

STUDY PLAN

Ashish sir Electronics Component			Digital Electronics			Ashish sir Measurement and instrumentation		
Date	Title	Timing	Date	Topic	Timing	Date	Topic	Timing
Tuesday, September 2, 2025	Electronics Component-1	2:00 PM- 3:30 PM	Recorded	Introduction to Number systems	Recorded	Monday, October 20, 2025	Methods of measurements, type of instruments	5:00PM 6:30PM
Wednesday, September 3, 2025	Electronics Component-2	2:00 PM- 3:30 PM	Recorded	Addition in different base	Recorded	Tuesday, October 21, 2025	Basic Characteristics of an Instrument & Error Analysis	5:00PM 6:30PM
Thursday, September 4, 2025	Electronics Component-3	2:00 PM- 3:30 PM	Recorded	Subtraction in Different Base	Recorded	Wednesday, October 22, 2025	Types of Deflection, Damping and Controlling Torque	5:00PM 6:30PM
Friday, September 5, 2025	Electronics Component-4	2:00 PM- 3:30 PM	Recorded	Complements	Recorded	Thursday, October 23, 2025	classification of analog instruments, mcq	5:00PM 6:30PM
Monday, September 8, 2025	Electronics Component-5	2:00 PM- 3:30 PM	Recorded	Interconversions part-1	Recorded	Friday, October 24, 2025	Basic Galvanometer, PMMC & MI instruments	5:00PM 6:30PM
Tuesday, September 9, 2025	Types of Component-1	2:00 PM- 3:30 PM	Recorded	Interconversions part-2	Recorded	Monday, October 27, 2025	Electrodynamic instruments	5:00PM 6:30PM
Wednesday, September 10, 2025	Types of Component-2	2:00 PM- 3:30 PM	Recorded	Binary Codes,BCD	Recorded	Tuesday, October 28, 2025	Thermal instruments electrostatic instruments rectifier type	5:00PM 6:30PM
Thursday, September 11, 2025	Types of Component-3	2:00 PM- 3:30 PM	Recorded	Excess-3 and Gray Codes	Recorded	Wednesday, October 29, 2025	Requirement of Range Extension and Basic DC Ammeter & Voltmeter	5:00PM 6:30PM
Friday, September 12, 2025	Types of Component-4	2:00 PM- 3:30 PM	Recorded	Practice Questions	Recorded	Thursday, October 30, 2025	Loading Effect Due to Voltmeter Resistance	5:00PM 6:30PM
Monday, September 15, 2025	Types of Component-5	2:00 PM- 3:30 PM	Recorded	Axioms and Operations	Recorded	Friday, October 31, 2025	Property , materials, measurements of low resistance	5:00PM 6:30PM
Tuesday, September 16, 2025	Functions of Components-1	2:00 PM- 3:30 PM	Recorded	Laws of Boolean Algebra	Recorded	Monday, November 3, 2025	Measurements of medium resistance	5:00PM 6:30PM
Wednesday, September 17, 2025	Functions of Components-2	2:00 PM- 3:30 PM	Recorded	SOP and POS representation part-1	Recorded	Tuesday, November 4, 2025	Measurements of high resistance	5:00PM 6:30PM
Thursday, September 18, 2025	Functions of Components-3	2:00 PM- 3:30 PM	Recorded	SOP and POS representation part-2	Recorded	Wednesday, November 5, 2025	Measurements of inductance-1	5:00PM 6:30PM
Friday, September 19, 2025	Functions of Components-4	2:00 PM- 3:30 PM	Recorded	Basic Gates	Recorded	Thursday, November 6, 2025	Measurements of inductance-2	5:00PM 6:30PM
Monday, September 22, 2025	Functions of Components-5	2:00 PM- 3:30 PM	Recorded	Special Gates	Recorded	Friday, November 7, 2025	Capacitance and special bridges	5:00PM 6:30PM
Tuesday, September 23, 2025	Doubt Session	2:00 PM- 3:30 PM	Recorded	Universal Gates	Recorded	Monday, November 10, 2025	DC and AC power,introduction to wattmeter	5:00PM 6:30PM
Wednesday, September 24, 2025	Practice Class -1	2:00 PM- 3:30 PM	Recorded	Circuits of Gates	Recorded	Tuesday, November 11, 2025	Blondel theorem , two WM method, Single WM method	5:00PM 6:30PM
