

## STUDY PLAN

Thermodynamics				Production Engineering				Rahul Sir Fluid Mechanics			
Date	Chapter	Title	Timing	Date	Chapter	Title	Timing	Date	Topic	Title	Timing
Friday, February 27, 2026	Thermodynamics system and processes	Basics Concept-1	4 PM - 5 PM		Machine & Machine Tools	Concept of MMT-1	Recording	Friday, April 3, 2026	Orientation	Orientation	7 PM - 8 PM
Monday, March 2, 2026		Basics Concept-2	4 PM - 5 PM			Concept of MMT-2	Recording	Monday, April 6, 2026		FLUID PROPERTY	Basic introduction
Tuesday, March 3, 2026	Heat and Work	Heat and work-1	4 PM - 5 PM			Concept of MMT-3	Recording	Tuesday, April 7, 2026	Bulk modulus , Density		7 PM - 8 PM
Thursday, March 5, 2026		Heat and work-2	4 PM - 5 PM	Tuesday, May 26, 2026		Concept of MMT-4	Recording	Wednesday, April 8, 2026		Specific gravity and Specific Weight	7 PM - 8 PM
Friday, March 6, 2026			4 PM - 5 PM	Wednesday, May 27, 2026	Welding-1	4 PM - 5 PM	Thursday, April 9, 2026	Viscosity	7 PM - 8 PM		
Monday, March 9, 2026	First law of thermodynamics	First law of thermodynamics-1	4 PM - 5 PM	Thursday, May 28, 2026	Welding-2	4 PM - 5 PM	Friday, April 10, 2026		Newton law of viscosity	7 PM - 8 PM	
Tuesday, March 10, 2026		First law of thermodynamics-2	4 PM - 5 PM	Friday, May 29, 2026	Welding-3	4 PM - 5 PM	Monday, April 13, 2026	Fluid classification		7 PM - 8 PM	
Wednesday, March 11, 2026		First law of thermodynamics-3	4 PM - 5 PM	Monday, June 1, 2026	Welding-4	4 PM - 5 PM	Tuesday, April 14, 2026		SURFACE TENSION	Surface tension	7 PM - 8 PM
Thursday, March 12, 2026		First law of thermodynamics-4	4 PM - 5 PM	Tuesday, June 2, 2026	Welding-5	4 PM - 5 PM	Wednesday, April 15, 2026	CAPILLARY		Capillary	7 PM - 8 PM
Friday, March 13, 2026		First law of thermodynamics-5	4 PM - 5 PM	Wednesday, June 3, 2026	Welding-6	4 PM - 5 PM	Thursday, April 16, 2026		PRESSURE	Basic , Types of pressure	7 PM - 8 PM
Monday, March 16, 2026	Second law of thermodynamics and Entropy	Second law of thermodynamics-1	4 PM - 5 PM	Thursday, June 4, 2026	Welding-7	4 PM - 5 PM	Friday, April 17, 2026	Pascal and hydrostatic law		7 PM - 8 PM	
Tuesday, March 17, 2026		Second law of thermodynamics-2	4 PM - 5 PM	Friday, June 5, 2026	Welding-8	4 PM - 5 PM	Monday, April 20, 2026			Pressure measuring device -1	7 PM - 8 PM
Wednesday, March 18, 2026		Entropy part-1	4 PM - 5 PM	Monday, June 8, 2026	Welding-9	4 PM - 5 PM	Tuesday, April 21, 2026	Pressure measuring device -2			7 PM - 8 PM
Thursday, March 19, 2026		Entropy part-2	4 PM - 5 PM	Tuesday, June 9, 2026	Welding-10	4 PM - 5 PM	Wednesday, April 22, 2026			BUOYANCY AND FLOATATION	Basic concepts , principle of floatation
Friday, March 20, 2026		Entropy part-3	4 PM - 5 PM	Wednesday, June 10, 2026	Casting-1	4 PM - 5 PM	Thursday, April 23, 2026	Stability condition of submerged body	7 PM - 8 PM		
