

STUDY PLAN

Vikas Sir Thermodynamics				Dheeraj Sir Industrial Engineering				Vikas Sir RAC				
Date	Chapter	Title	Timing					Date	Chapter	Title	Timing	
Monday, December 22, 2025	Thermodynamics system and processes	Basics Concept-1	4 PM - 5 PM	Date	Chapter	Title	Timing	Recorded	Orientation	Orientation	2:0PM - 3:30 PM	
Tuesday, December 23, 2025		Basics Concept-2	4 PM - 5 PM	Recorded	Introduction and BEA	Introduction & BEA-1	9:00PM-10:00PM	Recorded	Basic Introduction of RAC	Basics of refrigeration system 1	2:0PM - 3:30 PM	
Wednesday, December 24, 2025		Basics Concept-3	4 PM - 5 PM	Recorded		Introduction & BEA-2	9:00PM-10:00PM	Recorded		Basics of refrigeration system 2	2:0PM - 3:30 PM	
Thursday, December 25, 2025		Basics Concept-4	4 PM - 5 PM	Recorded	Inventory Control	Inventory-1	9:00PM-10:00PM	Recorded	Vapour Compression Refrigeration s	Vapour Compression Refrigeration system 1	2:0PM - 3:30 PM	
Friday, December 26, 2025	Heat and Work	Heat and work-1	4 PM - 5 PM	Recorded		Inventory-2	9:00PM-10:00PM	Recorded		Vapour Compression Refrigeration system 2	2:0PM - 3:30 PM	
Monday, December 29, 2025		Heat and work-2	4 PM - 5 PM	Recorded		Inventory-3	9:00PM-10:00PM	Recorded		Vapour Compression Refrigeration system 3	2:0PM - 3:30 PM	
Tuesday, December 30, 2025		Heat and work-3	4 PM - 5 PM	Recorded		Inventory-4	9:00PM-10:00PM	Recorded		Vapour Compression Refrigeration system 4	2:0PM - 3:30 PM	
Wednesday, December 31, 2025		Heat and work-4	4 PM - 5 PM	Recorded	Sequencing	Sequencing-1	9:00PM-10:00PM	Recorded	Refrigerants	Vapour Compression Refrigeration system 5	2:0PM - 3:30 PM	
Thursday, January 1, 2026	First law of thermodynamics	First law of thermodynamics-1	4 PM - 5 PM	Recorded		Sequencing-2	9:00PM-10:00PM	Recorded		Types of refrigerants & Properties 1	2:0PM - 3:30 PM	
Friday, January 2, 2026		First law of thermodynamics-2	4 PM - 5 PM	Recorded		Sequencing-3	9:00PM-10:00PM	Recorded			Types of refrigerants & Properties 2	2:0PM - 3:30 PM
Monday, January 5, 2026		First law of thermodynamics-3	4 PM - 5 PM	Recorded		PERT & CPM-1	9:00PM-10:00PM	Recorded				Types of refrigerants & Properties 3
Tuesday, January 6, 2026		First law of thermodynamics-4	4 PM - 5 PM	Recorded	PERT & CPM	PERT & CPM-2	9:00PM-10:00PM	Recorded	Vapour absorption refrigeration syst	Vapour absorption refrigeration system 1	2:0PM - 3:30 PM	
Wednesday, January 7, 2026		First law of thermodynamics-5	4 PM - 5 PM	Recorded		PERT & CPM-3	9:00PM-10:00PM	Recorded		Vapour absorption refrigeration system 2	2:0PM - 3:30 PM	
Thursday, January 8, 2026	Second law of thermodynamics and Entropy	Second law of thermodynamics-1	4 PM - 5 PM	Recorded		PERT & CPM-4	9:00PM-10:00PM	Recorded	Refrigeration Cycle and Devices	Refrigeration equipments 1	2:0PM - 3:30 PM	
Friday, January 9, 2026		Second law of thermodynamics-2	4 PM - 5 PM	Recorded		PERT & CPM-5	9:00PM-10:00PM	Recorded		Refrigeration equipments 2	2:0PM - 3:30 PM	

Monday, January 12, 2026		Entropy part-1	4 PM - 5 PM	Monday, December 22, 2025		PERT & CPM-6	9:00PM-10:00PM	Recorded		Refrigeration equipments 3	2:0PM - 3:30 PM
