

STUDY PLAN

Ashish sir Electronics Component			Digital Electronics			Ashish sir Measurement and instrumentation		
Date	Title	Timing	Date	Topic	Timing	Date	Topic	Timing
Monday, September 8, 2025	Orientation	2:00 PM- 2:30 PM	Recorded	Introduction to Number systems	Recorded	Monday, October 20, 2025	Methods of measurements, type of instruments	5:00PM 6:30PM
Monday, September 8, 2025	Electronics Component-1	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
Tuesday, September 9, 2025	Electronics Component-2	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
Wednesday, September 10, 2025	Electronics Component-3	2:00 PM- 3:30 PM	Recorded	Complements	Recorded	Thursday, October 23, 2025	classification of analog instruments, mcq	5:00PM 6:30PM
Thursday, September 11, 2025	Electronics Component-4	2:00 PM- 3:30 PM	Recorded	Interconversions part-1	Recorded	Friday, October 24, 2025	Basic Galvanometer, PMMC & MI instruments	5:00PM 6:30PM
Friday, September 12, 2025	Electronics Component-5	2:00 PM- 3:30 PM	Recorded	Interconversions part-2	Recorded	Monday, October 27, 2025	Electrodynamicometer instruments	5:00PM 6:30PM
Monday, September 15, 2025	Types of Component-1	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
Tuesday, September 16, 2025	Types of Component-2	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
Wednesday, September 17, 2025	Types of Component-3	2:00 PM- 3:30 PM	Recorded	Practice Questions	Recorded	Thursday, October 30, 2025	Loading Effect Due to Voltmeter Resistance	5:00PM 6:30PM
Thursday, September 18, 2025	Types of Component-4	2:00 PM- 3:30 PM	Recorded	Axioms and Operations	Recorded	Friday, October 31, 2025	Property , materials, measurments of low resistance	5:00PM 6:30PM
Friday, September 19, 2025	Types of Component-5	2:00 PM- 3:30 PM	Recorded	Laws of Boolean Algebra	Recorded	Monday, November 3, 2025	Measurments of medium resistance	5:00PM 6:30PM
Monday, September 22, 2025	Functions of Components-1	2:00 PM- 3:30 PM	Recorded	SOP and POS representation part-1	Recorded	Tuesday, November 4, 2025	Measurments of high resistance	5:00PM 6:30PM
Tuesday, September 23, 2025	Functions of Components-2	2:00 PM- 3:30 PM	Recorded	SOP and POS representation part-2	Recorded	Wednesday, November 5, 2025	Measurments of inductance-1	5:00PM 6:30PM
Wednesday, September 24, 2025	Functions of Components-3	2:00 PM- 3:30 PM	Recorded	Basic Gates	Recorded	Thursday, November 6, 2025	Measurments of inductance-2	5:00PM 6:30PM
Thursday, September 25, 2025	Functions of Components-4	2:00 PM- 3:30 PM	Recorded	Special Gates	Recorded	Friday, November 7, 2025	Capacitance and special bridges	5:00PM 6:30PM
Friday, September 26, 2025	Functions of Components-5	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
Monday, September 29, 2025	Doubt Session	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
Tuesday, September 30, 2025	Practice Class -1	2:00 PM- 3:30 PM	Recorded	Adders	Recorded	Wednesday, November 12, 2025	Errors in Wattmeter	5:00PM 6:30PM
Wednesday, October 1, 2025	Practice Class -2	2:00 PM- 3:30 PM	Recorded	Subtractors	Recorded	Thursday, November 13, 2025	Induction Type Energy Meter	5:00PM 6:30PM
Thursday, October 2, 2025	Practice Class -3	2:00 PM- 3:30 PM	Recorded	Multiplexers part-1	Recorded	Friday, November 14, 2025	Measurement of Frequency	5:00PM 6:30PM