Monday, March 23, 2026	Entropy part-4	4 PM - 5 PM	Thursday, June 11, 2026	Casting-2	4 PM - 5 PM	Friday, April 24, 2026	Concept of metacentre		7 PM - 8 PM		

Tuesday, March 24, 2026	Properties of pure substance	Properties of pure substance part 1	4 PM - 5 PM	Friday, June 12, 2026	Casting	Casting-4	4 PM - 5 PM	Monday, April 27, 2026	HYDROSTATICS FORCE	Stability condition of floating body	7 PM - 8 PM	
Wednesday, March 25, 2026		Properties of pure substance part 2	4 PM - 5 PM	Monday, June 15, 2026		Casting-5	4 PM - 5 PM	Tuesday, April 28, 2026		Hydro-static forces on plane	7 PM - 8 PM	
Thursday, March 26, 2026		Properties of pure substance part 3	4 PM - 5 PM	Tuesday, June 16, 2026		Casting-6	4 PM - 5 PM	Wednesday, April 29, 2026	Hydro-static forces on curved surface	7 PM - 8 PM		
Friday, March 27, 2026		Properties of pure substance part 4	4 PM - 5 PM	Wednesday, June 17, 2026		Casting-7	4 PM - 5 PM	Thursday, April 30, 2026	FLUID KINEMATICS	Basic and types of flow	7 PM - 8 PM	
			Thursday, June 18, 2026	Casting-8		4 PM - 5 PM	Friday, May 1, 2026	Stream, path and streak line		7 PM - 8 PM		
Power Plant Engineering				Friday, June 19, 2026		Casting-9	4 PM - 5 PM	Monday, May 4, 2026		Continuity equation	7 PM - 8 PM	
				Monday, June 22, 2026		Casting-10	4 PM - 5 PM	Tuesday, May 5, 2026		Velocity and stream function	7 PM - 8 PM	
Date	Chapter	Title	Timing	Tuesday, June 23, 2026		Metal Forming & Sheet Metals	Metal Forming-1	4 PM - 5 PM	Wednesday, May 6, 2026	FLUID DYNAMICS	Eulers , B.E equation	7 PM - 8 PM
Monday, March 30, 2026	Boiler	Boiler Classification, Fittings & Accessories part 1	4 PM - 5 PM	Wednesday, June 24, 2026			Metal Forming-2	4 PM - 5 PM	Thursday, May 7, 2026		Application of B.E Equation	7 PM - 8 PM
Tuesday, March 31, 2026	Rankine Cycle	Rankine Cycle part 1	4 PM - 5 PM	Thursday, June 25, 2026			Metal Forming-3	4 PM - 5 PM	Friday, May 8, 2026	Basic introduction , shear stress and velocity profile	7 PM - 8 PM	
Wednesday, April 1, 2026		Rankine Cycle part 2	4 PM - 5 PM	Friday, June 26, 2026	Metal Forming-4		4 PM - 5 PM	Monday, May 11, 2026	Pressure drop , friction factor		7 PM - 8 PM	
Thursday, April 2, 2026	Brayton Cycle	Brayton Cycle part 1	4 PM - 5 PM	Monday, June 29, 2026	Metal Forming-5		4 PM - 5 PM	Tuesday, May 12, 2026	LAMINAR & TURBULENT FLOW	Turbulent flow	7 PM - 8 PM	
Friday, April 3, 2026		Brayton Cycle part 2	4 PM - 5 PM	Tuesday, June 30, 2026	Metal Forming-6		4 PM - 5 PM	Wednesday, May 13, 2026	FLOW THROUGH PIPE	Major , minor losses	7 PM - 8 PM	
Monday, April 6, 2026	Air Compressors & their cycles	Air Compressors & their cycles part 1	4 PM - 5 PM	Wednesday, July 1, 2026	Metal Forming-7		4 PM - 5 PM	Thursday, May 14, 2026		Concept of equivalent pipe and maximum efficiency	7 PM - 8 PM	