Tuesday, January 13, 2026		Entropy part-2	4 PM - 5 PM	Tuesday, December 23, 2025		Forecasting-1	9:00PM-10:00PM	Recorded		Psychrometry 1	2:0PM - 3:30 PM
Wednesday, January 14, 2026		Entropy part-3	4 PM - 5 PM	Wednesday, December 24, 2025		Forecasting-2	9:00PM-10:00PM	Recorded		Psychrometry 2	2:0PM - 3:30 PM
Thursday, January 15, 2026		Entropy part-4	4 PM - 5 PM	Thursday, December 25, 2025		Forecasting-3	9:00PM-10:00PM	Recorded		Psychrometry 3	2:0PM - 3:30 PM
Friday, January 16, 2026		Properties of pure substance part 1	4 PM - 5 PM	Friday, December 26, 2025	Forecasting	Forecasting-4	9:00PM-10:00PM	Recorded	Air conditioning	Psychrometry 4	2:0PM - 3:30 PM
Monday, January 19, 2026	Properties of pure substance	Properties of pure substance part 2	4 PM - 5 PM	Monday, December 29, 2025	Queing Theory	Queing Theory-1	9:00PM-10:00PM	Recorded		Psychrometry 5	2:0PM - 3:30 PM
Tuesday, January 20, 2026		Properties of pure substance part 3	4 PM - 5 PM	Tuesday, December 30, 2025		Queing Theory-2	9:00PM-10:00PM	Recorded		Psychrometry 6	2:0PM - 3:30 PM
Wednesday, January 21, 2026		Properties of pure substance part 4	4 PM - 5 PM	Wednesday, December 31, 2025		Linear programming-1	9:00PM-10:00PM	Recorded		Psychrometry 7	2:0PM - 3:30 PM
Rahul Sir Fluid Mechanics				Thursday, January 1, 2026	Linear Programming	Linear programming-2	9:00PM-10:00PM		Vikas sir : Power Plant Engineering		
				Friday, January 2, 2026		Linear programming-3	9:00PM-10:00PM				
Date	Topic	Title	Timing	Monday, January 5, 2026	Transportation	Transportation-1	9:00PM-10:00PM	Date	Chapter	Title	Timing
Recorded	Orientation	Orientation	7 PM - 8 PM	Tuesday, January 6, 2026		Transportation-2	9:00PM-10:00PM	Recorded		Boiler Classification, Fittings & Accessories part 1	Recorded
Recorded		Basic introduction	7 PM - 8 PM	Wednesday, January 7, 2026	Assignment	Assignment-1	9:00PM-10:00PM	Recorded		Boiler Classification, Fittings & Accessories part 2	Recorded
Recorded		Bulk modulus , Density	7 PM - 8 PM	Thursday, January 8, 2026		Assignment-2	9:00PM-10:00PM	Recorded	Boiler	Boiler Classification, Fittings & Accessories part 3	Recorded
Recorded	FLUID PROPERTY	Specific gravity and Specific Weight	7 PM - 8 PM	Friday, January 9, 2026		MRP-1	9:00PM-10:00PM	Recorded		Boiler Classification, Fittings & Accessories part 4	Recorded
Recorded		Viscosity	7 PM - 8 PM	Monday, January 12, 2026	MRP	MRP-2	9:00PM-10:00PM	Recorded		Boiler Classification, Fittings & Accessories part 5	Recorded
Recorded		Newton law of viscosity	7 PM - 8 PM	Dheeraj sir Machine Design				Recorded		Rankine Cycle part 1	Recorded
Recorded		Fluid classification	7 PM - 8 PM					Recorded	Rankine Cycle	Rankine Cycle part 2	Recorded
Recorded	SURFACE TENSION	Surface tension	7 PM - 8 PM	Date	Chapter	Title	Timing	Recorded		Rankine Cycle part 3	Recorded

Recorded	CAPILLARY	Capillary	7 PM - 8 PM	Wednesday, January 14, 2026	Design for static loading	Introduction to load	9:00PM-10:00PM	Recorded	Brayton Cycle	Rankine Cycle part 4	Recorded
Recorded	PRESSURE	Basic , Types of pressure	7 PM - 8 PM	Thursday, January 15, 2026		Different theories of Failures-1	9:00PM-10:00PM	Recorded		Brayton Cycle part 1	Recorded
