STUDY PLAN

Avinash sir - Electronics Devices			Ashish sir - Measurement and instrumentation		
Date	**Topic**	**Timing**	**Date**	**Topic**	**Timing**
Monday, November 17, 2025	Energy Band Diagram	4 PM - 5 PM	Recorded	Introduction to Electrical & Electronics Engineering Measurements	Recorded
Tuesday, November 18, 2025	Types of Semiconductor	4 PM - 5 PM	Recorded	Method of Measurement and Static Characteristics of Instruments	Recorded
Wednesday, November 19, 2025	Resistivity and Conductivity of Semiconductor	4 PM - 5 PM	Recorded	Static Characteristics of Instruments	Recorded
Thursday, November 20, 2025	Hall Effect	4 PM - 5 PM	Recorded	Dynamic Characteristics of Instruments	Recorded
Friday, November 21, 2025	Practice Questions	4 PM - 5 PM	Recorded	Error Analysis Part-1	Recorded
Monday, November 24, 2025	PN Junction Diodes	4 PM - 5 PM	Recorded	Error Analysis Part-2	Recorded
Tuesday, November 25, 2025	Characteristics of PN Junction Diodes	4 PM - 5 PM	Recorded	Error Analysis Part-3	Recorded
Wednesday, November 26, 2025	Transistion and Diffusion Capacacitance	4 PM - 5 PM	Recorded	Types of Dampings and torques Part-1	Recorded
Thursday, November 27, 2025	Zener Diode	4 PM - 5 PM	Recorded	Types of Dampings and torques Part-2	Recorded
Friday, November 28, 2025	Avalanche and Zener Breakdown	4 PM - 5 PM	Recorded	PMMC Part-1	Recorded
Monday, December 1, 2025	Rectifiers-1	4 PM - 5 PM	Recorded	PMMC Part-2	Recorded
Tuesday, December 2, 2025	Rectifiers-2	4 PM - 5 PM	Recorded	Rectifier type instruments	Recorded
Wednesday, December 3, 2025	Clippers	4 PM - 5 PM	Recorded	Ratio Meter & Megger	Recorded
Thursday, December 4, 2025	Clampers	4 PM - 5 PM	Recorded	Moving iron type instruments -1	Recorded
Friday, December 5, 2025	Practice Questions	4 PM - 5 PM	Recorded	Moving iron type instruments -2	Recorded
Monday, December 8, 2025	Transistors and Its working	4 PM - 5 PM	Recorded	Power factor meter, flux meter, Frequency meter	Recorded
Tuesday, December 9, 2025	Confuguration and Characteristics of Transistors	4 PM - 5 PM	Recorded	Measurement of Power-1	Recorded
Wednesday, December 10, 2025	Current Components in BJT	4 PM - 5 PM	Recorded	Measurement of Power-2	Recorded
Thursday, December 11, 2025	Early Effect	4 PM - 5 PM	Recorded	Energy meter -1	Recorded
Friday, December 12, 2025	Mode of Operation	4 PM - 5 PM	Recorded	Energy meter -2	Recorded
Monday, December 15, 2025	Applications of Transistor	4 PM - 5 PM	Recorded	Instrument transformers Part-1	Recorded
Tuesday, December 16, 2025	BJT amplifiers - 1	4 PM - 5 PM	Recorded	Instrument transformers Part-2	Recorded