Tuesday, April 7, 2026		Air Compressors & their cycles part 2	4 PM - 5 PM	Thursday, July 2, 2026	Metal Forming-8		4 PM - 5 PM	Friday, May 15, 2026	BOUNDARY LAYER THEORY	Boundry layer theory	7 PM - 8 PM	
Wednesday, April 8, 2026		Air Compressors & their cycles part 3	4 PM - 5 PM	Friday, July 3, 2026	Metal Forming-9		4 PM - 5 PM	Monday, May 18, 2026		VORTEX MOTION	Free Vortex motion	7 PM - 8 PM
Thursday, April 9, 2026		Air Compressors & their cycles part 4	4 PM - 5 PM	Monday, July 6, 2026	Metal Forming-10		4 PM - 5 PM	Tuesday, May 19, 2026	Forced Vortex motion		7 PM - 8 PM	
Friday, April 10, 2026	Steam Turbines & Nozzles	Steam Turbines & Nozzles part 1	4 PM - 5 PM	Tuesday, July 7, 2026	Metrology	Metrology-1	4 PM - 5 PM	Wednesday, May 20, 2026	MODELLING AND SIMILITUDE	Similarity , dimensionless number	7 PM - 8 PM	
Monday, April 13, 2026		Steam Turbines & Nozzles part 2	4 PM - 5 PM	Wednesday, July 8, 2026		Metrology-2	4 PM - 5 PM	Thursday, May 21, 2026		Miscellaneous	Miscellaneous	7 PM - 8 PM
Tuesday, April 14, 2026		Steam Turbines & Nozzles part 3	4 PM - 5 PM	Thursday, July 9, 2026		Metrology-3	4 PM - 5 PM	Friday, May 22, 2026	Miscellaneous		7 PM - 8 PM	

Wednesday, April 15, 2026		Steam Turbines & Nozzles part 4	4 PM - 5 PM	Friday, July 10, 2026		Metrology-4	4 PM - 5 PM	Monday, May 25, 2026		Miscellaneous	7 PM - 8 PM	
Thursday, April 16, 2026		Steam Turbines & Nozzles part 5	4 PM - 5 PM	Monday, July 13, 2026		Metrology-5	4 PM - 5 PM	Tuesday, May 26, 2026		Miscellaneous	7 PM - 8 PM	
Friday, April 17, 2026		Steam Turbines & Nozzles part 6	4 PM - 5 PM	Tuesday, July 14, 2026		Concept of MMT-1	4 PM - 5 PM	Wednesday, May 27, 2026		Miscellaneous	7 PM - 8 PM	
				Wednesday, July 15, 2026		Concept of MMT-2	4 PM - 5 PM	Thursday, May 28, 2026		Miscellaneous	7 PM - 8 PM	
<b>Rahul sir IC Engine</b>				Thursday, July 16, 2026		Concept of MMT-3	4 PM - 5 PM	Friday, May 29, 2026		Miscellaneous	7 PM - 8 PM	
				Friday, July 17, 2026		Concept of MMT-4	4 PM - 5 PM	Monday, June 1, 2026		Miscellaneous	7 PM - 8 PM	
				Monday, July 20, 2026		Concept of MMT-5	4 PM - 5 PM	Tuesday, June 2, 2026		Miscellaneous	7 PM - 8 PM	
				Tuesday, July 21, 2026		Concept of MMT-6	4 PM - 5 PM	Wednesday, June 3, 2026		Miscellaneous	7 PM - 8 PM	
Monday, April 20, 2026	<b>IC engine cycle</b>	Basic and Air standard cycle-1	4 PM - 5 PM	Wednesday, July 22, 2026		Concept of MMT-7	4 PM - 5 PM	Thursday, June 4, 2026		Miscellaneous	7 PM - 8 PM	
Tuesday, April 21, 2026	<b>4s &amp; 2s Engines</b>	4s & 2s Engine-1	4 PM - 5 PM	Thursday, July 23, 2026	<b>Machine &amp; Machine Tools</b>	Concept of MMT-8	4 PM - 5 PM	<b>Rahul sir Strength of Materials</b>				
