

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 |

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| 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 | Tuesday, July 7, 2026 | Basic Introduction (System, Surroundings, Properties) | Recording-1 |
| Friday, July 3, 2026 | Slope & Deflection-1 | 7 PM - 8.30 PM | | Casting-1 | Recording-6 | Wednesday, July 8, 2026 | Properties & Types of System | Recording-2 |
| Monday, July 6, 2026 | Slope & Deflection-2 | 7 PM - 8.30 PM | | Casting-2 | Recording-7 | Thursday, July 9, 2026 | First Law of Thermodynamics - Part 1 | Recording-3 |
| Tuesday, July 7, 2026 | Columns & Struts | 7 PM - 8.30 PM | | Casting-3 | Recording-8 | Friday, July 10, 2026 | First Law of Thermodynamics - Part 2 | Recording-4 |
| Wednesday, July 8, 2026 | Thin & Thick Cylinder | 7 PM - 8.30 PM | | Casting-4 | Recording-9 | Monday, July 13, 2026 | 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 | Tuesday, July 14, 2026 | First Law MCQ | Recording-6 |
| Friday, July 10, 2026 | Theory of Failure-2 | 7 PM - 8.30 PM | | Metal Forming-1 | Recording-11 | Wednesday, July 15, 2026 | Steady Flow Energy Equation (SFEE) - Part 1 | Recording-7 |
| Monday, July 13, 2026 | Springs | 7 PM - 8.30 PM | | Metal Forming-2 | Recording-12 | Thursday, July 16, 2026 | Steady Flow Energy Equation (SFEE) - Part 2 | Recording-8 |
| Tuesday, July 14, 2026 | Basic Introduction | 7 PM - 8.30 PM | | | | Friday, July 17, 2026 | Second Law Introduction | Recording-9 |
| | Types of Loads & Classification-1 | Recording-1 | | | | Monday, July 20, 2026 | Kelvin Planck & Clausius Statements | Recording-10 |
| | Types of Loads & Classification-2 | Recording-2 | | | | Tuesday, July 21, 2026 | Heat Engine / Refrigerator / Heat Pump (COP, Efficiency) | Recording-11 |
| | Stress & Strain (Basics)-1 | Recording-3 | | | | Wednesday, July 22, 2026 | Numericals (Second Law) | Recording-12 |
| | Stress & Strain (Basics)-2 | Recording-4 | | | | Thursday, July 23, 2026 | Clausius Inequality & Entropy Intro | Recording-13 |
| | Stress & Strain (Basics)-3 | Recording-5 | | | | Friday, July 24, 2026 | Entropy Derivation - Part 1 | Recording-14 |
| | Stress-Strain Curve | Recording-6 | | | | Monday, July 27, 2026 | Entropy Derivation - Part 2 | Recording-15 |
| | Failure under Different Loading | Recording-7 | | | | Tuesday, July 28, 2026 | Revision - Thermodynamics | Recording-16 |
| | Elastic Constants | Recording-8 | | | | Wednesday, July 29, 2026 | Revision - Thermodynamics | Recording-17 |
| | Deformation (Series & Parallel)-1 | Recording-9 | | | | Thursday, July 30, 2026 | Properties of Pure Substance - Part 1 | Recording-18 |