Friday, October 3, 2025	Practice Class -4	2:00 PM- 3:30 PM	Recorded	Multiplexers part-2	Recorded	Monday, November 17, 2025	Measurement of Power Factor	5:00PM 6:30PM
Saket Verma :1. Electronics Devices			Recorded	Demultiplexers and Decoders	Recorded	Tuesday, November 18, 2025	Basics and construction of CRO	5:00PM 6:30PM
Date	Topic	Timing	Recorded	Practice Questions	Recorded	Wednesday, November 19, 2025	Measurement of phase and frequency	5:00PM 6:30PM

Monday, October 6, 2025	Energy Band Diagram	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
Tuesday, October 7, 2025	Types 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
Wednesday, October 8, 2025	Resistivity and Conductivity of Semiconductor	2:00 PM- 3:30 PM	Recorded	Counters Basics	Recorded	Monday, November 24, 2025	Basic Potentiometer Circuit & Crompton's Potentiometer Circuit	5:00PM 6:30PM
Thursday, October 9, 2025	Hall Effect	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
Friday, October 10, 2025	Practice Questions	2:00 PM- 3:30 PM	Recorded	Practice Questions	Recorded	Wednesday, November 26, 2025	Construction, principle, application of Q-meter	5:00PM 6:30PM
Monday, October 13, 2025	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
Tuesday, October 14, 2025	Characteristics of PN Junction Diodes	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
Wednesday, October 15, 2025	Transistion and Diffusion Capacitance	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
Thursday, October 16, 2025	Zener Diode	2:00 PM- 3:30 PM	Recorded	Memories	Recorded	Tuesday, December 2, 2025	Type of Electronic AC Voltmeters	5:00PM 6:30PM
Friday, October 17, 2025	Avalanche and Zener Breakdown	2:00 PM- 3:30 PM	Linear Integrated Circuits			Wednesday, December 3, 2025	Live doubt and miscellaneous-1	5:00PM 6:30PM
Monday, October 20, 2025	Rectifiers-1	2:00 PM- 3:30 PM	Date	Topic	Timing	Thursday, December 4, 2025	Live doubt and miscellaneous-2	5:00PM 6:30PM
Tuesday, October 21, 2025	Rectifiers-2	2:00 PM- 3:30 PM	Recorded	Introduction	Recorded	Friday, December 5, 2025	Live doubt and miscellaneous-3	5:00PM 6:30PM
Wednesday, October 22, 2025	Clippers	2:00 PM- 3:30 PM	Recorded	Construction and Properties part-1	Recorded	Basic Electronics		
Thursday, October 23, 2025	Clampers	2:00 PM- 3:30 PM	Recorded	Construction and Properties part-2	Recorded	Date	Topic	Timing
Friday, October 24, 2025	Practice Questions	2:00 PM- 3:30 PM	Recorded	Construction and Properties part-2	Recorded	Tuesday, October 21, 2025	Orientation	4:00PM - 5:00PM
Monday, October 27, 2025	Transistors and Its working	2:00 PM- 3:30 PM	Recorded	Linear applications part-1	Recorded	Wednesday, October 22, 2025	Introduction to Number systems	4:00PM - 5:00PM
Tuesday, October 28, 2025	Configuration and Characteristics of Transistors	2:00 PM- 3:30 PM	Recorded	Linear applications part-2	Recorded	Thursday, October 23, 2025	Addition in different base	4:00PM - 5:00PM
Wednesday, October 29, 2025	Current Components in BJT	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
Thursday, October 30, 2025	Early Effect	2:00 PM- 3:30 PM	Recorded	Non Linear applications part-2	Recorded	Monday, October 27, 2025	Complements	4:00PM - 5:00PM
