

Rahul sir Strength of Materials			
Date	Chapter	Title	Timing
Recorded	Orientation	Orientation	Recorded
Recorded		Basic introduction , Load classification	Recorded
Recorded		Concept of stress and strain	Recorded
Recorded		Mechanical properties of materials	Recorded
Recorded		Stress vs strain curve for all materials	Recorded
Monday, August 4, 2025	STRESS AND STRAIN	Elastic constant	7:00PM-7:59PM
Tuesday, August 5, 2025		Concepts of deformation-1	7:00PM-7:59PM
Wednesday, August 6, 2025		Concepts of deformation-2	7:00PM-7:59PM
Thursday, August 7, 2025	STRAIN ENERGY	Strain energy due axial and self weight	7:00PM-7:59PM
Friday, August 8, 2025		Thermal stress under free expansion	7:00PM-7:59PM
Monday, August 11, 2025	THERMAL STRESS	Thermal stress under fixed , composite beam	7:00PM-7:59PM
Tuesday, August 12, 2025		Shear in rectangular and triangular section	7:00PM-7:59PM
Wednesday, August 13, 2025	SHEAR IN BEAM	Shear in circular , IN section of beam	7:00PM-7:59PM
Thursday, August 14, 2025		Bending equation	7:00PM-7:59PM
Friday, August 15, 2025	BENDING IN BEAM	Application of bending equation	7:00PM-7:59PM
Monday, August 18, 2025		Torsion equation	7:00PM-7:59PM
Tuesday, August 19, 2025	TORSION IN SHAFT	Torsion equation application	7:00PM-7:59PM
Wednesday, August 20, 2025		Concepts of normal and shear stress in oblique plane	7:00PM-7:59PM
Thursday, August 21, 2025	Combined stress	Concepts of principle plane ,stress	7:00PM-7:59PM
Friday, August 22, 2025		Mohr Circle	7:00PM-7:59PM
Monday, August 25, 2025		Basic , types of beam support , reaction calculation	7:00PM-7:59PM
Tuesday, August 26, 2025	SFD AND BMD	SFD & BMD OF Cantiliver & ssb beam	7:00PM-7:59PM
Wednesday, August 27, 2025		SFD & BMD combination of load	7:00PM-7:59PM
Thursday, August 28, 2025	SLOPE AND DEFLECTION	Basic and Method of slope and deflection	7:00PM-7:59PM
Friday, August 29, 2025		Slope and deflection of cantiliver	7:00PM-7:59PM
Monday, September 1, 2025		Slope and deflection of SSB beam	7:00PM-7:59PM
Tuesday, September 2, 2025	COLUMN AND STRUT	Basic and eulers and rankine formula	7:00PM-7:59PM
Wednesday, September 3, 2025		Basic and thin cylinder stress calculation	7:00PM-7:59PM
Thursday, September 4, 2025	THIN AND THICK CYLINDER	Theory of failure-1	7:00PM-7:59PM
Friday, September 5, 2025		Theory of failure-2	7:00PM-7:59PM
Saturday, September 6, 2025	THEORY OF FAILURE	Live doubt and miscellaneous-1	7:00PM-7:59PM
Sunday, September 7, 2025		Live doubt and miscellaneous-2	7:00PM-7:59PM
Monday, September 8, 2025	LIVE DOUBT AND MISCELLANEOUS	Live doubt and miscellaneous-3	7:00PM-7:59PM

Rahul Sir Fluid Mechanics			
Date	Topic	Title	Timing
Wednesday, August 20, 2025	Orientation	Orientation	Recorded
Thursday, August 21, 2025		Basic introduction	Recorded
Friday, August 22, 2025		Bulk modulus , Density	Recorded
Monday, August 25, 2025		Specific gravity and Specific Weight	Recorded
