-4:30PM
Tuesday, April 8, 2025	**Indicating Instrument**	Thermal instruments electrostatic instruments rectifier type	3:30PM-4:30PM
Wednesday, April 9, 2025	**Extension of Range**	Requirement of Range Extension and Basic DC Ammeter & Voltmeter	3:30PM-4:30PM
Thursday, April 10, 2025		Loading Effect Due to Voltmeter Resistance	3:30PM-4:30PM
Friday, April 11, 2025		Property , materials, measurments of low resistance	3:30PM-4:30PM
Saturday, April 12, 2025		Measurments of medium resistance	3:30PM-4:30PM
Monday, April 14, 2025		Measurments of high resistance	3:30PM-4:30PM
Tuesday, April 15, 2025		Measurments of inductance-1	3:30PM-4:30PM
Wednesday, April 16, 2025		Measurments of inductance-2	3:30PM-4:30PM
Thursday, April 17, 2025	**Measurement of R/L/C Using Bridge Circuits**	Capacitance and special bridges	3:30PM-4:30PM
Friday, April 18, 2025		DC and AC power,introduction to wattmeter	3:30PM-4:30PM
Saturday, April 19, 2025		Blondel theorem , two WM method, Single WM method	3:30PM-4:30PM
Monday, April 21, 2025		Errors in Wattmeter	3:30PM-4:30PM
Tuesday, April 22, 2025	**Power and energy**	Induction Type Energy Meter	3:30PM-4:30PM
Wednesday, April 23, 2025	**Measurement of PF and Frequency**	Measurement of Frequency	3:30PM-4:30PM
Thursday, April 24, 2025		Measurement of Power Factor	3:30PM-4:30PM
Friday, April 25, 2025		Basics and construction of CRO	3:30PM-4:30PM
Saturday, April 26, 2025		Measurement of phase and frequency	3:30PM-4:30PM
Monday, April 28, 2025	**CRO**	Operation modes of CRO and Special CRO	3:30PM-4:30PM
Tuesday, April 29, 2025		AC Potentiometers	3:30PM-4:30PM
Wednesday, April 30, 2025	**Potentiometers**	Basic Potentiometer Circuit &Crompton's Potentiometer Circuit	3:30PM-4:30PM
Thursday, May 1, 2025		Introduction and classification	3:30PM-4:30PM
Friday, May 2, 2025	**Transducer**	Strain gauges, LVDT, RTD. thermistor and pyrometer	3:30PM-4:30PM
Saturday, May 3, 2025	**Q meter**	Construction , principle, application of Q- meter	3:30PM-4:30PM
Monday, May 5, 2025	**Instruments transformer**	CT & PT and Burden of Instrument Transformer	3:30PM-4:30PM
Tuesday, May 6, 2025	**Digital Voltmeter**	basic of DVM and its Extension, Type of DVM	3:30PM-4:30PM
Wednesday, May 7, 2025		basic of Electronic AC Voltmeter and its principle operation	3:30PM-4:30PM
Thursday, May 8, 2025	**Electronic Voltmeter**	Type of Electronic AC Voltmeters	3:30PM-4:30PM
Friday, May 9, 2025		Live doubt and miscellaneous-1	3:30PM-4:30PM
Saturday, May 10, 2025	**LIVE DOUBT AND MISCELLANEOUS**	Live doubt and miscellaneous-2	3:30PM-4:30PM
Monday, May 12, 2025		Live doubt and miscellaneous-3	3:30PM-4:30PM
END OF SUBJECT			

Aayush SIR : Estimation & Costing

Date	Chapter	Topic	Timing
Tuesday, May 13, 2025		Estimation & Costing-1	2:00 PM- 3:00 PM
Wednesday, May 14, 2025		Estimation & Costing-2	2:00 PM- 3:00 PM
Thursday, May 15, 2025		Estimation & Costing-3	2:00 PM- 3:00 PM
Friday, May 16, 2025		Estimation & Costing-4	2:00 PM- 3:00 PM
Saturday, May 17, 2025	**Estimation & Costing**	Estimation & Costing-5	2:00 PM- 3:00 PM
END OF SUBJECT			