Friday, October 31, 2025	Mode of Operation	2:00 PM- 3:30 PM	Recorded	Voltage regulators	Recorded	Tuesday, October 28, 2025	Interconversions part-1	4:00PM - 5:00PM
Monday, November 3, 2025	Applications of Transistor	2:00 PM- 3:30 PM	Recorded	Miscellaneous	Recorded	Wednesday, October 29, 2025	Interconversions part-2	4:00PM - 5:00PM
Tuesday, November 4, 2025	BJT amplifiers - 1	2:00 PM- 3:30 PM	Recorded	Introduction	Recorded	Thursday, October 30, 2025	Binary Codes, BCD	4:00PM - 5:00PM
Wednesday, November 5, 2025	BJT amplifiers - 2	2:00 PM- 3:30 PM	Recorded	Question on Timers	Recorded	Friday, October 31, 2025	Excess-3 and Gray Codes	4:00PM - 5:00PM
Thursday, November 6, 2025	Power amplifiers	2:00 PM- 3:30 PM	Recorded	Phase locked loop	Recorded	Monday, November 3, 2025	Practice Questions	4:00PM - 5:00PM
Friday, November 7, 2025	Sinusoidal Oscillator & Phase shift Oscillator	2:00 PM- 3:30 PM	Microprocessor			Tuesday, November 4, 2025	Axioms and Operations	4:00PM - 5:00PM
Monday, November 10, 2025	Wien Bridge Oscillator	2:00 PM- 3:30 PM	Date	Title	Timing	Wednesday, November 5, 2025	Laws of Boolean Algebra	4:00PM - 5:00PM
Tuesday, November 11, 2025	Colpitts and Hartley Oscillators	2:00 PM- 3:30 PM	Recorded	Microprocessor-1	Recorded	Thursday, November 6, 2025	SOP and POS representation part-1	4:00PM - 5:00PM

Wednesday, November 12, 2025	Multivibrator - 1	2:00 PM- 3:30 PM	Recorded	Microprocessor-2	Recorded	Friday, November 7, 2025	SOP and POS representation part-2	4:00PM - 5:00PM
			Recorded	Microprocessor-3	Recorded	Monday, November 10, 2025	Basic Gates	4:00PM - 5:00PM
			Recorded	Microprocessor-4	Recorded	Tuesday, November 11, 2025	Special Gates	4:00PM - 5:00PM
			Recorded	Microprocessor-5	Recorded	Wednesday, November 12, 2025	Universal Gates	4:00PM - 5:00PM
			Recorded	Microprocessor-6	Recorded	Thursday, November 13, 2025	Circuits of Gates	4:00PM - 5:00PM
			Recorded	Microprocessor-7	Recorded	Friday, November 14, 2025	Adders	4:00PM - 5:00PM
			Recorded	Microprocessor-8	Recorded	Monday, November 17, 2025	Subtractors	4:00PM - 5:00PM
			Recorded	Microprocessor-9	Recorded	Tuesday, November 18, 2025	Multiplexers part-1	4:00PM - 5:00PM
			Recorded	Microprocessor-10	Recorded	Wednesday, November 19, 2025	Multiplexers part-2	4:00PM - 5:00PM
			Communication Engineering			Thursday, November 20, 2025	Demultiplexers and Decoders	4:00PM - 5:00PM
			Date	Topic	Timing	Friday, November 21, 2025	Practice Questions	4:00PM - 5:00PM
			Recorded	Introduction	Recorded	Monday, November 24, 2025	Introduction to flip flops	4:00PM - 5:00PM
			Recorded	Modulation requirements	Recorded	Tuesday, November 25, 2025	Different types of Flip flops	4:00PM - 5:00PM
			Recorded	Amplitude modulation part-1	Recorded	Wednesday, November 26, 2025	Counters Basics	4:00PM - 5:00PM
			Recorded	Amplitude modulation part-2	Recorded	Thursday, November 27, 2025	Counters Basics	4:00PM - 5:00PM
			Recorded	Amplitude modulation part-2	Recorded	Friday, November 28, 2025	Practice Questions	4:00PM - 5:00PM
			Recorded	DSBSC Modulation and demodulation	Recorded	Monday, December 1, 2025	A/D Convertors	4:00PM - 5:00PM
			Recorded	SSB SC Modulation and demodulation	Recorded	Tuesday, December 2, 2025	D/A Convertors	4:00PM - 5:00PM
