

STUDY PLAN

Rahul sir : Strength of Materials			Rahul Sir : Production Engineering			Rahul Sir : RAC		
			Date	Title	Timing	Date	Title	Timing
Date	Title	Timing	Wednesday, June 3, 2026	Metal Forming-3	4 PM - 5.00 PM	Thursday, June 11, 2026	Basic Introduction	3 PM - 4.00 PM
Wednesday, June 3, 2026	Strain Energy-2	7 PM - 8.30 PM	Thursday, June 4, 2026	Metal Forming-4	4 PM - 5.00 PM	Friday, June 12, 2026	VCRS Intro + Ideal Refrigeration Cycle	3 PM - 4.00 PM
Thursday, June 4, 2026	Moment of Inertia-1	7 PM - 8.30 PM	Friday, June 5, 2026	Metal Forming-5	4 PM - 5.00 PM	Monday, June 15, 2026	VCRS Cycle Analysis (COP etc.)	3 PM - 4.00 PM
Friday, June 5, 2026	Moment of Inertia-2	7 PM - 8.30 PM	Monday, June 8, 2026	Metrology-1	4 PM - 5.00 PM	Tuesday, June 16, 2026	VCRS Performance Analysis	3 PM - 4.00 PM
Monday, June 8, 2026	Thermal Stress-1	7 PM - 8.30 PM	Tuesday, June 9, 2026	Metrology-2	4 PM - 5.00 PM	Wednesday, June 17, 2026	Reverse Brayton (Bell-Coleman) Cycle	3 PM - 4.00 PM
Tuesday, June 9, 2026	Thermal Stress-2	7 PM - 8.30 PM	Wednesday, June 10, 2026	Concept of MMT-1	4 PM - 5.00 PM	Thursday, June 18, 2026	Cascade Refrigeration System	3 PM - 4.00 PM
Wednesday, June 10, 2026	Beams (CRM)-1	7 PM - 8.30 PM	Thursday, June 11, 2026	Concept of MMT-2	4 PM - 5.00 PM	Friday, June 19, 2026	Refrigerants Definition	3 PM - 4.00 PM
Thursday, June 11, 2026	Beams (CRM)-2	7 PM - 8.30 PM	Friday, June 12, 2026	Concept of MMT-3	4 PM - 5.00 PM	Monday, June 22, 2026	Properties of Refrigerants	3 PM - 4.00 PM
Friday, June 12, 2026	Beams (CRM)-3	7 PM - 8.30 PM	Monday, June 15, 2026	Concept of MMT-4	4 PM - 5.00 PM	Tuesday, June 23, 2026	Psychrometry Introduction	3 PM - 4.00 PM
Monday, June 15, 2026	Bending in Beam-1	7 PM - 8.30 PM	Tuesday, June 16, 2026	Concept of MMT-5	4 PM - 5.00 PM	Wednesday, June 24, 2026	Psychrometric Chart Processes	3 PM - 4.00 PM
Tuesday, June 16, 2026	Bending in Beam-2	7 PM - 8.30 PM	Wednesday, June 17, 2026	Unconventional Machining-1	4 PM - 5.00 PM	Thursday, June 25, 2026	Psychrometric Chart Numericals	3 PM - 4.00 PM
Wednesday, June 17, 2026	Bending in Beam-3	7 PM - 8.30 PM	Thursday, June 18, 2026	Unconventional Machining-2	4 PM - 5.00 PM	Friday, June 26, 2026	Refrigeration Devices (Working & Material)	3 PM - 4.00 PM
Thursday, June 18, 2026	Torsion in Shaft-1	7 PM - 8.30 PM	Friday, June 19, 2026	Jigs & Fixtures	4 PM - 5.00 PM	Rahul Sir : Material Science		
Friday, June 19, 2026	Torsion in Shaft-2	7 PM - 8.30 PM	Monday, June 22, 2026	Metal Cutting-1	4 PM - 5.00 PM	Date	Title	Timing
Monday, June 22, 2026	Combined Stresses-1	7 PM - 8.30 PM	Tuesday, June 23, 2026	Metal Cutting-2	4 PM - 5.00 PM	Monday, June 29, 2026	Introduction-1	3 PM - 4.00 PM
Tuesday, June 23, 2026	Combined Stresses-2	7 PM - 8.30 PM	Wednesday, June 24, 2026	Metal Cutting-3	4 PM - 5.00 PM	Tuesday, June 30, 2026	Crystalline Materials-1	3 PM - 4.00 PM
Wednesday, June 24, 2026	Combined Stresses-3	7 PM - 8.30 PM	Thursday, June 25, 2026	Concept of MMT-1	4 PM - 5.00 PM	Wednesday, July 1, 2026	Crystalline Materials-2	3 PM - 4.00 PM
Thursday, June 25, 2026	Mohr Circle-1	7 PM - 8.30 PM	Friday, June 26, 2026	Concept of MMT-2	4 PM - 5.00 PM	Thursday, July 2, 2026	Steel-1	3 PM - 4.00 PM