Thursday, September 25, 2025	Practice Class -2	2:00 PM- 3:30 PM	Recorded	Adders	Recorded	Wednesday, November 12, 2025	Errors in Wattmeter	5:00PM 6:30PM
Friday, September 26, 2025	Practice Class -3	2:00 PM- 3:30 PM	Recorded	Subtractors	Recorded	Thursday, November 13, 2025	Induction Type Energy Meter	5:00PM 6:30PM
Saturday, September 27, 2025	Practice Class -4	2:00 PM- 3:30 PM	Recorded	Multiplexers part-1	Recorded	Friday, November 14, 2025	Measurement of Frequency	5:00PM 6:30PM

Saket Verma :1. Electronics Devices			Recorded	Multiplexers part-2	Recorded	Monday, November 17, 2025	Measurement of Power Factor	5:00PM 6:30PM
Date	Topic	Timing	Recorded	Demultiplexers and Decoders	Recorded	Tuesday, November 18, 2025	Basics and construction of CRO	5:00PM 6:30PM
Monday, September 29, 2025	Energy Band Diagram	2:00 PM- 3:30 PM	Recorded	Practice Questions	Recorded	Wednesday, November 19, 2025	Measurement of phase and frequency	5:00PM 6:30PM
Tuesday, September 30, 2025	Types of Semiconductor	2:00 PM- 3:30 PM	Recorded	Introduction to flip flops	Recorded	Thursday, November 20, 2025	Operation modes of CRO and Special CRO	5:00PM 6:30PM
Wednesday, October 1, 2025	Resistivity and Conductivity of Semiconductor	2:00 PM- 3:30 PM	Recorded	Different types of Flip flops	Recorded	Friday, November 21, 2025	AC Potentiometers	5:00PM 6:30PM
Thursday, October 2, 2025	Hall Effect	2:00 PM- 3:30 PM	Recorded	Counters Basics	Recorded	Monday, November 24, 2025	Basic Potentiometer Circuit & Grompton's Potentiometer Circuit	5:00PM 6:30PM
Friday, October 3, 2025	Practice Questions	2:00 PM- 3:30 PM	Recorded	Counters Basics	Recorded	Tuesday, November 25, 2025	Strain gauges, LVDT, RTD, thermistor and pyrometer	5:00PM 6:30PM
Monday, October 6, 2025	PN Junction Diodes	2:00 PM- 3:30 PM	Recorded	Practice Questions	Recorded	Wednesday, November 26, 2025	Construction, principle, application of Q-meter	5:00PM 6:30PM
Tuesday, October 7, 2025	Characteristics of PN Junction Diodes	2:00 PM- 3:30 PM	Recorded	A/D Convertors	Recorded	Thursday, November 27, 2025	CT & PT and Burden of Instrument Transformer	5:00PM 6:30PM
Wednesday, October 8, 2025	Transistion and Diffusion Capacitance	2:00 PM- 3:30 PM	Recorded	D/A Convertors	Recorded	Friday, November 28, 2025	basic of DVM and its Extension, Type of DVM	5:00PM 6:30PM
Thursday, October 9, 2025	Zener Diode	2:00 PM- 3:30 PM	Recorded	Practice Questions	Recorded	Monday, December 1, 2025	basic of Electronic AC Voltmeter and its principle operation	5:00PM 6:30PM
Friday, October 10, 2025	Avalanche and Zener Breakdown	2:00 PM- 3:30 PM	Recorded	Memories	Recorded	Tuesday, December 2, 2025	Type of Electronic AC Voltmeters	5:00PM 6:30PM
Monday, October 13, 2025	Rectifiers-1	2:00 PM- 3:30 PM	Linear Integrated Circuits			Wednesday, December 3, 2025	Live doubt and miscellaneous-1	5:00PM 6:30PM
Tuesday, October 14, 2025	Rectifiers-2	2:00 PM- 3:30 PM	Date	Topic	Timing	Thursday, December 4, 2025	Live doubt and miscellaneous-2	5:00PM 6:30PM
Wednesday, October 15, 2025	Clippers	2:00 PM- 3:30 PM	Recorded	Introduction	Recorded	Friday, December 5, 2025	Live doubt and miscellaneous-3	5:00PM 6:30PM
Thursday, October 16, 2025	Clampers	2:00 PM- 3:30 PM	Recorded	Construction and Properties part-1	Recorded	Basic Electronics		