Wednesday, December 17, 2025	BJT amplifiers - 2	4 PM - 5 PM		Recorded	CRO - 1	Recorded
Thursday, December 18, 2025	Power amplifiers	4 PM - 5 PM		Recorded	CRO - 2	Recorded
Friday, December 19, 2025	Sinusoidal Osciilator & Phase shift Oscillator	4 PM - 5 PM		Recorded	AC bridges=1	Recorded
Monday, December 22, 2025	Wien Bridge Oscillator	4 PM - 5 PM		Recorded	AC bridges=2	Recorded
Tuesday, December 23, 2025	Colpitts and Hartley Oscillators	4 PM - 5 PM		Recorded	Transducers Part-1	Recorded
Wednesday, December 24, 2025	Multivibrator - 1	4 PM - 5 PM		Recorded	Transducers Part-2	Recorded
Thursday, December 25, 2025	Multivibrator - 2	4 PM - 5 PM		END OF SUBJECT		
Friday, December 26, 2025	Practice Questions	4 PM - 5 PM		**Ashish SIR : Network Theory**		
Monday, December 29, 2025	Inverter and UPS	4 PM - 5 PM				
Tuesday, December 30, 2025	Working of Triode	4 PM - 5 PM		**Date**	**Topic**	**Timing**
Wednesday, December 31, 2025	Triode Circuits	4 PM - 5 PM		Recorded	Classification of Element	Recorded
END OF SUBJECT				Recorded	Circuit Element (R,L,C)	Recorded
Linear Integrated Circuits				Recorded	Classification of Source	Recorded
				Recorded	Ohm's Law and Kirchoff's Law	Recorded
Date	**Topic**	**Timing**		Recorded	Nodal Analysis and Source Transformation	Recorded
Monday, January 5, 2026	Introduction	4 PM - 5 PM		Recorded	Mesh Analysis	Recorded
Tuesday, January 6, 2026	Construction and Properties part-1	4 PM - 5 PM		Recorded	Current and Voltage Division Rule, Star-Delta Conversion	Recorded
Wednesday, January 7, 2026	Construction and Properties part-2	4 PM - 5 PM		Recorded	Equivalent Connection of Source and Tellegen's Theorem	Recorded
Thursday, January 8, 2026	Construction and Properties part-2	4 PM - 5 PM		Recorded	Thvenin's and Norton's Theorem	Recorded
Friday, January 9, 2026	Linear applications part-1	4 PM - 5 PM		Recorded	Maximum Power Transfer Theorem and Compensation Theorem	Recorded
Monday, January 12, 2026	Linear applications part-2	4 PM - 5 PM		Recorded	Superposition Theorem and Substitution Theorem	Recorded
Tuesday, January 13, 2026	Non Linear applications part-1	4 PM - 5 PM		Recorded	Millliman's Theorem and Reciprocity Theorem	Recorded
Wednesday, January 14, 2026	Non Linear applications part-2	4 PM - 5 PM		Recorded	Alternating Voltage and Current	Recorded
Thursday, January 15, 2026	Voltage regulators	4 PM - 5 PM		Recorded	Why Sine Waveform? Generation of Alernating Volatge and Current	Recorded
Friday, January 16, 2026	Miscellaneous	4 PM - 5 PM		Recorded	Important AC terminology	Recorded
Monday, January 19, 2026	Introduction	4 PM - 5 PM		Recorded	Complex Waveform and Phasor Representation of Sinusoidal Quantities	Recorded

Tuesday, January 20, 2026	Question on Timers	4 PM - 5 PM		Recorded	AC Circuit containing Pure R (or) L (or) C Only	Recorded
Wednesday, January 21, 2026	Phase loked loop	4 PM - 5 PM		Recorded	R-L Series A.C. Circuit	Recorded
END OF SUBJECT				Recorded	R-C Series A.C Circuit	Recorded
Data Communication and Network				Recorded	R-L-C Series A.C Circuit and Resonance in series AC Circuit	Recorded
				Recorded	Variation of Voltages Across R/L/C with Frequency	Recorded
				Recorded	Quality Factor, Bandwidth of series RLC Circuit	Recorded
Date	**Topic**	**Timing**		Recorded	Parallel RLC Circuit and Resonance in parallel AC Circuit	Recorded
Monday, January 26, 2026	Data Communication	Recorded		Recorded	Bandwidth, Cutoff Frequencies and Variation of Voltages Across R/L/C with Frequency of parallel resonance circuit	Recorded
Tuesday, January 27, 2026	Hardware and interface - 1	Recorded		Recorded	Methos of Solving Parallel AC Circuit	Recorded
Wednesday, January 28, 2026	Hardware and interface - 2	Recorded		Recorded	Important Admittance in parallel AC Circuit	Recorded
Thursday, January 29, 2026	OSI layers	Recorded		Recorded	Concept of Three phase Circuit - Star/Delta Connection and Power Relation	Recorded
Friday, January 30, 2026	LAN, MAN, WAN	Recorded		Recorded	Basic of Magnetism	Recorded
Monday, February 2, 2026	Network Topologies	Recorded		Recorded	Concept of Electromagnetism and Force on Current Carrying Cunductor	Recorded
Tuesday, February 3, 2026	Objective Questions	Recorded		Recorded	Important terms of Magnetic Circuit	Recorded
Wednesday, February 4, 2026	Ethernet	Recorded		Recorded	B-H Curve and Hystersis Loss	Recorded
Thursday, February 5, 2026	IP addresses	Recorded		Recorded	Basic of Electromagnetic Induction-Self and mutual induction	Recorded
Friday, February 6, 2026	internet working	Recorded		Recorded	Inductor in series and parallel with and without mutual inductance	Recorded
END OF SUBJECT				Recorded	Cells and Batteries	Recorded
Communication Engineering				Recorded	Concept of Graph, Cut-set and Loops	Recorded
				Recorded	Concept of graph Theory	Recorded
				Recorded	Loop and Cut-set Analysis	Recorded
Date	**Topic**	**Timing**		Recorded	Impedance (Z) and Admittance (Y) Parameter	Recorded
Recorded	Introduction	Recorded		Recorded	Transmission (ABCD) , Hybrid (h), and Inverse Hybrid Parameter	Recorded
Recorded	Modulation requirements	Recorded		Recorded	Interconnection Two Port Networks	Recorded
Recorded	Amplitude modulation part-1	Recorded		Recorded	Basic of Transient	Recorded
Recorded	Amplitude modulation part-2	Recorded		Recorded	Source Free Circuits (RL and RC)	Recorded
Recorded	Amplitude modulation part-2	Recorded		Recorded	Source Free Circuits (series and parallel RLC)	Recorded