Friday, June 26, 2026	Mohr Circle-2	7 PM - 8.30 PM		Welding-1	Recording-1	Friday, July 3, 2026	Heat treatment of steel-1	3 PM - 4.00 PM
Monday, June 29, 2026	SFD & BMD-1	7 PM - 8.30 PM		Welding-2	Recording-2	Monday, July 6, 2026	Cast Iron	3 PM - 4.00 PM
Tuesday, June 30, 2026	SFD & BMD-2	7 PM - 8.30 PM		Welding-3	Recording-3	Rahul Sir : Thermodynamics		
Wednesday, July 1, 2026	SFD & BMD-3	7 PM - 8.30 PM		Welding-4	Recording-4	Date	Title	Timing
Thursday, July 2, 2026	SFD & BMD-4	7 PM - 8.30 PM		Welding-5	Recording-5		Basic Introduction (System, Surroundings, Properties)	Recording-1
Friday, July 3, 2026	Slope & Deflection-1	7 PM - 8.30 PM		Casting-1	Recording-6		Properties & Types of System	Recording-2
Monday, July 6, 2026	Slope & Deflection-2	7 PM - 8.30 PM		Casting-2	Recording-7		First Law of Thermodynamics - Part 1	Recording-3
Tuesday, July 7, 2026	Columns & Struts	7 PM - 8.30 PM		Casting-3	Recording-8		First Law of Thermodynamics - Part 2	Recording-4
Wednesday, July 8, 2026	Thin & Thick Cylinder	7 PM - 8.30 PM		Casting-4	Recording-9		First Law of Thermodynamics - Part 3	Recording-5
Thursday, July 9, 2026	Theory of Failure-1	7 PM - 8.30 PM		Casting-5	Recording-10		First Law MCQ	Recording-6
Friday, July 10, 2026	Theory of Failure-2	7 PM - 8.30 PM		Metal Forming-1	Recording-11		Steady Flow Energy Equation (SFEE) - Part 1	Recording-7
Monday, July 13, 2026	Springs	7 PM - 8.30 PM		Metal Forming-2	Recording-12		Steady Flow Energy Equation (SFEE) - Part 2	Recording-8
Tuesday, July 14, 2026	Basic Introduction	7 PM - 8.30 PM				Recordings will be added on 03rd June	Second Law Introduction	Recording-9
	Types of Loads & Classification-1	Recording-1					Kelvin Planck & Clausius Statements	Recording-10
	Types of Loads & Classification-2	Recording-2					Heat Engine / Refrigerator / Heat Pump (COP, Efficiency)	Recording-11
	Stress & Strain (Basics)-1	Recording-3					Numericals (Second Law)	Recording-12
	Stress & Strain (Basics)-2	Recording-4					Clausius Inequality & Entropy Intro	Recording-13
	Stress & Strain (Basics)-3	Recording-5					Entropy Derivation - Part 1	Recording-14
	Stress-Strain Curve	Recording-6					Entropy Derivation - Part 2	Recording-15
	Failure under Different Loading	Recording-7					Revision - Thermodynamics	Recording-16
	Elastic Constants	Recording-8					Revision - Thermodynamics	Recording-17