Wednesday, April 22, 2026		4s & 2s Engine-2	4 PM - 5 PM	Friday, July 24, 2026		Concept of MMT-9	4 PM - 5 PM	<b>Date</b>	<b>Chapter</b>	<b>Title</b>	<b>Timing</b>	
Thursday, April 23, 2026		4s & 2s Engine-3	4 PM - 5 PM	Monday, July 27, 2026		Concept of MMT-10	4 PM - 5 PM	Friday, June 5, 2026	<b>Orientation</b>	Orientation	7 PM - 8 PM	
Friday, April 24, 2026	<b>IC Engine Performance</b>	Performance of IC Engine-1	4 PM - 5 PM	Tuesday, July 28, 2026		<b>Unconventional Machining</b>	Unconventional Machining-1	4 PM - 5 PM	Monday, June 8, 2026	<b>STRESS AND STRAIN</b>	Basic introduction , Load classification	7 PM - 8 PM
Monday, April 27, 2026		Performance of IC Engine-2	4 PM - 5 PM	Wednesday, July 29, 2026			Unconventional Machining-2	4 PM - 5 PM	Tuesday, June 9, 2026		Concept of stress and strain	7 PM - 8 PM
Tuesday, April 28, 2026		Performance of IC Engine-3	4 PM - 5 PM	Thursday, July 30, 2026		<b>Jigs and Fixtures</b>	Jigs & Fixtures	4 PM - 5 PM	Wednesday, June 10, 2026		Mechanical properties of materials	7 PM - 8 PM
Wednesday, April 29, 2026	<b>Combustion in SI and CI engines</b>	Combustion in SI and CI engine-1	4 PM - 5 PM	Friday, July 31, 2026		<b>Metal Cutting</b>	Metal Cutting-1	4 PM - 5 PM	Thursday, June 11, 2026		Stress vs strain curve for all materials	7 PM - 8 PM
Thursday, April 30, 2026		Combustion in SI and CI engine-2	4 PM - 5 PM	Monday, August 3, 2026			Metal Cutting-2	4 PM - 5 PM	Friday, June 12, 2026		Elastic constant	7 PM - 8 PM
Friday, May 1, 2026		Combustion in SI and CI engine-3	4 PM - 5 PM	Tuesday, August 4, 2026			Metal Cutting-3	4 PM - 5 PM	Monday, June 15, 2026		Concepts of deformation-1	7 PM - 8 PM
Monday, May 4, 2026		Combustion in SI and CI engine-4	4 PM - 5 PM	Wednesday, August 5, 2026			Metal Cutting-4	4 PM - 5 PM	Tuesday, June 16, 2026		Concepts of deformation-2	7 PM - 8 PM
Tuesday, May 5, 2026	<b>Lubrication &amp; Cooling</b>	Lubrication & cooling-1	4 PM - 5 PM	Thursday, August 6, 2026		Metal Cutting-5	4 PM - 5 PM	Wednesday, June 17, 2026	<b>STRAIN ENERGY</b>		Strain energy due axial and self weight	7 PM - 8 PM



Industrial Engineering						Welded joint subjected to torsion moment	Recording	Wednesday, July 15, 2026	THEORY OF FAILURE	Theory of failure-1	7 PM - 8 PM	
Date	Chapter	Title	Timing			Design of shaft for variable load-1	Recording	Thursday, July 16, 2026		Theory of failure-2	7 PM - 8 PM	
Tuesday, July 7, 2026	Introduction and BEA	Introduction & BEA-1	7 PM - 8 PM		Shaft Key and Coupling	Design of shaft for variable load-2	Recording	Friday, July 17, 2026	LIVE DOUBT AND MISCELLANEOUS	Live doubt and miscellaneous-1	7 PM - 8 PM	
Wednesday, July 8, 2026		Introduction & BEA-2	7 PM - 8 PM			Design of shaft for variable load-3	Recording	Monday, July 20, 2026		Live doubt and miscellaneous-2	7 PM - 8 PM	