Tuesday, August 26, 2025		Viscosity	Recorded
Wednesday, August 27, 2025	FLUID PROPERTY	Newton law of viscosity	Recorded
Thursday, August 28, 2025		Fluid classification	Recorded
Friday, August 29, 2025	SURFACE TENSION	Surface tension	Recorded
Monday, September 1, 2025		Capillary	Recorded
Tuesday, September 2, 2025	CAPILLARY	Basic , Types of pressure	Recorded
Wednesday, September 3, 2025		Pascal and hydrostatic law	Recorded
Thursday, September 4, 2025		Pressure measuring device -1	Recorded
Friday, September 5, 2025	PRESSURE	Pressure measuring device -2	Recorded
Monday, September 8, 2025		Basic concepts , principle of floatation	Recorded
Tuesday, September 9, 2025		Stability condition of submerged body	Recorded
Wednesday, September 10, 2025	BUOYANCY AND FLOATATION	Concept of metacentre	Recorded
Thursday, September 11, 2025		Stability condition of floating body	Recorded
Friday, September 12, 2025		Hydro-static forces on plane	Recorded
Monday, September 15, 2025	HYDROSTATICS FORCE	Hydro-static forces on curved surface	Recorded
Tuesday, September 16, 2025		Basic and types of flow	Recorded
Wednesday, September 17, 2025		Stream, path and streak line	Recorded
Thursday, September 18, 2025	FLUID KINEMATICS	Continuity equation	Recorded
Friday, September 19, 2025		Velocity and stream function	Recorded
Monday, September 22, 2025	FLUID DYNAMICS	Eulers , B.E equation	Recorded
Tuesday, September 23, 2025		Application of B.E Equation	Recorded
Wednesday, September 24, 2025		Basic introduction , shear stress and velocity profile	Recorded
Thursday, September 25, 2025	LAMINAR & TURBULENT FLOW	Pressure drop , friction factor	Recorded
Friday, September 26, 2025		Turbulent flow	Recorded
Monday, September 29, 2025		Major , minor losses	Recorded
Tuesday, September 30, 2025	FLOW THROUGH PIPE	Concept of equivalent pipe and maximum efficiency	Recorded
Wednesday, October 1, 2025		Boundary layer theory	Recorded
Thursday, October 2, 2025	BOUNDRY LAYER THEORY	Free Vortex motion	Recorded
Friday, October 3, 2025		Forced Vortex motion	Recorded
Saturday, October 4, 2025	VORTEX MOTION	Similarity , dimensionless number	Recorded
MODELLING AND SIMILITUDE			

Rahul Sir Hydraulic Machines			
Date	Chapter	Title	Timing

Shivam sir Production Engineering			
Date	Chapter	Title	Timing
Saturday, August 2, 2025		Introduction to Casting	5:00PM-6:00PM
Monday, August 4, 2025		Casting-1	5:00PM-6:00PM
Tuesday, August 5, 2025		Casting-2	5:00PM-6:00PM
Wednesday, August 6, 2025		Casting-3	5:00PM-6:00PM
Thursday, August 7, 2025		Casting-4	5:00PM-6:00PM
Friday, August 8, 2025		Casting-5	5:00PM-6:00PM
Monday, August 11, 2025		Casting-6	5:00PM-6:00PM
Tuesday, August 12, 2025		Casting-7	5:00PM-6:00PM
Wednesday, August 13, 2025	Metal Casting	Casting-8	5:00PM-6:00PM
Thursday, August 14, 2025		Introduction to Welding	5:00PM-6:00PM
Friday, August 15, 2025		Welding-1	5:00PM-6:00PM
Monday, August 18, 2025		Welding-2	5:00PM-6:00PM