Aayush SIR : Network Theory

Date	Chapter	Topic	Timing
Monday, May 19, 2025		Classification of Element	1:30PM-2:30-PM
Tuesday, May 20, 2025		Circuit Element (R,L,C)	1:30PM-2:30-PM
Wednesday, May 21, 2025		Classification of Source	1:30PM-2:30-PM
Thursday, May 22, 2025		Ohm's Law and Kirchoff's Law	1:30PM-2:30-PM
Friday, May 23, 2025		Nodal Analysis and Source Transformation	1:30PM-2:30-PM
Saturday, May 24, 2025		Mesh Analysis	1:30PM-2:30-PM
Monday, May 26, 2025	**Network Elements**	Current and Voltage Division Rule, Star-Delta Conversion	1:30PM-2:30-PM
Tuesday, May 27, 2025		Equivalent Connection of Source and Tellegen's Theorem	1:30PM-2:30-PM
Wednesday, May 28, 2025		Thvenin's and Norton's Theorem	1:30PM-2:30-PM
Thursday, May 29, 2025		Maximum Power Transfer Theorem and Compensation Theorem	1:30PM-2:30-PM
Friday, May 30, 2025		Superposition Theorem and Substitution Theorem	1:30PM-2:30-PM
Saturday, May 31, 2025	**Network Theorem**	Milliman's Theorem and Reciprocity Theorem	1:30PM-2:30-PM
Monday, June 2, 2025		Alternating Voltage and Current	1:30PM-2:30-PM
Tuesday, June 3, 2025		Why Sine Waveform? Generation of Alernating Volatge and Current	1:30PM-2:30-PM
Wednesday, June 4, 2025		Important AC terminology	1:30PM-2:30-PM
Thursday, June 5, 2025	**A.C. Fundamentals**	Complex Waveform and Phasor Representation of Sinusoidal Quantities	1:30PM-2:30-PM
Friday, June 6, 2025		AC Circuit containing Pure R (or) L (or) C Only	1:30PM-2:30-PM
Saturday, June 7, 2025		R-L Series A.C. Circuit	1:30PM-2:30-PM
Monday, June 9, 2025	**Series AC Circuit**	R-C Series A.C Circuit	1:30PM-2:30-PM
Tuesday, June 10, 2025		R-L-C Series A.C Circuit and Resonance in series AC Circuit	1:30PM-2:30-PM
Wednesday, June 11, 2025		Variation of Voltages Across R/L/C with Frequency	1:30PM-2:30-PM

Tuesday, May 20, 2025		Torque Slip characteristics	1:00PM 2:00PM
Wednesday, May 21, 2025		Starting methods	1:00PM 2:00PM
Thursday, May 22, 2025		Speed control of Induction Motor	1:00PM 2:00PM
Friday, May 23, 2025		Testing of Indction motor	1:00PM 2:00PM
Saturday, May 24, 2025	**3 Phase induction motor**	Special construction, crawling and cogging	1:00PM 2:00PM
Monday, May 26, 2025		Introduction and Type of Single Phase IM	1:00PM 2:00PM
Tuesday, May 27, 2025		Double Field Revolving Theory	1:00PM 2:00PM
Wednesday, May 28, 2025		Making Single phase motor self Starting Equivalent Circuit	1:00PM 2:00PM
Thursday, May 29, 2025		Single Phase Motor Starting	1:00PM 2:00PM
Friday, May 30, 2025		Special motor - PMDC, Hysteresis Motor	1:00PM 2:00PM
Saturday, May 31, 2025		Special motor - Repulsion , Reluctance Motor	1:00PM 2:00PM
Monday, June 2, 2025		Special Motor-Stepper Motor , Universal Motor.	1:00PM 2:00PM
Tuesday, June 3, 2025	**Single phase and Special Motor**	Special Motor -Shaded Pole Motor , Servo Motor	1:00PM 2:00PM
Wednesday, June 4, 2025		Introduction and Construction	1:00PM 2:00PM
Thursday, June 5, 2025		Armature Winding	1:00PM 2:00PM
Friday, June 6, 2025		EMF equation & armature reaction	1:00PM 2:00PM
Saturday, June 7, 2025		Picth and Distribution Factor and Effect of Harmonics	1:00PM 2:00PM
Monday, June 9, 2025		Equivalent cricuit and voltage regulation	1:00PM 2:00PM
Tuesday, June 10, 2025		Alternator Voltage Regulation-Synchronous Impedance Method and MMF Method	1:00PM 2:00PM
Wednesday, June 11, 2025		Alternator Voltage Regulation-Zero Power Factor Method	1:00PM 2:00PM
Thursday, June 12, 2025		Power flow equation, two reaction theory	1:00PM 2:00PM
Friday, June 13, 2025		Operation and Phasor Diagram of Salient pole Synchronous Machine	1:00PM 2:00PM
Saturday, June 14, 2025		Synchrnous Power and Torque	1:00PM 2:00PM
Monday, June 16, 2025		Slip test & parallel operation	1:00PM 2:00PM
Tuesday, June 17, 2025		Slip test & parallel operation	1:00PM 2:00PM
Wednesday, June 18, 2025		Effect of Excitation in Synchronous Machine	1:00PM 2:00PM
Thursday, June 19, 2025		Synchrnous Power and Torque	1:00PM 2:00PM
Friday, June 20, 2025		Principle operation and Phasor Diagram of synchrnous Motor	1:00PM 2:00PM
Saturday, June 21, 2025		Hunting and Damper Winding	1:00PM 2:00PM
Monday, June 23, 2025		Effect of Excitation in Synchronous Machine	1:00PM 2:00PM
Tuesday, June 24, 2025		Power Factor Correction by Synchronous Motor	1:00PM 2:00PM
Wednesday, June 25, 2025	**Alternator and syncrhronous machines**	Starting of Synchronous Motor	1:00PM 2:00PM
Thursday, June 26, 2025	**MISC topics**	MISC topics	1:00PM 2:00PM
		END OF SUBJECT	