Thursday, July 9, 2026	Inventory Control	Inventory-1	7 PM - 8 PM		Sliding contact bearing	Journal Bearing-1	Recording	Tuesday, July 21, 2026	LIVE DOUBT AND MISCELLANEOUS	Live doubt and miscellaneous-3	7 PM - 8 PM	
Friday, July 10, 2026		Inventory-2	7 PM - 8 PM			Journal Bearing-2	Recording	Wednesday, July 22, 2026		Streth of material	SOM-34	7 PM - 8 PM
Monday, July 13, 2026		Inventory-3	7 PM - 8 PM		Rolling contact bearing	Roller bearing-1	Recording	Thursday, July 23, 2026		Streth of material	SOM-35	7 PM - 8 PM
Tuesday, July 14, 2026		Inventory-4	7 PM - 8 PM			Roller bearing-2	Recording	Friday, July 24, 2026	Streth of material	SOM-36	7 PM - 8 PM	
Wednesday, July 15, 2026		Inventory-3	7 PM - 8 PM			Roller bearing-3	Recording	Monday, July 27, 2026	Streth of material	SOM-37	7 PM - 8 PM	
Thursday, July 16, 2026	Sequencing	Sequencing-1	7 PM - 8 PM		Design of Gears	Laws of gearing	Recording	Tuesday, July 28, 2026	Streth of material	SOM-38	7 PM - 8 PM	
Friday, July 17, 2026		Sequencing-2	7 PM - 8 PM			Types of Gears	Recording	Wednesday, July 29, 2026	Streth of material	SOM-39	7 PM - 8 PM	
Monday, July 20, 2026		Sequencing-3	7 PM - 8 PM		Spring	Spring-1	Recording	Thursday, July 30, 2026	Streth of material	SOM-40	7 PM - 8 PM	
Tuesday, July 21, 2026	PERT & CPM	PERT & CPM-1	7 PM - 8 PM			Spring-2	Recording	Friday, July 31, 2026	Streth of material	SOM-41	7 PM - 8 PM	
Wednesday, July 22, 2026		PERT & CPM-2	7 PM - 8 PM				Monday, August 3, 2026	Streth of material	SOM-42	7 PM - 8 PM		
Thursday, July 23, 2026		PERT & CPM-3	7 PM - 8 PM				Tuesday, August 4, 2026	Streth of material	SOM-43	7 PM - 8 PM		
Friday, July 24, 2026		PERT & CPM-4	7 PM - 8 PM		Rahul Sir Theory of Machines							
Monday, July 27, 2026		PERT & CPM-5	7 PM - 8 PM		Rahul Sir Hydraulic Machines							
Tuesday, July 28, 2026		PERT & CPM-6	7 PM - 8 PM									
			Forecasting-1	7 PM - 8 PM		Mechanism and machines	Simple Mechanism-1	Recording				
						Simple Mechanism-2	Recording	Wednesday, August 5, 2026	HYDRAULIC MACHINE	Impact of jet	7 PM - 8 PM	

Wednesday, July 29, 2026		Forecasting-2	7 PM - 8 PM			Simple Mechanism-3	Recording	Thursday, August 6, 2026		Turbine basic , classification	7 PM - 8 PM	
Thursday, July 30, 2026		Forecasting-3	7 PM - 8 PM			Simple Mechanism-4	Recording	Friday, August 7, 2026		Pelton wheel , francis , kaplan turbine	7 PM - 8 PM	
Friday, July 31, 2026	<b>Forecasting</b>	Forecasting-4	7 PM - 8 PM			Simple Mechanism-5	Recording	Monday, August 10, 2026		Pump-1	7 PM - 8 PM	
Monday, August 3, 2026	<b>Queing Theory</b>	Queing Theory-1	7 PM - 8 PM			Simple Mechanism-6	Recording	Tuesday, August 11, 2026		Pump-2	7 PM - 8 PM	
Tuesday, August 4, 2026		Queing Theory-2	7 PM - 8 PM					Wednesday, August 12, 2026	<b>LIVE DOUBT AND MISCELLANEOUS</b>	Live doubt and miscellaneous-1	7 PM - 8 PM	