Tuesday, August 19, 2025		Welding-3	5:00PM-6:00PM
Wednesday, August 20, 2025		Welding-4	5:00PM-6:00PM
Thursday, August 21, 2025		Welding-5	5:00PM-6:00PM
Friday, August 22, 2025		Welding-6	5:00PM-6:00PM
Monday, August 25, 2025	Joining	Welding-7	5:00PM-6:00PM
Tuesday, August 26, 2025		Welding-8	5:00PM-6:00PM
Wednesday, August 27, 2025		Metal Cutting-1	5:00PM-6:00PM
Thursday, August 28, 2025		Metal Cutting-2	5:00PM-6:00PM
Friday, August 29, 2025	Metal Cutting	Metal Cutting-3	5:00PM-6:00PM
Monday, September 1, 2025		Metal Cutting-4	5:00PM-6:00PM
Tuesday, September 2, 2025		Metal Cutting-5	5:00PM-6:00PM
Wednesday, September 3, 2025		Metal Cutting-6	5:00PM-6:00PM
Thursday, September 4, 2025		Concept of MMT-1	5:00PM-6:00PM
Friday, September 5, 2025		Concept of MMT-2	5:00PM-6:00PM
Saturday, September 6, 2025		Concept of MMT-3	5:00PM-6:00PM
Sunday, September 7, 2025		Concept of MMT-4	5:00PM-6:00PM
Monday, September 8, 2025	Machine & Machine Tools	Concept of MMT-5	5:00PM-6:00PM
Tuesday, September 9, 2025		Metal Forming-1	5:00PM-6:00PM
Wednesday, September 10, 2025		Metal Forming-2	5:00PM-6:00PM
Thursday, September 11, 2025		Metal Forming-3	5:00PM-6:00PM
Friday, September 12, 2025		Metal Forming-4	5:00PM-6:00PM
Saturday, September 13, 2025		Metal Forming-5	5:00PM-6:00PM
Sunday, September 14, 2025		Sheet Metal Operations	5:00PM-6:00PM
Monday, September 15, 2025		Metrology-1	5:00PM-6:00PM
Tuesday, September 16, 2025	Metal Forming & Sheet Metals	Metrology-2	5:00PM-6:00PM
Wednesday, September 17, 2025		Metrology-3	5:00PM-6:00PM
Thursday, September 18, 2025		Metrology-4	5:00PM-6:00PM
Friday, September 19, 2025		Metrology-5	5:00PM-6:00PM
Saturday, September 20, 2025	Unconventional Machining	Unconventional Machining-1	5:00PM-6:00PM
Sunday, September 21, 2025		Unconventional Machining-2	5:00PM-6:00PM
Monday, September 22, 2025	Jigs and Fixtures	Jigs & Fixtures	5:00PM-6:00PM

Shivam Sir Thermodynamics			
Date	Chapter	Title	Timing
Monday, August 4, 2025		Basics Concept-1	3:00PM-4:00PM
Tuesday, August 5, 2025		Basics Concept-2	3:00PM-4:00PM
Wednesday, August 6, 2025		Basics Concept-3	3:00PM-4:00PM
Thursday, August 7, 2025		Basics Concept-4	3:00PM-4:00PM
Friday, August 8, 2025		Heat and work-1	3:00PM-4:00PM
Saturday, August 9, 2025	Thermodynamics system and processes	Heat and work-2	3:00PM-4:00PM
Monday, August 11, 2025		Heat and work-3	3:00PM-4:00PM
Tuesday, August 12, 2025		Heat and work-4	3:00PM-4:00PM
Wednesday, August 13, 2025		First law of thermodynamics-1	3:00PM-4:00PM
Thursday, August 14, 2025		First law of thermodynamics-2	3:00PM-4:00PM
Friday, August 15, 2025		First law of thermodynamics-3	3:00PM-4:00PM
Saturday, August 16, 2025		First law of thermodynamics-4	3:00PM-4:00PM
Sunday, August 17, 2025		First law of thermodynamics-5	3:00PM-4:00PM
Monday, August 18, 2025		Second law of thermodynamics-1	3:00PM-4:00PM
