

## STUDY PLAN

Communication Engineering			Ashish sir - Measurement and instrumentation		
			Date	Topic	Timing
			Recorded	Introduction to Electrical & Electronics Engineering Measurements	Recorded
<b>Date</b>	<b>Topic</b>	<b>Timing</b>	Recorded	Error Analysis Part-1	Recorded
Tuesday, January 13, 2026	Introduction	Recorded	Recorded	Error Analysis Part-2	Recorded
Wednesday, January 14, 2026	Modulation requirements	Recorded	Recorded	Types of Dampings and torques	Recorded
Thursday, January 15, 2026	Amplitude modulation part-1	Recorded	Recorded	PMMC	Recorded
Friday, January 16, 2026	Amplitude modulation part-2	Recorded	Recorded	Rectifier type instruments	Recorded
Monday, January 19, 2026	Amplitude modulation part-2	Recorded	Recorded	Moving iron type instruments -1	Recorded
Tuesday, January 20, 2026	DSBSC Modulation and demodulation	Recorded	Recorded	Moving iron type instruments -2	Recorded
Wednesday, January 21, 2026	SSB SC Modulation and demodulation	Recorded	Recorded		Recorded
Thursday, January 22, 2026	VSB modulation and demodulation	Recorded	Recorded	Power factor meter, flux meter, Frequency meter	Recorded
Friday, January 23, 2026	Practice Questions	Recorded	Recorded	Measurement of Power-1	Recorded
Monday, January 26, 2026	Introduction	Recorded	Recorded	Measurement of Power-2	Recorded
Tuesday, January 27, 2026	Phase and frequency modulation parameters	Recorded	Recorded	Energy meter -1	Recorded
Wednesday, January 28, 2026	Modulation and demodulation techniques	Recorded	Recorded	Energy meter -2	Recorded
Thursday, January 29, 2026	Recievers part-1	Recorded	Recorded	Instrument transformers Part-1	Recorded
Friday, January 30, 2026	Recievers part-2	Recorded	Recorded	Instrument transformers Part-2	Recorded
Monday, February 2, 2026	Recievers part-3	Recorded	Recorded	CRO - 1	Recorded
Tuesday, February 3, 2026	Block Diagram of PCM	Recorded	Recorded	CRO - 2	Recorded
Wednesday, February 4, 2026	Sampling criteria	Recorded	Recorded	AC bridges 1	Recorded
Thursday, February 5, 2026	Quantization	Recorded	Recorded	AC bridges 2	Recorded
Friday, February 6, 2026	Intersymbol interference	Recorded	END OF SUBJECT		

Monday, February 9, 2026		Frequency division multiplexing		Recorded	Ashish Sir - Network Theory					
Date	Topic	Timing								
Tuesday, February 10, 2026	Time division multiplexing	Recorded								
Wednesday, February 11, 2026	Wave Propagation - 1	Recorded	Recorded		Electric Potential					
Thursday, February 12, 2026	Wave Propagation - 2	Recorded	Recorded		Ohms law, Concept of Resistance					
Friday, February 13, 2026	Equivalent Circuit of TL	Recorded	Recorded		Types Of Circuit Elements					
Monday, February 16, 2026	Lossless and distortionless TL	Recorded	Recorded		Concept of Inductor					
Tuesday, February 17, 2026	Input impedance of TL	Recorded	Recorded		Concept of Capacitance & Laplace transforms					
Wednesday, February 18, 2026	Reflection coefficient and VSWR	Recorded	Recorded		Some Functions & Their Laplace Transforms					
Thursday, February 19, 2026	Practice Questions	Recorded	Recorded		Resistance in Series and Parallel & Star Delta conversion					
Friday, February 20, 2026	Smith Chart	Recorded	Recorded		Capacitance in Series and Parallel					
Monday, February 23, 2026	Radar range equation	Recorded	Recorded		KVL and KCL					
Tuesday, February 24, 2026	Satellite Communication - 1	Recorded	Recorded		Question Practice Session					
Wednesday, February 25, 2026	Satellite Communication - 2	Recorded	Recorded		Questions Practice Session					
Thursday, February 26, 2026	Cellular Communication - 1	Recorded	Recorded		Network Theorem					
Friday, February 27, 2026	Cellular Communication - 2	Recorded	Recorded		(Superposition Theorem)					
Linear Integrated Circuits		Recorded		Thevenin's, Nortons Theorem						
		Recorded		Maximum Power Transfer Theorem						
		Recorded		Tellegen's, Millman's & Reciprocity Theorem						
Date	Topic	Timing	Recorded	AC Fundamentals						
Recorded	Introduction	Recorded	Recorded	Series Resonance						
Recorded	Construction and Properties part-1	Recorded	Recorded	Parallel Resonance						
Recorded	Construction and Properties part-2	Recorded	Recorded	Performance Parameters of Series and Parallel Resonance						
Recorded	Construction and Properties part-2	Recorded	Recorded	Average & RMS values of difference waveforms						
Recorded	Linear applications part-1	Recorded	Recorded	Two Port Networks & Graph Theory						
Recorded	Linear applications part-2	Recorded	Recorded	Graph Theory and Questions						
Recorded	Non Linear applications part-1	Recorded	Recorded	Poly phase Network						