Aayush SIR : Control system

Date	Chapter	Topic	Timing
Thursday, June 26, 2025	**Introduction**	Fundamentals of machine, Basics of transformer	2:00PM - 3:00 PM
Friday, June 27, 2025		Shell type and core type	2:00PM - 3:00 PM
Saturday, June 28, 2025		Principle, ideal transformers, EMF equation	2:00PM - 3:00 PM
Monday, June 30, 2025		Phasor diagram, Impedance transformer, rating of transformer	2:00PM - 3:00 PM
Tuesday, July 1, 2025		Equivalent cricuit	2:00PM - 3:00 PM
Wednesday, July 2, 2025		OC test and SC test and Sumpner Test	2:00PM - 3:00 PM
Thursday, July 3, 2025		Voltage regulation	2:00PM - 3:00 PM
Friday, July 4, 2025		Losses in transformer	2:00PM - 3:00 PM
Saturday, July 5, 2025		Efficiency of a Transformer	2:00PM - 3:00 PM
Monday, July 7, 2025		Parallel Operation of Single Phase Transformer	2:00PM - 3:00 PM
Tuesday, July 8, 2025		Auto transformer	2:00PM - 3:00 PM
Wednesday, July 9, 2025		3 phase transformer-1	2:00PM - 3:00 PM
Thursday, July 10, 2025	**Transformer**	3 phase transformer-2	2:00PM - 3:00 PM
Friday, July 11, 2025		DC generator introduction	2:00PM - 3:00 PM
Saturday, July 12, 2025		Construction of DC machine	2:00PM - 3:00 PM
Monday, July 14, 2025		Classification of windings and its analysis	2:00PM - 3:00 PM
Tuesday, July 15, 2025		EMF equation & Classification of generators	2:00PM - 3:00 PM
Wednesday, July 16, 2025		Armature Reaction	2:00PM - 3:00 PM
Thursday, July 17, 2025		Commutation & interpolar winding	2:00PM - 3:00 PM
Friday, July 18, 2025		DC Generator Characteristics	2:00PM - 3:00 PM
Saturday, July 19, 2025		Voltage buildup condition and Critical Condition	2:00PM - 3:00 PM
Monday, July 21, 2025	**DC Generator**	Voltage Regulation and Parallel Operation of DC Generator	2:00PM - 3:00 PM
Tuesday, July 22, 2025		DC motor introduction	2:00PM - 3:00 PM
Wednesday, July 23, 2025		Classification of DC motor	2:00PM - 3:00 PM
Thursday, July 24, 2025		Significance of back emf and torque analysis	2:00PM - 3:00 PM
Friday, July 25, 2025		DC Motor Characterstic	2:00PM - 3:00 PM
Saturday, July 26, 2025		DC Motor Losses and Efficiency	2:00PM - 3:00 PM
Monday, July 28, 2025		Speed control of motor	2:00PM - 3:00 PM
Tuesday, July 29, 2025		DC Motor Starter	2:00PM - 3:00 PM
Wednesday, July 30, 2025	**DC Motor**	Breaking and testing	2:00PM - 3:00 PM
Thursday, July 31, 2025		3 phase IM introduction and construction	2:00PM - 3:00 PM
Friday, August 1, 2025		Slip and rotor circuit parameters	2:00PM - 3:00 PM
Saturday, August 2, 2025		Torque Slip characteristics	2:00PM - 3:00 PM
Monday, August 4, 2025		Starting methods	2:00PM - 3:00 PM
Tuesday, August 5, 2025		Speed control of Induction Motor	2:00PM - 3:00 PM