Tuesday, August 19, 2025	First law of thermodynamics	Second law of thermodynamics-2	3:00PM-4:00PM
Wednesday, August 20, 2025		Entropy part-1	3:00PM-4:00PM
Thursday, August 21, 2025		Entropy part-2	3:00PM-4:00PM
Friday, August 22, 2025		Entropy part-3	3:00PM-4:00PM
Saturday, August 23, 2025	Second law of thermodynamics and Entropy	Entropy part-4	3:00PM-4:00PM
Sunday, August 24, 2025		Properties of pure substance part 1	3:00PM-4:00PM
Monday, August 25, 2025		Properties of pure substance part 2	3:00PM-4:00PM
Tuesday, August 26, 2025		Properties of pure substance part 3	3:00PM-4:00PM
Wednesday, August 27, 2025		Properties of pure substance part 4	3:00PM-4:00PM

Shivam sir : Power Plant Engineering			
Date	Chapter	Title	Timing

Monday, October 6, 2025		Impact of jet	Recorded
Tuesday, October 7, 2025		Turbine basic , classification	Recorded
Wednesday, October 8, 2025		Pelton wheel , francis , kaplan turbine	Recorded
Thursday, October 9, 2025		Pump-1	Recorded
Friday, October 10, 2025	<b>HYDRAULIC MACHINE</b>	Pump-2	Recorded
Monday, October 13, 2025		Live doubt and miscellaneous-1	Recorded
Tuesday, October 14, 2025		Live doubt and miscellaneous-2	Recorded
Wednesday, October 15, 2025	<b>LIVE DOUBT AND MISCELLANEOUS</b>	Live doubt and miscellaneous-3	Recorded
<b>Rahul Sir RAC</b>			
<b>Date</b>	<b>Chapter</b>	<b>Title</b>	<b>Timing</b>
Monday, August 25, 2025		Basics of refrigeration system 1	4:00PM-4:59PM
Tuesday, August 26, 2025	<b>Basic Introduction of RAC</b>	Basics of refrigeration system 2	4:00PM-4:59PM
Wednesday, August 27, 2025		Vapour Compression Refrigeration system 1	4:00PM-4:59PM
Thursday, August 28, 2025		Vapour Compression Refrigeration system 2	4:00PM-4:59PM
Friday, August 29, 2025		Vapour Compression Refrigeration system 3	4:00PM-4:59PM
Monday, September 1, 2025		Vapour Compression Refrigeration system 4	4:00PM-4:59PM
Tuesday, September 2, 2025	<b>Vapour Compression Refrigeration system</b>	Vapour Compression Refrigeration system 5	4:00PM-4:59PM
Wednesday, September 3, 2025		Types of refrigerants & Properties 1	4:00PM-4:59PM
Thursday, September 4, 2025		Types of refrigerants & Properties 2	4:00PM-4:59PM
Friday, September 5, 2025	<b>Refrigerants</b>	Types of refrigerants & Properties 3	4:00PM-4:59PM
Monday, September 8, 2025		Vapour absorption refrigeration system 1	4:00PM-4:59PM
Tuesday, September 9, 2025	<b>Vapour absorption refrigeration system</b>	Vapour absorption refrigeration system 2	4:00PM-4:59PM
Wednesday, September 10, 2025		Refrigeration equipments 1	4:00PM-4:59PM
Thursday, September 11, 2025		Refrigeration equipments 2	4:00PM-4:59PM
Friday, September 12, 2025	<b>Refrigeration Cycle and Devices</b>	Refrigeration equipments 3	4:00PM-4:59PM
Monday, September 15, 2025		Psychrometry 1	4:00PM-4:59PM
Tuesday, September 16, 2025		Psychrometry 2	4:00PM-4:59PM
Wednesday, September 17, 2025		Psychrometry 3	4:00PM-4:59PM
Thursday, September 18, 2025		Psychrometry 4	4:00PM-4:59PM