Recorded		Pascal and hydrostatic law	7 PM - 8 PM	Friday, January 16, 2026		Different theories of Failures-2	9:00PM-10:00PM	Recorded		Brayton Cycle part 2	Recorded
Recorded		Pressure measuring device - 1	7 PM - 8 PM	Monday, January 19, 2026		Different theories of Failures-3	9:00PM-10:00PM	Recorded		Brayton Cycle part 3	Recorded
Recorded	BUOYANCY AND FLOATATION	Pressure measuring device - 2	7 PM - 8 PM	Tuesday, January 20, 2026	Design against Fluctuation load	Design against Fluctuation load-1	9:00PM-10:00PM	Recorded	Air Compressors & their cycles	Brayton Cycle part 4	Recorded
Recorded		Basic concepts , principle of floatation	7 PM - 8 PM	Wednesday, January 21, 2026		Design against Fluctuation load-2	9:00PM-10:00PM	Recorded		Air Compressors & their cycles part 1	Recorded
Recorded		Stability condition of submerged body	7 PM - 8 PM	Thursday, January 22, 2026		Design against Fluctuation load-3	9:00PM-10:00PM	Recorded		Air Compressors & their cycles part 2	Recorded
Recorded		Concept of metacentre	7 PM - 8 PM	Friday, January 23, 2026		Different stresses in Screw fasteners	9:00PM-10:00PM	Recorded		Air Compressors & their cycles part 3	Recorded
Recorded	HYDROSTATICS FORCE	Stability condition of floating body	7 PM - 8 PM	Monday, January 26, 2026	Riveted, welded joint and bolted joint	Bolt joint analysis-1	9:00PM-10:00PM	Recorded	Steam Turbines & Nozzles	Air Compressors & their cycles part 4	Recorded
Recorded		Hydro-static forces on plane	7 PM - 8 PM	Tuesday, January 27, 2026		Bolt joint analysis-2	9:00PM-10:00PM	Recorded		Steam Turbines & Nozzles part 1	Recorded
Recorded		Hydro-static forces on curved surface	7 PM - 8 PM	Wednesday, January 28, 2026		Design of Rivet joint and Stress Analysis	9:00PM-10:00PM	Recorded		Steam Turbines & Nozzles part 2	Recorded
Recorded		Basic and types of flow	7 PM - 8 PM	Thursday, January 29, 2026		Type of riveted joint and efficiency	9:00PM-10:00PM	Recorded		Steam Turbines & Nozzles part 3	Recorded
Recorded	FLUID KINEMATICS	Stream, path and streak line	7 PM - 8 PM	Friday, January 30, 2026	Shaft Key and Coupling	Parallel fillet weld	9:00PM-10:00PM	Recorded		Steam Turbines & Nozzles part 4	Recorded
Recorded		Continuity equation	7 PM - 8 PM	Monday, February 2, 2026		Transverse fillet weld	9:00PM-10:00PM	Recorded		Steam Turbines & Nozzles part 5	Recorded
Recorded		Velocity and stream function	7 PM - 8 PM	Tuesday, February 3, 2026		Welded joint subjected to bending moment	9:00PM-10:00PM				
Recorded		Eulers, B.E equation	7 PM - 8 PM	Wednesday, February 4, 2026		Welded joint subjected to torsion moment	9:00PM-10:00PM				
Recorded	FLUID DYNAMICS	Application of B.E Equation	7 PM - 8 PM	Thursday, February 5, 2026	Sliding contact bearing	Design of shaft for variable load-1	9:00PM-10:00PM				
Recorded		Basic introduction , shear stress and velocity profile	7 PM - 8 PM	Friday, February 6, 2026		Design of shaft for variable load-2	9:00PM-10:00PM				
Recorded		Pressure drop , friction factor	7 PM - 8 PM	Monday, February 9, 2026		Design of shaft for variable load-3	9:00PM-10:00PM				