Wednesday, August 6, 2025		Testing of Indction motor	2:00PM - 3:00 PM
Thursday, August 7, 2025	**3 Phase induction motor**	Special construction, crawling and cogging	2:00PM - 3:00 PM
Friday, August 8, 2025		Introduction and Type of Single Phase IM	2:00PM - 3:00 PM
Saturday, August 9, 2025		Double Field Revolving Theory	2:00PM - 3:00 PM
Thursday, June 12, 2025		Quality Factor, Bandwidth of series RLC Circuit	1:30PM-2:30-PM
Friday, June 13, 2025		Parallel RLC Circuit and Resonance in parallel AC Circuit	1:30PM-2:30-PM
Saturday, June 14, 2025	**Electrical Resonance**	Bandwidth, Cutoff Frequencies and Variation of Voltages Across R/L/C with Frequency of parallel resonance circuit	1:30PM-2:30-PM
Monday, June 16, 2025		Methos of Solving Parallel AC Circuit	1:30PM-2:30-PM
Tuesday, June 17, 2025	**Parallel A.C Circuit**	Important Admittance in parallel AC Circuit	1:30PM-2:30-PM
Wednesday, June 18, 2025	**Three Phase Circuit**	Concept of Three phase Circuit - Star/Delta Connection and Power Relation	1:30PM-2:30-PM
Thursday, June 19, 2025		Basic of Magnetism	1:30PM-2:30-PM
Friday, June 20, 2025		Concept of Electromagnetism and Force on Current Carrying Conductor	1:30PM-2:30-PM
Saturday, June 21, 2025	**Magnetically Coupled Circuits**	Important terms of Magnetic Circuit	1:30PM-2:30-PM
Monday, June 23, 2025		B-H Curve and Hysteresis Loss	1:30PM-2:30-PM
Tuesday, June 24, 2025		Basic of Electromagnetic Induction-Self and mutual induction	1:30PM-2:30-PM
Wednesday, June 25, 2025	**Electromagnetic Induction**	Inductor in series and parallel with and without mutual inductance	1:30PM-2:30-PM
Thursday, June 26, 2025	**Chemical Effects of Electric Current**	Cells and Batteries	1:30PM-2:30-PM
Friday, June 27, 2025		Concept of Graph, Cut-set and Loops	1:30PM-2:30-PM
Saturday, June 28, 2025	**Network Topology (or) Graph Theory**	Concept of graph Theory	1:30PM-2:30-PM
Monday, June 30, 2025		Loop and Cut-set Analysis	1:30PM-2:30-PM
Tuesday, July 1, 2025		Impedance (Z) and Admittance (Y) Parameter	1:30PM-2:30-PM
Wednesday, July 2, 2025		Transmission (ABCD) , Hybrid (h), and Inverse Hybrid Parameter	1:30PM-2:30-PM
Thursday, July 3, 2025	**Two Port Networks**	Interconnection Two Port Networks	1:30PM-2:30-PM
Friday, July 4, 2025		Basic of Transient	1:30PM-2:30-PM
Saturday, July 5, 2025		Source Free Circuits (RL and RC)	1:30PM-2:30-PM
Monday, July 7, 2025		Source Free Circuits (series and parallel RLC)	1:30PM-2:30-PM
Tuesday, July 8, 2025		Step Response of First Order Circuits (RL and RC)	1:30PM-2:30-PM
Wednesday, July 9, 2025	**Transient Analysis**	Step Response of Second Order Circuits (Series and Parallel RLC)	1:30PM-2:30-PM
		END OF SUBJECT	

