

## STUDY PLAN

Linear Integrated Circuits			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
Recorded	Introduction	Recorded	Recorded	Error Analysis Part-2	Recorded
Recorded	Construction and Properties part-1	Recorded	Recorded	Types of Dampings and torques	Recorded
Recorded	Construction and Properties part-2	Recorded	Recorded	PMMC	Recorded
Recorded	Construction and Properties part-2	Recorded	Recorded	Rectifier type instruments	Recorded
Recorded	Linear applications part-1	Recorded	Recorded	Moving iron type instruments -1	Recorded
Recorded	Linear applications part-2	Recorded	Recorded	Moving iron type instruments -2	Recorded
Recorded	Non Linear applications part-1	Recorded	Recorded		Recorded
Recorded	Non Linear applications part-2	Recorded	Recorded	Power factor meter, flux meter, Frequency meter	Recorded
Recorded	Voltage regulators	Recorded	Recorded	Measurement of Power-1	Recorded
Recorded	Miscellaneous	Recorded	Recorded	Measurement of Power-2	Recorded
Recorded	Introduction	Recorded	Recorded	Energy meter -1	Recorded
Recorded	Question on Timers	Recorded	Recorded	Energy meter -2	Recorded
Recorded	Phase locked loop	Recorded	Recorded	Instrument transformers Part-1	Recorded
END OF SUBJECT			Recorded	Instrument transformers Part-2	Recorded
Data Communication and Network			Recorded	CRO - 1	Recorded
			Recorded	CRO - 2	Recorded
			Recorded	AC bridges 1	Recorded
<b>Date</b>	<b>Topic</b>	<b>Timing</b>	Recorded	AC bridges 2	Recorded
Recorded	Data Communication	Recorded	END OF SUBJECT		

Recorded	Hardware and interface - 1	Recorded	<b>Ashish Sir - Network Theory</b>		
Recorded	Hardware and interface - 2	Recorded	<b>Date</b>	<b>Topic</b>	<b>Timing</b>
Recorded	OSI layers	Recorded	Recorded	Electric Potential	Recorded
Recorded	LAN, MAN, WAN	Recorded	Recorded	Ohms law, Concept of Resistance	Recorded
Recorded	Network Topologies	Recorded	Recorded	Types Of Circuit Elements	Recorded
Recorded	Objective Questions	Recorded	Recorded	Concept of Inductor	Recorded
Recorded	Ethernet	Recorded	Recorded	Concept of Capacitance & Laplace transforms	Recorded
Recorded	IP addresses	Recorded	Recorded	Some Functions & Their Laplace Transforms	Recorded
Recorded	internet working	Recorded	Recorded	Resistance in Series and Parallel & Star Delta conversion	Recorded
<b>END OF SUBJECT</b>			Recorded	Capacitance in Series and Parallel	Recorded
<b>Communication Engineering</b>			Recorded	KVL and KCL	Recorded
			Recorded	Question Practice Session	Recorded
			Recorded	Questions Practice Session	Recorded
<b>Date</b>	<b>Topic</b>	<b>Timing</b>	Recorded	Network Theorem	Recorded
Recorded	Introduction	Recorded	Recorded	(Superposition Theorem)	Recorded
Recorded	Modulation requirements	Recorded	Recorded	Thevenin's, Nortons Theorem	Recorded
Recorded	Amplitude modulation part-1	Recorded	Recorded	Maximum Power Transfer Theorem	Recorded
Recorded	Amplitude modulation part-2	Recorded	Recorded	Tellegen's, Milliman's & Reciprocity Theorem	Recorded
Recorded	Amplitude modulation part-2	Recorded	Recorded	AC Fundamentals	Recorded
Recorded	DSBSC Modulation and demodulation	Recorded	Recorded	Series Resonance	Recorded
Recorded	SSB SC Modulation and demodulation	Recorded	Recorded	Parallel Resonance	Recorded
Recorded	VSB modulation and demodulation	Recorded	Recorded	Performance Parameters of Series and Parallel Resonance	Recorded
Recorded	Practice Questions	Recorded	Recorded	Average & RMS values of difference waveforms	Recorded
Recorded	Introduction	Recorded	Recorded	Two Port Networks & Graph Theory	Recorded
Recorded	Phase and frequency modulation parameters	Recorded	Recorded	Graph Theory and Questions	Recorded
Recorded	Modulation and demodulation techniques	Recorded	Recorded	Poly phase Network	Recorded

Recorded	Recievers part-1	Recorded	Recorded	Poly phase Network	Recorded
Recorded	Recievers part-2	Recorded	Recorded	Power Triangle, impedance Triangle, charging and discharging of Inductor and Capacitor	Recorded
Recorded	Recievers part-3	Recorded	<b>Microprocessor &amp; Microcontroller</b>		
Recorded	Block Diagram of PCM	Recorded			
Recorded	Sampling criteria	Recorded			
Recorded	Quantization	Recorded			
Recorded	Intersymbol interference	Recorded	Recorded	Microprocessor-1	Recorded
Recorded	Frequency division multiplexing	Recorded	Recorded	Microprocessor-2	Recorded
Recorded	Time division multiplexing	Recorded	Recorded	Microprocessor-3	Recorded
Recorded	Wave Propagation - 1	Recorded	Recorded	Microprocessor-4	Recorded
Recorded	Wave Propagation - 2	Recorded	Recorded	Microprocessor-5	Recorded
Recorded	Equivalent Circuit of TL	Recorded	Recorded	Microprocessor-6	Recorded
Recorded	Lossless and distortionless TL	Recorded	Recorded	Microprocessor-7	Recorded
Recorded	Input impedance of TL	Recorded	Recorded	Microprocessor-8	Recorded
Recorded	Reflection coefficient and VSWR	Recorded	Recorded	Microprocessor-9	Recorded
Recorded	Practice Questions	Recorded	Recorded	Microprocessor-10	Recorded
Recorded	Smith Chart	Recorded	<b>Digital Electronics</b>		
Recorded	Radar range equation	Recorded	<b>Date</b>	<b>Topic</b>	<b>Timing</b>
Recorded	Satellite Communication - 1	Recorded	Recorded	<b>Orientation</b>	Recorded
Recorded	Satellite Communication - 2	Recorded	Recorded	Introduction to Number systems	Recorded
Recorded	Cellular Communication - 1	Recorded	Recorded	Addition in different base	Recorded
Recorded	Cellular Communication - 2	Recorded	Recorded	Subtraction in Different Base	Recorded
<b>Ashish Sir : Control system</b>			Recorded	Complements	Recorded
			Recorded	Interconversions part-1	Recorded
			Recorded	Interconversions part-2	Recorded
<b>Date</b>	<b>Topic</b>	<b>Timing</b>	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
<b>Date</b>	<b>Topic</b>	<b>Timing</b>	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	Confuguration 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			