Recorded		Turbulent flow	7 PM - 8 PM	Tuesday, February 10, 2026		Journal Bearing-1	9:00PM-10:00PM				

Recorded	FLOW THROUGH PIPE	Major , minor losses	7 PM - 8 PM	Wednesday, February 11, 2026		Journal Bearing-2	9:00PM-10:00PM					
Recorded		Concept of equivalent pipe and maximum efficiency	7 PM - 8 PM	Thursday, February 12, 2026		Rolling contact bearing	Roller bearing-1	9:00PM-10:00PM				
Monday, December 22, 2025		BOUNDARY LAYER THEORY	Boundry layer thoery	7 PM - 8 PM			Friday, February 13, 2026	Roller bearing-2	9:00PM-10:00PM			
Tuesday, December 23, 2025	VORTEX MOTION	Free Vortex motion	7 PM - 8 PM	Monday, February 16, 2026	Design of Gears	Roller bearing-3	9:00PM-10:00PM					
Wednesday, December 24, 2025		Forced Vortex motion	7 PM - 8 PM	Tuesday, February 17, 2026		Laws of gearing	9:00PM-10:00PM					
Thursday, December 25, 2025	MODELLING AND SIMLITUDE	Similarity , dimensionless number	7 PM - 8 PM	Wednesday, February 18, 2026		Types of Gears	9:00PM-10:00PM					
Friday, December 26, 2025	Miscellaneous	Miscellaneous	7 PM - 8 PM	Thursday, February 19, 2026	Spring	Spring-1	9:00PM-10:00PM					
Monday, December 29, 2025		Miscellaneous	7 PM - 8 PM	Friday, February 20, 2026		Spring-2	9:00PM-10:00PM					
Tuesday, December 30, 2025		Miscellaneous	7 PM - 8 PM	Dheeraj sir Production Engineering								
Wednesday, December 31, 2025		Miscellaneous	7 PM - 8 PM	Date	Chapter	Title	Timing					
Thursday, January 1, 2026		Miscellaneous	7 PM - 8 PM	Recorded	Metal Casting	Introduction to Casting	Recorded					
Friday, January 2, 2026		Miscellaneous	7 PM - 8 PM	Recorded		Casting-1	Recorded					
Monday, January 5, 2026		Miscellaneous	7 PM - 8 PM	Recorded		Casting-2	Recorded					
Tuesday, January 6, 2026		Miscellaneous	7 PM - 8 PM	Recorded		Casting-3	Recorded					
Wednesday, January 7, 2026		Miscellaneous	7 PM - 8 PM	Recorded		Casting-4	Recorded					
Thursday, January 8, 2026		Miscellaneous	7 PM - 8 PM	Recorded		Casting-5	Recorded					
Rahul sir Strength of Materials				Recorded		Casting-6	Recorded					
Date	Chapter	Title	Timing	Recorded		Casting-7	Recorded					
Thursday, December 18, 2025	Orientation	Orientation	4 PM - 5 PM	Recorded		Casting-8	Recorded					
Friday, December 19, 2025	STRESS AND STRAIN	Basic introduction , Load classification	4 PM - 5 PM	Recorded	Joining	Introduction to Welding	Recorded					

Monday, December 22, 2025		Concept of stress and strain	4 PM - 5 PM	Recorded		Welding-1	Recorded				
Tuesday, December 23, 2025		Mechanical properties of materials	4 PM - 5 PM	Recorded		Welding-2	Recorded				
Wednesday, December 24, 2025		Stress vs strain curve for all materials	4 PM - 5 PM	Recorded		Welding-3	Recorded				
Thursday, December 25, 2025		Elastic constant	4 PM - 5 PM	Recorded		Welding-4	Recorded				
Friday, December 26, 2025		Concepts of deformation-1	4 PM - 5 PM	Recorded		Welding-5	Recorded				
Monday, December 29, 2025		Concepts of deformation-2	4 PM - 5 PM	Recorded		Welding-6	Recorded				
Tuesday, December 30, 2025	STRAIN ENERGY	Strain energy due axial and self weight	4 PM - 5 PM	Recorded		Welding-7	Recorded				