Monday, August 11, 2025		Making Single phase motor self Starting Equivalent Circuit	2:00PM - 3:00 PM
Tuesday, August 12, 2025		Single Phase Motor Starting	2:00PM - 3:00 PM
Wednesday, August 13, 2025		Special motor - PMDC, Hystersis Motor	2:00PM - 3:00 PM
Thursday, August 14, 2025		Special motor - Repulsion , Reluctance Motor	2:00PM - 3:00 PM
Friday, August 15, 2025		Special Motor-Stepper Motor , Universal Motor.	2:00PM - 3:00 PM
Saturday, August 16, 2025	**Single phase and Special Motor**	Special Motor -Shaded Pole Motor , Servo Motor	2:00PM - 3:00 PM
Monday, August 18, 2025		Introduction and Construction	2:00PM - 3:00 PM
Tuesday, August 19, 2025		Armature Winding	2:00PM - 3:00 PM
Wednesday, August 20, 2025		EMF equation & armature reaction	2:00PM - 3:00 PM
Thursday, August 21, 2025		Picth and Distribution Factor and Effect of Harmonics	2:00PM - 3:00 PM
Friday, August 22, 2025		Equivalent cricuit and voltage regulation	2:00PM - 3:00 PM
Saturday, August 23, 2025		Alternator Voltage Regulation-Synchronous Impedance Method and MMF Method	2:00PM - 3:00 PM
Monday, August 25, 2025		Alternator Voltage Regulation-Zero Power Factor Method	2:00PM - 3:00 PM
Tuesday, August 26, 2025		Power flow equation, two reaction theory	2:00PM - 3:00 PM
Wednesday, August 27, 2025		Operation and Phasor Diagram of Salient pole Synchronous Machine	2:00PM - 3:00 PM
Thursday, August 28, 2025		Synchrnous Power and Torque	2:00PM - 3:00 PM
Friday, August 29, 2025		Slip test & parallel operation	2:00PM - 3:00 PM
Saturday, August 30, 2025		Slip test & parallel operation	2:00PM - 3:00 PM
Monday, September 1, 2025		Effect of Excitation in Synchronous Machine	2:00PM - 3:00 PM
Tuesday, September 2, 2025		Synchrnous Power and Torque	2:00PM - 3:00 PM
Wednesday, September 3, 2025		Principle operation and Phasor Diagram of synchrnous Motor	2:00PM - 3:00 PM
Thursday, September 4, 2025		Hunting and Damper Winding	2:00PM - 3:00 PM
Friday, September 5, 2025		Effect of Excitation in Synchronous Machine	2:00PM - 3:00 PM
Saturday, September 6, 2025		Power Factor Correction by Synchronous Motor	2:00PM - 3:00 PM
Monday, September 8, 2025	**Alternator and syncrhronous machines**	Starting of Synchronous Motor	2:00PM - 3:00 PM
Tuesday, September 9, 2025	**MISC topics**	MISC topics	2:00PM - 3:00 PM
END OF SUBJECT			

Aayush SIR : UEE

Date	Chapter	Topic	Timing
Tuesday, September 9, 2025		Type of Motor and Characterstics	1:30PM-2:30-PM
Wednesday, September 10, 2025	**EIECTRICAL DRIVE**	Type of loads	1:30PM-2:30-PM
Thursday, September 11, 2025		System of electric traction and track electrification	1:30PM-2:30-PM
Friday, September 12, 2025		Speed-time curves for different services	1:30PM-2:30-PM
Saturday, September 13, 2025	**Traction**	Calculation of various quantities of Electrical Traction	1:30PM-2:30-PM
Monday, September 15, 2025	**Heating**	Methods of Electrical Heating	1:30PM-2:30-PM
Tuesday, September 16, 2025	**Welding**	Methods of Electrical Welding	1:30PM-2:30-PM
Wednesday, September 17, 2025		Introduction and terms used in Illumination	1:30PM-2:30-PM
Thursday, September 18, 2025		Discharge Lamps, MV and SV Lamps	1:30PM-2:30-PM
Friday, September 19, 2025	**Illumination Fundamental and Illumination Methods**	Basic Principle of Light Control , Types and design of lightning and flood lighting	1:30PM-2:30-PM
END OF SUBJECT			

Aayush SIR : Control system

Date	Chapter	Topic	Timing
Saturday, September 20, 2025		Basic of Control System	3:00 PM - 4:00 PM
Monday, September 22, 2025		Transfer Function Analysis of AC and DC servomotor	3:00 PM - 4:00 PM
Tuesday, September 23, 2025	**Basics of Control system**	Control system Representation	3:00 PM - 4:00 PM
Wednesday, September 24, 2025		Time Response Analysis Part-1	3:00 PM - 4:00 PM
Thursday, September 25, 2025	**Time Response Analysis**	Time Response Analysis Part-2	3:00 PM - 4:00 PM
Friday, September 26, 2025		Routh Hurwitz Criterion, Root Locus	3:00 PM - 4:00 PM
Saturday, September 27, 2025	**Stability Analysis**	Bode Plotting using semi log graph paper	3:00 PM - 4:00 PM
Sunday, September 28, 2025		Compensator	3:00 PM - 4:00 PM
Monday, September 29, 2025	**Controller and Compensator**	Controller	3:00 PM - 4:00 PM
END OF SUBJECT			