	Deformation (Series & Parallel)-1	Recording-9					Properties of Pure Substance - Part 1	Recording-18
	Deformation (Series & Parallel)-2	Recording-10					Properties of Pure Substance - Part 2	Recording-19
	Strain Energy due to Self Weight	Recording-11				Rahul Sir : Power Plant Engineering		
	Strain Energy-1	Recording-12				Date	Title	Timing
Rahul Sir : Fluid mechanics							Basic Introduction	Recording-1
							Types of Coal & Fuels	Recording-2
							Coal Detailed Study	Recording-3
Date	Title	Timing					Steam Power Plant (Thermal) - Analysis-1	Recording-4
Recordings will be added on 03rd June	Introduction	Recording-1				Recordings will be added on 03rd June	Steam Power Plant (Thermal) - Analysis-2	Recording-5
	Fluid Properties - Part 1	Recording-2					Steam Power Plant (Thermal) - Analysis-3	Recording-6
	Fluid Properties - Part 2	Recording-3					Rankine Cycle-1	Recording-7
	Newton's Law of Viscosity	Recording-4					Rankine Cycle-2	Recording-8
	Fluid Classification	Recording-5					Boilers-1	Recording-9
	MCQ Practice (Basics)	Recording-6					Boilers-2	Recording-10
	Surface Tension & Capillarity - 1	Recording-7					Boilers-3	Recording-11
	Surface Tension & Capillarity - 2	Recording-8					Steam Turbine	Recording-12
	Pressure Measurement - Basics	Recording-9					Nozzle & Compressor-1	Recording-13
	Pressure Laws	Recording-10					Nozzle & Compressor-2	Recording-14
	Pressure Measuring Devices	Recording-11					Nozzle & Compressor-3	Recording-15
	Pressure MCQ	Recording-12					Miscellaneous Numericals-1	Recording-16
	Buoyancy & Flootation - 1	Recording-13					Miscellaneous Numericals-2	Recording-17

						Rahul Sir : Theory of Machines		
						Date	Title	Timing
Buoyancy & Floatation - 2	Recording-14					Recordings will be added on 03rd June	Basic Introduction	Recording-1
Buoyancy & Floatation - 3	Recording-15						Kinematic Pair & Classification-1	Recording-2
Hydrostatic Forces - Plane Surface	Recording-16						Kinematic Pair & Classification-2	Recording-3
Hydrostatic Forces - Curved Surface	Recording-17						Degree of Freedom (DOF)	Recording-4
Kinematics Intro + Types + Continuity	Recording-18						DOF Numericals-1	Recording-5
Velocity Potential & Stream Function - 1	Recording-19						DOF Numericals-2	Recording-6
Velocity Potential & Stream Function - 2	Recording-20						Grashof's Law	Recording-7
Velocity Potential & Stream Function - 3	Recording-21						Inversions (Four Bar & Slider)-1	Recording-8
Fluid Dynamics Intro + Bernoulli	Recording-22						Inversions (Four Bar & Slider)-2	Recording-9
Bernoulli Applications	Recording-23						Instantaneous Center	Recording-10
Orifice Meter & Pitot Tube	Recording-24						Flywheel-1	Recording-11
Laminar Flow - 1	Recording-25						Flywheel-2	Recording-12
Laminar Flow - 2	Recording-26						Governor Intro	Recording-13
Laminar Flow - 3	Recording-27						Governor Classification	Recording-14
Laminar vs Turbulent - 1	Recording-28						Governor Performance	Recording-15
Laminar vs Turbulent - 2	Recording-29						Gears Intro & Classification-1	Recording-16
Laminar vs Turbulent - 3	Recording-30						Gears Intro & Classification-2	Recording-17
Boundary Layer Theory	Recording-31						Gear Terminology	Recording-18
Vortex Flow (Free & Forced)	Recording-32						Gear Analysis	Recording-19
Flow Through Pipes - 1	Recording-33							
Flow Through Pipes - 2	Recording-34							