Wednesday, December 31, 2025		Thermal stress under free expansion	4 PM - 5 PM	Recorded		Welding-8	Recorded				
Thursday, January 1, 2026	THERMAL STRESS	Thermal stress under fixed , composite beam	4 PM - 5 PM	Recorded		Metal Cutting-1	Recorded				
Friday, January 2, 2026		Shear in rectangular and triangular section	4 PM - 5 PM	Recorded		Metal Cutting-2	Recorded				
Monday, January 5, 2026	SHEAR IN BEAM	Shear in circular , IN section of beam	4 PM - 5 PM	Recorded		Metal Cutting-3	Recorded				
Tuesday, January 6, 2026		Bending equation	4 PM - 5 PM	Recorded	Metal Cutting	Metal Cutting-4	Recorded				
Wednesday, January 7, 2026	BENDING IN BEAM	Application of bending equation	4 PM - 5 PM	Recorded		Metal Cutting-5	Recorded				
Thursday, January 8, 2026		Torsion equation	4 PM - 5 PM	Recorded		Metal Cutting-6	Recorded				
Friday, January 9, 2026	TORSION IN SHAFT	Torsion equation application	4 PM - 5 PM	Recorded		Concept of MMT-1	Recorded				
Monday, January 12, 2026		Concepts of normal and shear stress in oblique plane	4 PM - 5 PM	Recorded		Concept of MMT-2	Recorded				
Tuesday, January 13, 2026	Combined stress	Concepts of principle plane ,stress	4 PM - 5 PM	Recorded	Machine & Machine Tools	Concept of MMT-3	Recorded				
Wednesday, January 14, 2026		Mohr Circle	4 PM - 5 PM	Recorded		Concept of MMT-4	Recorded				
Thursday, January 15, 2026		Basic , types of beam support , reaction calculation	4 PM - 5 PM	Recorded		Concept of MMT-5	Recorded				
Friday, January 16, 2026	SFD AND BMD	SFD & BMD OF Cantiliver & ssb beam	4 PM - 5 PM	Recorded	Metal Forming & Sheet Metals	Metal Forming-1	Recorded				

Monday, January 19, 2026		SFD & BMD combination of load	4 PM - 5 PM		Recorded		Metal Forming-2	Recorded						
Tuesday, January 20, 2026	SLOPE AND DEFLECTION	Basic and Method of slope and deflection	4 PM - 5 PM		Recorded		Metal Forming-3	Recorded						
Wednesday, January 21, 2026		Slope and deflection of cantiliver	4 PM - 5 PM		Recorded		Metal Forming-4	Recorded						
Thursday, January 22, 2026		Slope and deflection of SSB beam	4 PM - 5 PM		Recorded		Metal Forming-5	Recorded						
Friday, January 23, 2026	COLUMN AND STRUT	Basic and eulers and rankine formula	4 PM - 5 PM		Recorded		Sheet Metal Operations	Recorded						
Monday, January 26, 2026	THIN AND THICK CYLINDER	Basic and thin cylinder stress calculation	4 PM - 5 PM		Recorded	Metrology	Metrology-1	Recorded						
Tuesday, January 27, 2026	THEORY OF FAILURE	Theory of failure-1	4 PM - 5 PM		Recorded		Metrology-2	Recorded						
Wednesday, January 28, 2026		Theory of failure-2	4 PM - 5 PM		Recorded		Metrology-3	Recorded						
Thursday, January 29, 2026	LIVE DOUBT AND MISCELLANEOUS	Live doubt and miscellaneous-1	4 PM - 5 PM		Recorded		Metrology-4	Recorded						
Friday, January 30, 2026		Live doubt and miscellaneous-2	4 PM - 5 PM		Recorded		Metrology-5	Recorded						
Monday, February 2, 2026		Live doubt and miscellaneous-3	4 PM - 5 PM		Recorded	Unconventional Machining	Unconventional Machining-1	Recorded						