Friday, October 17, 2025	Practice Questions	2:00 PM- 3:30 PM	Recorded	Construction and Properties part-2	Recorded	Date	Topic	Timing
Monday, October 20, 2025	Transistors and Its working	2:00 PM- 3:30 PM	Recorded	Construction and Properties part-2	Recorded	Tuesday, October 21, 2025	Orientation	4:00PM - 5:00PM
Tuesday, October 21, 2025	Confuguration and Characteristics of Transistors	2:00 PM- 3:30 PM	Recorded	Linear applications part-1	Recorded	Wednesday, October 22, 2025	Introduction to Number systems	4:00PM - 5:00PM
Wednesday, October 22, 2025	Current Components in BJT	2:00 PM- 3:30 PM	Recorded	Linear applications part-2	Recorded	Thursday, October 23, 2025	Addition in different base	4:00PM - 5:00PM
Thursday, October 23, 2025	Early Effect	2:00 PM- 3:30 PM	Recorded	Non Linear applications part-1	Recorded	Friday, October 24, 2025	Subtraction in Different Base	4:00PM - 5:00PM
Friday, October 24, 2025	Mode of Operation	2:00 PM- 3:30 PM	Recorded	Non Linear applications part-2	Recorded	Monday, October 27, 2025	Complements	4:00PM - 5:00PM
Monday, October 27, 2025	Applications of Transistor	2:00 PM- 3:30 PM	Recorded	Voltage regulators	Recorded	Tuesday, October 28, 2025	Interconversions part-1	4:00PM - 5:00PM
Tuesday, October 28, 2025	BJT amplifiers - 1	2:00 PM- 3:30 PM	Recorded	Miscellaneous	Recorded	Wednesday, October 29, 2025	Interconversions part-2	4:00PM - 5:00PM

Wednesday, October 29, 2025	BJT amplifiers - 2	2:00 PM- 3:30 PM	Recorded	Introduction	Recorded	Thursday, October 30, 2025	Binary Codes,BCD	4:00PM - 5:00PM
Thursday, October 30, 2025	Power amplifiers	2:00 PM- 3:30 PM	Recorded	Question on Timers	Recorded	Friday, October 31, 2025	Excess-3 and Gray Codes	4:00PM - 5:00PM
Friday, October 31, 2025	Sinusoidal Oscillator & Phase shift Oscillator	2:00 PM- 3:30 PM	Recorded	Phase locked loop	Recorded	Monday, November 3, 2025	Practice Questions	4:00PM - 5:00PM
Monday, November 3, 2025	Wien Bridge Oscillator	2:00 PM- 3:30 PM	Microprocessor			Tuesday, November 4, 2025	Axioms and Operations	4:00PM - 5:00PM
Tuesday, November 4, 2025	Colpitts and Hartley Oscillators	2:00 PM- 3:30 PM	Date	Title	Timing	Wednesday, November 5, 2025	Laws of Boolean Algebra	4:00PM - 5:00PM
Wednesday, November 5, 2025	Multivibrator - 1	2:00 PM- 3:30 PM	Recorded	Microprocessor-1	Recorded	Thursday, November 6, 2025	SOP and POS representation part-1	4:00PM - 5:00PM
Thursday, November 6, 2025	Multivibrator - 2	2:00 PM- 3:30 PM	Recorded	Microprocessor-2	Recorded	Friday, November 7, 2025	SOP and POS representation part-2	4:00PM - 5:00PM
Friday, November 7, 2025	Practice Questions	2:00 PM- 3:30 PM	Recorded	Microprocessor-3	Recorded	Monday, November 10, 2025	Basic Gates	4:00PM - 5:00PM
Monday, November 10, 2025	Inverter and UPS	2:00 PM- 3:30 PM	Recorded	Microprocessor-4	Recorded	Tuesday, November 11, 2025	Special Gates	4:00PM - 5:00PM
Tuesday, November 11, 2025	Working of Triode	2:00 PM- 3:30 PM	Recorded	Microprocessor-5	Recorded	Wednesday, November 12, 2025	Universal Gates	4:00PM - 5:00PM
Wednesday, November 12, 2025	Triode Circuits	2:00 PM- 3:30 PM	Recorded	Microprocessor-6	Recorded	Thursday, November 13, 2025	Circuits of Gates	4:00PM - 5:00PM
Computer Programming			Recorded	Microprocessor-7	Recorded	Friday, November 14, 2025	Adders	4:00PM - 5:00PM
Date	Topic	Timing	Recorded	Microprocessor-8	Recorded	Monday, November 17, 2025	Subtractors	4:00PM - 5:00PM