Recorded	DSBSC Modulation and demodulation	Recorded	Recorded	Step Response of First Order Circuits (RL and RC)	Recorded
Recorded	SSB SC Modulation and demodulation	Recorded	Recorded	Step Response of Second Order Circuits (Series and Parallel RLC)	Recorded
Recorded	VSB modulation and demodulation	Recorded	**Microprocessor & Microcontroller**		
Recorded	Practice Questions	Recorded			
Recorded	Introduction	Recorded			
Recorded	Phase and frequency modulation parameters	Recorded	**Date**	**Topic**	**Timing**
Recorded	Modulation and demodulation techniques	Recorded	Recorded	Microprocessor-1	Recorded
Recorded	Recievers part-1	Recorded	Recorded	Microprocessor-2	Recorded
Recorded	Recievers part-2	Recorded	Recorded	Microprocessor-3	Recorded
Recorded	Recievers part-3	Recorded	Recorded	Microprocessor-4	Recorded
Recorded	Block Diagram of PCM	Recorded	Recorded	Microprocessor-5	Recorded
Recorded	Sampling criteria	Recorded	Recorded	Microprocessor-6	Recorded
Recorded	Quantization	Recorded	Recorded	Microprocessor-7	Recorded
Recorded	Intersymbol interference	Recorded	Recorded	Microprocessor-8	Recorded
Recorded	Frequency division multiplexing	Recorded	Recorded	Microprocessor-9	Recorded
Recorded	Time division multiplexing	Recorded	Recorded	Microprocessor-10	Recorded
Recorded	Wave Propagation - 1	Recorded	**Ashish Sir : Control system**		
Recorded	Wave Propagation - 2	Recorded			
Recorded	Equivalent Circuit of TL	Recorded			
Recorded	Lossless and distortionless TL	Recorded	**Date**	**Topic**	**Timing**
Recorded	Input impedance of TL	Recorded	Recorded	Basic of Control System	3:00 PM - 4:00 PM
Recorded	Reflection coefficient and VSWR	Recorded	Recorded	Transfer Function Analysis of AC and DC servomotor	3:00 PM - 4:00 PM
Recorded	Practice Questions	Recorded	Recorded	Control system Representation	3:00 PM - 4:00 PM
Recorded	Smith Chart	Recorded	Recorded	Time Response Analysis Part-1	3:00 PM - 4:00 PM
Recorded	Radar range equation	Recorded	Recorded	Time Response Analysis Part-2	3:00 PM - 4:00 PM
Recorded	Satellite Communication - 1	Recorded	Recorded	Routh Hurwitz Criterion, Root Locus	3:00 PM - 4:00 PM
Recorded	Satellite Communication - 2	Recorded	Recorded	Bode Plotting using semi log graph paper	3:00 PM - 4:00 PM

Recorded	Cellular Communication - 1	Recorded		Recorded	Compensator	3:00 PM - 4:00 PM
Recorded	Cellular Communication - 2	Recorded		Recorded	Controller	3:00 PM - 4:00 PM
Digital Electronics						
Date	**Topic**	**Timing**				
Recorded	**Orientation**	Recorded				
Recorded	Introduction to Number systems	Recorded				
Recorded	Addition in different base	Recorded				
Recorded	Subtraction in Different Base	Recorded				
Recorded	Complements	Recorded				
Recorded	Interconversions part-1	Recorded				
Recorded	Interconversions part-2	Recorded				
Recorded	Binary Codes,BCD	Recorded				
Recorded	Excess-3 and Gray Codes	Recorded				
Recorded	Practice Questions	Recorded				
Recorded	Axioms and Operations	Recorded				
Recorded	Laws of Boolean Algebra	Recorded				
Recorded	SOP and POS representation part-1	Recorded				
Recorded	SOP and POS representation part-2	Recorded				
Recorded	Basic Gates	Recorded				
Recorded	Special Gates	Recorded				
Recorded	Universal Gates	Recorded				
Recorded	Circuits of Gates	Recorded				
Recorded	Adders	Recorded				
Recorded	Subtractors	Recorded				
Recorded	Multiplexers part-1	Recorded				

Recorded	Multiplexers part-2	Recorded				
Recorded	Demultiplexers and Decoders	Recorded				
Recorded	Practice Questions	Recorded				
Recorded	Introduction to flip flops	Recorded				
Recorded	Different types of Flip flops	Recorded				
Recorded	Counters Basics	Recorded				
Recorded	Counters Basics	Recorded				
Recorded	Practice Questions	Recorded				
Recorded	A/D Convertors	Recorded				
Recorded	D/A Convertors	Recorded				
Recorded	Practice Questions	Recorded				
Recorded	Memories	Recorded				