Friday, September 19, 2025		Psychrometry 5	4:00PM-4:59PM
Monday, September 22, 2025		Psychrometry 6	4:00PM-4:59PM
Tuesday, September 23, 2025	<b>Air conditioning</b>	Psychrometry 7	4:00PM-4:59PM

Monday, August 18, 2025		Boiler Classification, Fittings & Accessories part 1	5:00PM-6:00PM
Tuesday, August 19, 2025		Boiler Classification, Fittings & Accessories part 2	5:00PM-6:00PM
Wednesday, August 20, 2025		Boiler Classification, Fittings & Accessories part 3	5:00PM-6:00PM
Thursday, August 21, 2025		Boiler Classification, Fittings & Accessories part 4	5:00PM-6:00PM
Friday, August 22, 2025	<b>Boiler</b>	Boiler Classification, Fittings & Accessories part 5	5:00PM-6:00PM
Monday, August 25, 2025		Rankine Cycle part 1	5:00PM-6:00PM
Tuesday, August 26, 2025		Rankine Cycle part 2	5:00PM-6:00PM
Wednesday, August 27, 2025		Rankine Cycle part 3	5:00PM-6:00PM
Thursday, August 28, 2025	<b>Rankine Cycle</b>	Rankine Cycle part 4	5:00PM-6:00PM
Friday, August 29, 2025		Brayton Cycle part 1	5:00PM-6:00PM
Monday, September 1, 2025		Brayton Cycle part 2	5:00PM-6:00PM
Tuesday, September 2, 2025		Brayton Cycle part 3	5:00PM-6:00PM
Wednesday, September 3, 2025	<b>Brayton Cycle</b>	Brayton Cycle part 4	5:00PM-6:00PM
Thursday, September 4, 2025		Air Compressors & their cycles part 1	5:00PM-6:00PM
Friday, September 5, 2025		Air Compressors & their cycles part 2	5:00PM-6:00PM
Monday, September 8, 2025		Air Compressors & their cycles part 3	5:00PM-6:00PM
Tuesday, September 9, 2025	<b>Air Compressors &amp; their cycles</b>	Air Compressors & their cycles part 4	5:00PM-6:00PM
Wednesday, September 10, 2025		Steam Turbines & Nozzles part 1	5:00PM-6:00PM
Thursday, September 11, 2025		Steam Turbines & Nozzles part 2	5:00PM-6:00PM
Friday, September 12, 2025		Steam Turbines & Nozzles part 3	5:00PM-6:00PM
Monday, September 15, 2025		Steam Turbines & Nozzles part 4	5:00PM-6:00PM
Tuesday, September 16, 2025	<b>Steam Turbines &amp; Nozzles</b>	Steam Turbines & Nozzles part 5	5:00PM-6:00PM
<b>Shivam sir Material Science</b>			
<b>Date</b>	<b>Chapter</b>	<b>Title</b>	<b>Timing</b>
Monday, August 4, 2025		Introduction-1	3:00PM-4:00PM
Tuesday, August 5, 2025	<b>Introduction</b>	Introduction-2	3:00PM-4:00PM
Wednesday, August 6, 2025		Crystalline Materials-1	3:00PM-4:00PM
Thursday, August 7, 2025		Crystalline Materials-2	3:00PM-4:00PM
Friday, August 8, 2025		Crystalline Materials-3	3:00PM-4:00PM
Monday, August 11, 2025	<b>Structure and Properties of Engineering Material</b>	Crystalline Materials-4	3:00PM-4:00PM
Tuesday, August 12, 2025		Steel-1	3:00PM-4:00PM
Wednesday, August 13, 2025		Steel-2	3:00PM-4:00PM
Thursday, August 14, 2025	<b>Steel</b>	Steel-3	3:00PM-4:00PM
Friday, August 15, 2025		Heat treatment of steel-1	3:00PM-4:00PM
Monday, August 18, 2025	<b>Heat Treatment of steel</b>	Heat treatment of steel-2	3:00PM-4:00PM
Tuesday, August 19, 2025	<b>Cast Iron</b>	Cast Iron	3:00PM-4:00PM