Recorded	Computer Programming-1	Recorded	Recorded	Microprocessor-9	Recorded	Tuesday, November 18, 2025	Multiplexers part-1	4:00PM - 5:00PM
Recorded	Computer Programming-2	Recorded	Recorded	Microprocessor-10	Recorded	Wednesday, November 19, 2025	Multiplexers part-2	4:00PM - 5:00PM
Recorded	Computer Programming-3	Recorded	Communication Engineering			Thursday, November 20, 2025	Demultiplexers and Decoders	4:00PM - 5:00PM
Recorded	Computer Programming-4	Recorded	Date	Topic	Timing	Friday, November 21, 2025	Practice Questions	4:00PM - 5:00PM
Recorded	Computer Programming-5	Recorded	Recorded	Introduction	Recorded	Monday, November 24, 2025	Introduction to flip flops	4:00PM - 5:00PM
Recorded	Computer Programming-6	Recorded	Recorded	Modulation requirements	Recorded	Tuesday, November 25, 2025	Different types of Flip flops	4:00PM - 5:00PM
Recorded	Computer Programming-7	Recorded	Recorded	Amplitude modulation part-1	Recorded	Wednesday, November 26, 2025	Counters Basics	4:00PM - 5:00PM
Recorded	Computer Programming-8	Recorded	Recorded	Amplitude modulation part-2	Recorded	Thursday, November 27, 2025	Counters Basics	4:00PM - 5:00PM
Recorded	Computer Programming-9	Recorded	Recorded	Amplitude modulation part-2	Recorded	Friday, November 28, 2025	Practice Questions	4:00PM - 5:00PM
Recorded	Computer Programming-10	Recorded	Recorded	DSBSC Modulation and demodulation	Recorded	Monday, December 1, 2025	A/D Convertors	4:00PM - 5:00PM
Recorded	Computer Programming-11	Recorded	Recorded	SSB SC Modulation and demodulation	Recorded	Tuesday, December 2, 2025	D/A Convertors	4:00PM - 5:00PM

Recorded	Computer Programming-12	Recorded	Recorded	VSB modulation and demodulation	Recorded	Wednesday, December 3, 2025	Practice Questions	4:00PM - 5:00PM
Recorded	Computer Programming-13	Recorded	Recorded	Practice Questions	Recorded	Thursday, December 4, 2025	Memories	4:00PM - 5:00PM
Recorded	Computer Programming-14	Recorded	Recorded	Introduction	Recorded			
Recorded	Computer Programming-15	Recorded	Recorded	Phase and frequency modulation parameters	Recorded			
Recorded	Computer Programming-16	Recorded	Recorded	Modulation and demodulation techniques	Recorded			
Recorded	Computer Programming-17	Recorded	Recorded	Recievers part-1	Recorded			
Recorded	Computer Programming-18	Recorded	Recorded	Recievers part-2	Recorded			
Recorded	Computer Programming-19	Recorded	Recorded	Recievers part-3	Recorded			
Recorded	Computer Programming-20	Recorded	Recorded	Block Diagram of PCM	Recorded			
			Recorded	Sampling criteria	Recorded			
			Recorded	Quantization	Recorded			
			Recorded	Intersymbol interference	Recorded			
			Recorded	Frequency division multiplexing	Recorded			
			Recorded	Time division multiplexing	Recorded			
			Recorded	Wave Propagation - 1	Recorded			
			Recorded	Wave Propagation - 2	Recorded			
			Recorded	Equivalent Circuit of TL	Recorded			
			Recorded	Lossless and distortionless TL	Recorded			
			Recorded	Input impedance of TL	Recorded			
			Recorded	Reflection coefficient and VSWR	Recorded			
			Recorded	Practice Questions	Recorded			
			Recorded	Smith Chart	Recorded			
			Recorded	Radar range equation	Recorded			
			Recorded	Satellite Communication - 1	Recorded			

			Recorded	Satellite Communication - 2	Recorded				
			Recorded	Cellular Communication - 1	Recorded				
			Recorded	Cellular Communication - 2	Recorded				