Rahul Sir Hydraulic Machines				Recorded			Unconventional Machining-2	Recorded						
				Recorded	Jigs and Fixtures	Jigs & Fixtures	Recorded							
Date	Chapter	Title	Timing	Dheeraj sir Material Science										
Recorded	HYDRAULIC MACHINE	Impact of jet	Recorded											
Recorded		Turbine basic , classification	Recorded	Date	Chapter	Title	Timing							
Recorded		Pelton wheel , francis , kaplan turbine	Recorded	Recorded	Introduction	Introduction-1	9:30PM - 10:30PM							
Recorded		Pump-1	Recorded	Recorded		Introduction-2	9:30PM - 10:30PM							
Recorded		Pump-2	Recorded	Recorded	Structure and Properties of Engineering Material	Crystalline Materials-1	9:30PM - 10:30PM							
Recorded	LIVE DOUBT AND MISCELLANEOUS	Live doubt and miscellaneous-1	Recorded	Recorded		Crystalline Materials-2	9:30PM - 10:30PM							

Recorded		Live doubt and miscellaneous-2	Recorded	Recorded		Crystalline Materials-3	9:30PM - 10:30PM				
Recorded		Live doubt and miscellaneous-3	Recorded	Recorded		Crystalline Materials-4	9:30PM - 10:30PM				
Rahul Sir Engineering Mechanics				Recorded		Steel-1	9:30PM - 10:30PM				
Date	Chapter	Title	Timing	Recorded	Steel	Steel-2	9:30PM - 10:30PM				
Recorded	Basic of forces	Basic of forces-1	Recorded	Recorded		Steel-3	9:30PM - 10:30PM				
Recorded		Basic of forces-2	Recorded	Recorded	Heat Treatment of steel	Heat treatment of steel-1	9:30PM - 10:30PM				
Recorded		Basic of forces-3	Recorded	Recorded		Heat treatment of steel-2	9:30PM - 10:30PM				
Recorded		Basic of forces-4	Recorded	Recorded	Cast Iron	Cast Iron	9:30PM - 10:30PM				
Recorded		Basic of forces-5	Recorded								
Recorded	Types of beam	Types of beam-1	Recorded								
Recorded		Types of beam-2	Recorded								
Recorded	Concepts of friction	Concepts of friction-1	Recorded								
Recorded		Concepts of friction -2	Recorded								
Recorded		Concepts of friction -3	Recorded								
Recorded	Moment of Inertia	Moment of Inertia-1	Recorded								
Recorded		Moment of Inertia-2	Recorded								
Recorded		Moment of Inertia-3	Recorded								
Recorded	Conservation of momentum and energy	Conservation of momentum and energy-1	Recorded								
Recorded		Conservation of momentum and energy-2	Recorded								

Simple Mechanism-2	8:00PM-8:59PM								
Simple Mechanism-3	8:00PM-8:59PM								
Simple Mechanism-4	8:00PM-8:59PM								
Simple Mechanism-5	8:00PM-8:59PM								
Simple Mechanism-6	8:00PM-8:59PM								
Motion Analysis-1	8:00PM-8:59PM								
Motion Analysis-2	8:00PM-8:59PM								
Gear-1	8:00PM-8:59PM								
Gear-2	8:00PM-8:59PM								
Gear-3	8:00PM-8:59PM								
Gear-4	8:00PM-8:59PM								

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Performance of IC Engine-2	4 PM - 5 PM							
Performance of IC Engine-3	4 PM - 5 PM							
Performance of IC Engine-4	4 PM - 5 PM							
Combustion in SI and CI engine-1	4 PM - 5 PM							
Combustion in SI and CI engine-2	4 PM - 5 PM							
Combustion in SI and CI engine-3	4 PM - 5 PM							
Combustion in SI and CI engine-4	4 PM - 5 PM							
Lubrication & cooling-1	4 PM - 5 PM							
Lubrication & cooling-2	4 PM - 5 PM							