			Recorded	VSB modulation and demodulation	Recorded	Wednesday, December 3, 2025	Practice Questions	4:00PM - 5:00PM
			Recorded	Practice Questions	Recorded	Thursday, December 4, 2025	Memories	4:00PM - 5:00PM
			Recorded	Introduction	Recorded			
			Recorded	Phase and frequency modulation parameters	Recorded			
			Recorded	Modulation and demodulation techniques	Recorded			
			Recorded	Recievers part-1	Recorded			
			Recorded	Recievers part-2	Recorded			
			Recorded	Recievers part-3	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			

RRB JE Computer Science			
Faculty - Mayank Garg sir			
Date	Subject	Topic	Timing
Saturday, September 6, 2025	Orientation	Orientation	7:00 PM - 8:00 PM
Monday, September 8, 2025	Computer Fundamentals	Computer Fundamentals-1	7:00 PM - 8:00 PM
Tuesday, September 9, 2025		Computer Fundamentals-2	7:00 PM - 8:00 PM
Thursday, September 11, 2025		Computer Fundamentals-3	7:00 PM - 8:00 PM
Friday, September 12, 2025		Computer Fundamentals-4	7:00 PM - 8:00 PM
Monday, September 15, 2025		Computer Fundamentals-5	7:00 PM - 8:00 PM
Tuesday, September 16, 2025		Computer Fundamentals-6	7:00 PM - 8:00 PM
Wednesday, September 17, 2025		Computer Fundamentals-7	7:00 PM - 8:00 PM
Thursday, September 18, 2025		Computer Fundamentals-8	7:00 PM - 8:00 PM
Friday, September 19, 2025	MS Office	MS Windows-1	7:00 PM - 8:00 PM
Monday, September 22, 2025		MS Windows-2	7:00 PM - 8:00 PM
Tuesday, September 23, 2025		MS Word-1	7:00 PM - 8:00 PM
Wednesday, September 24, 2025		MS Word-2	7:00 PM - 8:00 PM
Thursday, September 25, 2025		MS Excel-1	7:00 PM - 8:00 PM
Friday, September 26, 2025		MS Excel-2	7:00 PM - 8:00 PM
Monday, September 29, 2025		MS-PowerPoint-1	7:00 PM - 8:00 PM
Tuesday, September 30, 2025		MS-PowerPoint-2	7:00 PM - 8:00 PM
Wednesday, October 1, 2025	Computer Organization	Computer Organization-1	7:00 PM - 8:00 PM
Thursday, October 2, 2025		Computer Organization-2	7:00 PM - 8:00 PM
Friday, October 3, 2025		Computer Organization-3	7:00 PM - 8:00 PM
Monday, October 6, 2025		Computer Organization-4	7:00 PM - 8:00 PM
Tuesday, October 7, 2025		Computer Organization-5	7:00 PM - 8:00 PM
Wednesday, October 8, 2025		Computer Organization-6	7:00 PM - 8:00 PM
Thursday, October 9, 2025		Computer Organization-7	7:00 PM - 8:00 PM

Friday, October 10, 2025	Information Systems	Computer Organization-8	7:00 PM - 8:00 PM
Monday, October 13, 2025		Information Systems-1	7:00 PM - 8:00 PM
Tuesday, October 14, 2025		Information Systems-2	7:00 PM - 8:00 PM
Wednesday, October 15, 2025		Information Systems-3	7:00 PM - 8:00 PM
Thursday, October 16, 2025		Information Systems-4	7:00 PM - 8:00 PM
Friday, October 17, 2025		Information Systems-5	7:00 PM - 8:00 PM
Monday, October 20, 2025		Information Systems-6	7:00 PM - 8:00 PM
Tuesday, October 21, 2025		Information Systems-7	7:00 PM - 8:00 PM
Wednesday, October 22, 2025	DBMS	Information Systems-8	7:00 PM - 8:00 PM
Thursday, October 23, 2025		DBMS fundamentals-1	7:00 PM - 8:00 PM
Friday, October 24, 2025		DBMS fundamentals-2	7:00 PM - 8:00 PM
Monday, October 27, 2025		DBMS fundamentals-3	7:00 PM - 8:00 PM
Tuesday, October 28, 2025		DBMS fundamentals-4	7:00 PM - 8:00 PM
Wednesday, October 29, 2025		DBMS fundamentals-5	7:00 PM - 8:00 PM