Recorded	Non Linear applications part-2	Recorded	Recorded	Poly phase Network	Recorded
Recorded	Voltage regulators	Recorded	Recorded	Power Triangle, impedance Triangle, charging and discharging of Inductor and Capacitor	Recorded
Recorded	Miscellaneous	Recorded			
Recorded	Introduction	Recorded		<b>Microprocessor &amp; Microcontroller</b>	
Recorded	Question on Timers	Recorded			
Recorded	Phase loked loop	Recorded	Date	Topic	Timing
<b>END OF SUBJECT</b>			Recorded	Microprocessor-1	Recorded
<b>Data Communication and Network</b>			Recorded	Microprocessor-2	Recorded
<b>Data Communication and Network</b>			Recorded	Microprocessor-3	Recorded
<b>Data Communication and Network</b>			Recorded	Microprocessor-4	Recorded
Date	Topic	Timing	Recorded	Microprocessor-5	Recorded
Recorded	Data Communication	Recorded	Recorded	Microprocessor-6	Recorded
Recorded	Hardware and interface - 1	Recorded	Recorded	Microprocessor-7	Recorded
Recorded	Hardware and interface - 2	Recorded	Recorded	Microprocessor-8	Recorded
Recorded	OSI layers	Recorded	Recorded	Microprocessor-9	Recorded
Recorded	LAN, MAN, WAN	Recorded	Recorded	Microprocessor-10	Recorded
Recorded	Network Topologies	Recorded	<b>Digital Electronics</b>		
Recorded	Objective Questions	Recorded	Date	Topic	Timing
Recorded	Ethernet	Recorded	Recorded	Orientation	Recorded
Recorded	IP addresses	Recorded	Recorded	Introduction to Number systems	Recorded
Recorded	internet working	Recorded	Recorded	Addition in different base	Recorded
<b>END OF SUBJECT</b>			Recorded	Subtraction in Different Base	Recorded
<b>Ashish Sir : Control system</b>			Recorded	Complements	Recorded
<b>Ashish Sir : Control system</b>			Recorded	Interconversions part-1	Recorded
<b>Ashish Sir : Control system</b>			Recorded	Interconversions part-2	Recorded
Date	Topic	Timing	Recorded	Binary Codes,BCD	Recorded

Recorded	Basic of Control System	Recorded	Recorded	Excess-3 and Gray Codes	Recorded
Recorded	Transfer Function Analysis of AC and DC servomotor	Recorded	Recorded	Practice Questions	Recorded
Recorded	Control system Representation	Recorded	Recorded	Axioms and Operations	Recorded
Recorded	Time Response Analysis Part-1	Recorded	Recorded	Laws of Boolean Algebra	Recorded
Recorded	Time Response Analysis Part-2	Recorded	Recorded	SOP and POS representation part-1	Recorded
Recorded	Routh Hurwitz Criterion, Root Locus	Recorded	Recorded	SOP and POS representation part-2	Recorded
Recorded	Bode Plotting using semi log graph paper	Recorded	Recorded	Basic Gates	Recorded
Recorded	Compensator	Recorded	Recorded	Special Gates	Recorded
Recorded	Controller	Recorded	Recorded	Universal Gates	Recorded
<b>Avinash sir - Electronics Devices</b>			Recorded	Circuits of Gates	Recorded
Date	Topic	Timing	Recorded	Adders	Recorded
Recorded	Energy Band Diagram	Recorded	Recorded	Subtractors	Recorded
Recorded	Types of Semiconductor	Recorded	Recorded	Multiplexers part-1	Recorded
Recorded	Resistivity and Conductivity of Semiconductor	Recorded	Recorded	Multiplexers part-2	Recorded
Recorded	Hall Effect	Recorded	Recorded	Demultiplexers and Decoders	Recorded
Recorded	Practice Questions	Recorded	Recorded	Practice Questions	Recorded
Recorded	PN Junction Diodes	Recorded	Recorded	Introduction to flip flops	Recorded
Recorded	Characteristics of PN Junction Diodes	Recorded	Recorded	Different types of Flip flops	Recorded
Recorded	Transistion and Diffusion Capacitance	Recorded	Recorded	Counters Basics	Recorded
Recorded	Zener Diode	Recorded	Recorded	Counters Basics	Recorded
Recorded	Avalanche and Zener Breakdown	Recorded	Recorded	Practice Questions	Recorded
Recorded	Rectifiers-1	Recorded	Recorded	A/D Convertors	Recorded
Recorded	Rectifiers-2	Recorded	Recorded	D/A Convertors	Recorded
Recorded	Clippers	Recorded	Recorded	Practice Questions	Recorded
Recorded	Clampers	Recorded	Recorded	Memories	Recorded
Recorded	Practice Questions	Recorded			

Recorded	Transistors and Its working	Recorded				
Recorded	Configuration and Characteristics of Transistors	Recorded				
Recorded	Current Components in BJT	Recorded				
Recorded	Early Effect	Recorded				
Recorded	Mode of Operation	Recorded				
Recorded	Applications of Transistor	Recorded				
Recorded	BJT amplifiers - 1	Recorded				
Recorded	BJT amplifiers - 2	Recorded				
Recorded	Power amplifiers	Recorded				
Recorded	Sinusoidal Oscillator & Phase shift Oscillator	Recorded				
Recorded	Wien Bridge Oscillator	Recorded				
Recorded	Colpitts and Hartley Oscillators	Recorded				
Recorded	Multivibrator - 1	Recorded				
Recorded	Multivibrator - 2	Recorded				
Recorded	Practice Questions	Recorded				
Recorded	Inverter and UPS	Recorded				
Recorded	Working of Triode	Recorded				
Recorded	Triode Circuits	Recorded				