Wednesday, August 5, 2026	<b>Linear Programming</b>	Linear programming-1	7 PM - 8 PM		<b>Velocity and acceleration analysis</b>	Motion Analysis-1	Recording	Thursday, August 13, 2026		Live doubt and miscellaneous-2	7 PM - 8 PM	
Thursday, August 6, 2026		Linear programming-2	7 PM - 8 PM			Gear-1	Recording	Friday, August 14, 2026		Live doubt and miscellaneous-3	7 PM - 8 PM	
Friday, August 7, 2026		Linear programming-3	7 PM - 8 PM			Gear-2	Recording	<b>Rahul Sir Engineering Mechanics</b>				
Monday, August 10, 2026	<b>Transportation</b>	Transportation-1	7 PM - 8 PM		<b>Gear</b>	Gear-3	Recording	<b>Date</b>	<b>Chapter</b>	<b>Title</b>	<b>Timing</b>	
Tuesday, August 11, 2026		Transportation-2	7 PM - 8 PM			Gear-4	Recording	Monday, August 17, 2026	<b>Basic of forces</b>	Basic of forces-1	7 PM - 8 PM	
Wednesday, August 12, 2026	<b>Assignment</b>	Assignment-1	7 PM - 8 PM			Gear-5	Recording	Tuesday, August 18, 2026		Basic of forces-2	7 PM - 8 PM	
Thursday, August 13, 2026		Assignment-2	7 PM - 8 PM			Gear-6	Recording	Wednesday, August 19, 2026		Basic of forces-3	7 PM - 8 PM	
Friday, August 14, 2026	<b>MRP</b>	MRP-1	7 PM - 8 PM			<b>Gear Train</b>	Gear Train-1	Recording		Thursday, August 20, 2026	Basic of forces-4	7 PM - 8 PM
Monday, August 17, 2026		MRP-2	7 PM - 8 PM				Gear Train-2	Recording		Friday, August 21, 2026	Basic of forces-5	7 PM - 8 PM
<b>Material Science</b>						Governor-1	Recording	Monday, August 24, 2026	<b>Types of beam</b>	Types of beam-1	7 PM - 8 PM	
						Governor-2	Recording	Tuesday, August 25, 2026		Types of beam-2	7 PM - 8 PM	
					<b>Governor</b>	Governor-3	Recording	Wednesday, August 26, 2026	<b>Concepts of friction</b>	Concepts of friction-1	7 PM - 8 PM	
						Governor-4	Recording	Thursday, August 27, 2026		Concepts of friction -2	7 PM - 8 PM	
Tuesday, May 26, 2026	<b>Introduction</b>	Introduction-1	4 PM - 5 PM			Governor-5	Recording	Friday, August 28, 2026		Concepts of friction -3	7 PM - 8 PM	
Wednesday, May 27, 2026		Crystalline Materials-1	4 PM - 5 PM		<b>Flywheel</b>	Flywheel-1	Recording	Monday, August 31, 2026	<b>Moment of Inertia</b>	Moment of Inertia-1	7 PM - 8 PM	



					Heat, Mass & Transfer - 12	Recording				
					Heat, Mass & Transfer - 13	Recording				
					Heat, Mass & Transfer - 14	Recording				
					Heat, Mass & Transfer - 15	Recording				
					Heat, Mass & Transfer - 16	Recording				
					Heat, Mass & Transfer - 17	Recording				
					Heat, Mass & Transfer - 18	Recording				
					Heat, Mass & Transfer - 19	Recording				
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					Heat, Mass & Transfer - 28	Recording				
					Heat, Mass & Transfer - 29	Recording				
					Heat, Mass & Transfer - 30	Recording				