Thursday, October 30, 2025		DBMS fundamentals-6	7:00 PM - 8:00 PM
Friday, October 31, 2025		DBMS fundamentals-7	7:00 PM - 8:00 PM
Monday, November 3, 2025		DBMS fundamentals-8	7:00 PM - 8:00 PM
Tuesday, November 4, 2025		DBMS fundamentals-9	7:00 PM - 8:00 PM
Wednesday, November 5, 2025	Data Structure	DBMS fundamentals-10	7:00 PM - 8:00 PM
Thursday, November 6, 2025		Data Structure using C++ -1	7:00 PM - 8:00 PM
Friday, November 7, 2025		Data Structure using C++ -2	7:00 PM - 8:00 PM
Monday, November 10, 2025		Data Structure using C++ -3	7:00 PM - 8:00 PM
Tuesday, November 11, 2025		Data Structure using C++ -4	7:00 PM - 8:00 PM
Wednesday, November 12, 2025		Data Structure using C++ -5	7:00 PM - 8:00 PM
Thursday, November 13, 2025		Data Structure using C++ -6	7:00 PM - 8:00 PM
Friday, November 14, 2025		Data Structure using C++ -7	7:00 PM - 8:00 PM
Monday, November 17, 2025		Data Structure using C++ -8	7:00 PM - 8:00 PM

Tuesday, November 18, 2025		Data Structure using C++ -9	7:00 PM - 8:00 PM
Wednesday, November 19, 2025		Data Structure using C++ -10	7:00 PM - 8:00 PM
Thursday, November 20, 2025		Operating System using LINUX-1	7:00 PM - 8:00 PM
Friday, November 21, 2025	Operating System using LINUX	Operating System using LINUX-2	7:00 PM - 8:00 PM
Monday, November 24, 2025		Operating System using LINUX-3	7:00 PM - 8:00 PM
Tuesday, November 25, 2025		Operating System using LINUX-4	7:00 PM - 8:00 PM
Wednesday, November 26, 2025		Operating System using LINUX-5	7:00 PM - 8:00 PM
Thursday, November 27, 2025		System Programming-1	7:00 PM - 8:00 PM
Friday, November 28, 2025	System Programming	System Programming-2	7:00 PM - 8:00 PM
Monday, December 1, 2025		System Programming-3	7:00 PM - 8:00 PM
Tuesday, December 2, 2025		System Programming-4	7:00 PM - 8:00 PM
Wednesday, December 3, 2025		System Programming-5	7:00 PM - 8:00 PM
Thursday, December 4, 2025		System Programming-6	7:00 PM - 8:00 PM
Friday, December 5, 2025		System Programming-7	7:00 PM - 8:00 PM
Monday, December 8, 2025		System Programming-8	7:00 PM - 8:00 PM
Tuesday, December 9, 2025		Web Technologies-1	7:00 PM - 8:00 PM
Wednesday, December 10, 2025	Web Technologies	Web Technologies-2	7:00 PM - 8:00 PM
Thursday, December 11, 2025		Web Technologies-3	7:00 PM - 8:00 PM
Friday, December 12, 2025		Web Technologies-4	7:00 PM - 8:00 PM
Monday, December 15, 2025		Web Technologies-5	7:00 PM - 8:00 PM
Tuesday, December 16, 2025		Web Technologies-6	7:00 PM - 8:00 PM
Wednesday, December 17, 2025		Web Technologies-7	7:00 PM - 8:00 PM
Thursday, December 18, 2025		Web Technologies-8	7:00 PM - 8:00 PM
Friday, December 19, 2025		Web Technologies-9	7:00 PM - 8:00 PM
Monday, December 22, 2025		Web Technologies-10	7:00 PM - 8:00 PM
Tuesday, December 23, 2025	Data and Network Communication	DCN-1	7:00 PM - 8:00 PM
Wednesday, December 24, 2025		DCN-2	7:00 PM - 8:00 PM

Thursday, December 25, 2025		DCN-3	7:00 PM - 8:00 PM
Friday, December 26, 2025		DCN-4	7:00 PM - 8:00 PM
Monday, December 29, 2025		DCN-5	7:00 PM - 8:00 PM
Tuesday, December 30, 2025		DCN-6	7:00 PM - 8:00 PM
Wednesday, December 31, 2025		DCN-7	7:00 PM - 8:00 PM
Thursday, January 1, 2026		DCN-8	7:00 PM - 8:00 PM
Friday, January 2, 2026		DCN-9	7:00 PM - 8:00 PM