	Flow Through Pipes - 3	Recording-35					Gear Interference	Recording-20
	Dimensional Analysis & Modelling	Recording-36					Balancing-1	Recording-21
	OCF - 1	Recording-37					Balancing-2	Recording-22
	OCF - 2	Recording-38					Vibrations-1	Recording-23
	OCF - 3	Recording-39					Vibrations-2	Recording-24
	Impact of Jets - 1	Recording-40					Vibrations-3	Recording-25
	Impact of Jets - 2	Recording-41					Cam & Follower-1	Recording-26
	Hydraulic Turbine Intro & Classification - 1	Recording-42					Cam & Follower-2	Recording-27
	Hydraulic Turbine Intro & Classification - 2	Recording-43				Rahul Sir : Heat & Mass Transfer		
	Types of Turbines - 1	Recording-44				Date	Title	Timing
	Types of Turbines - 2	Recording-45					Basic Introduction (Heat Transfer)	Recording-1
	Modeling & Similitude MCQ	Recording-46					Conduction-1	Recording-2
	Pumps - 1	Recording-47					Conduction-2	Recording-3
	Pumps - 2	Recording-48					Conduction-3	Recording-4
	Pumps - 3	Recording-49					Fins	Recording-5
Rahul Sir : Engineering Mechanics						Recordings will be added on 03rd June		
Date	Title	Timing					Convection-1	Recording-6
	Basic of forces-1	Recording-1					Convection-2	Recording-7
	Basic of forces-2	Recording-2					Convection-3	Recording-8
	Basic of forces-3	Recording-3					Radiation-1	Recording-9
	Basic of forces-4	Recording-4					Radiation-2	Recording-10
	Basic of forces-5	Recording-5					Radiation-3	Recording-11
						Rahul sir : IC Engine		

	Sequencing-3	Recording-9						
	PERT & CPM-1	Recording-10						
	PERT & CPM-2	Recording-11						
	PERT & CPM-3	Recording-12						
	PERT & CPM-4	Recording-13						
	PERT & CPM-5	Recording-14						
	PERT & CPM-6	Recording-15						
	Forecasting-1	Recording-16						
	Forecasting-2	Recording-17						
	Forecasting-3	Recording-18						
	Forecasting-4	Recording-19						
	Queing Theory-1	Recording-20						
	Queing Theory-2	Recording-21						
	Linear programming-1	Recording-22						
	Linear programming-2	Recording-23						
	Linear programming-3	Recording-24						
	Transportation-1	Recording-25						
	Transportation-2	Recording-26						
	Assignment-1	Recording-27						
	Assignment-2	Recording-28						
	MRP-1	Recording-29						
	MRP-2	Recording-30						

Rahul Sir : Machine Design								
Date	Title	Timing						
Recordings will be added on 03rd June	Basic Introduction	Recording-1						
	Design against Static Loading	Recording-2						
	Design against Fluctuating Loading-1	Recording-3						
	Design against Fluctuating Loading-2	Recording-4						
	Bolted Joints-1	Recording-5						
	Bolted Joints-2	Recording-6						
	Riveted Joints-1	Recording-7						
	Riveted Joints-2	Recording-8						
	Belt Drive-1	Recording-9						
	Belt Drive-2	Recording-10						
	Belt Drive-3	Recording-11						
	Clutches-1	Recording-12						
	Clutches-2	Recording-13						
	Brakes-1	Recording-14						
	Brakes-2	Recording-15						
	Bearings-1	Recording-16						
	Bearings-2	Recording-17						
	Bearings-3	Recording-18						
	Design of Gears	Recording-19						

	Miscellaneous-1	Recording-20						
	Miscellaneous-2	Recording-21						
Rahul Sir : Hydraulic Machines								
Date	Title	Timing						
Recordings will be added on 03rd June	Impact of jet	Recording-1						
	Turbine basic , classification	Recording-2						
	Pelton wheel , francis , kaplan turbine	Recording-3						
	Pump-1	Recording-4						
	Pump-2	Recording-5						
	Live doubt and miscellaneous-1	Recording-6						
	Live doubt and miscellaneous-2	Recording-7						
	Live doubt and miscellaneous-3	Recording-8						