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| Wednesday, August 5, 2026 | Hydrostatic Forces - Plane Surface | Recording-16 | | | | | | Basic Introduction | Recording-1 |
| Thursday, August 6, 2026 | Hydrostatic Forces - Curved Surface | Recording-17 | | | | | | Kinematic Pair & Classification-1 | Recording-2 |
| Friday, August 7, 2026 | Kinematics Intro + Types + Continuity | Recording-18 | | | | | | Kinematic Pair & Classification-2 | Recording-3 |
| Monday, August 10, 2026 | Velocity Potential & Stream Function - 1 | Recording-19 | | | | | | Degree of Freedom (DOF) | Recording-4 |
| Tuesday, August 11, 2026 | Velocity Potential & Stream Function - 2 | Recording-20 | | | | | | DOF Numericals-1 | Recording-5 |
| Wednesday, August 12, 2026 | Velocity Potential & Stream Function - 3 | Recording-21 | | | | | | DOF Numericals-2 | Recording-6 |
| Thursday, August 13, 2026 | Fluid Dynamics Intro + Bernoulli | Recording-22 | | | | | | Grashof's Law | Recording-7 |
| Friday, August 14, 2026 | Bernoulli Applications | Recording-23 | | | | | | Inversions (Four Bar & Slider)-1 | Recording-8 |
| Monday, August 17, 2026 | Orifice Meter & Pitot Tube | Recording-24 | | | | | | Inversions (Four Bar & Slider)-2 | Recording-9 |
| Tuesday, August 18, 2026 | Laminar Flow - 1 | Recording-25 | | | | | | Instantaneous Center | Recording-10 |
| Wednesday, August 19, 2026 | Laminar Flow - 2 | Recording-26 | | | | | | Flywheel-1 | Recording-11 |
| Thursday, August 20, 2026 | Laminar Flow - 3 | Recording-27 | | | | | | Flywheel-2 | Recording-12 |
| Friday, August 21, 2026 | Laminar vs Turbulent - 1 | Recording-28 | | | | | | Governor Intro | Recording-13 |
| Monday, August 24, 2026 | Laminar vs Turbulent - 2 | Recording-29 | | | | | | Governor Classification | Recording-14 |
| Tuesday, August 25, 2026 | Laminar vs Turbulent - 3 | Recording-30 | | | | | | Governor Performance | Recording-15 |
| Wednesday, August 26, 2026 | Boundary Layer Theory | Recording-31 | | | | | | Gears Intro & Classification-1 | Recording-16 |
| Thursday, August 27, 2026 | Vortex Flow (Free & Forced) | Recording-32 | | | | | | Gears Intro & Classification-2 | Recording-17 |
| Friday, August 28, 2026 | Flow Through Pipes - 1 | Recording-33 | | | | | | Gear Terminology | Recording-18 |
| Monday, August 31, 2026 | Flow Through Pipes - 2 | Recording-34 | | | | | | Gear Analysis | Recording-19 |
| Tuesday, September 1, 2026 | Flow Through Pipes - 3 | Recording-35 | | | | | | Gear Interference | Recording-20 |
| Wednesday, September 2, 2026 | Dimensional Analysis & Modelling | Recording-36 | | | | | | Balancing-1 | Recording-21 |
| Thursday, September 3, 2026 | OCF - 1 | Recording-37 | | | | | | Balancing-2 | Recording-22 |

Recordings will be added on 03rd June

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| Friday, September 4, 2026 | OCF - 2 | Recording-38 | | | | | Vibrations-1 | Recording-23 | | |
| Monday, September 7, 2026 | OCF - 3 | Recording-39 | | | | | Vibrations-2 | Recording-24 | | |
| Tuesday, September 8, 2026 | Impact of Jets - 1 | Recording-40 | | | | | Vibrations-3 | Recording-25 | | |
| Wednesday, September 9, 2026 | Impact of Jets - 2 | Recording-41 | | | | | Cam & Follower-1 | Recording-26 | | |
| Thursday, September 10, 2026 | Hydraulic Turbine Intro & Classification - 1 | Recording-42 | | | | | Cam & Follower-2 | Recording-27 | | |
| Friday, September 11, 2026 | Hydraulic Turbine Intro & Classification - 2 | Recording-43 | | | | | Rahul Sir : Heat & Mass Transfer | | | |
| Monday, September 14, 2026 | Types of Turbines - 1 | Recording-44 | | | | | Date | Title | Timing | |
| Tuesday, September 15, 2026 | Types of Turbines - 2 | Recording-45 | | | | | | Basic Introduction (Heat Transfer) | Recording-1 | |
| Wednesday, September 16, 2026 | Modeling & Similitude MCQ | Recording-46 | | | | | | Conduction-1 | Recording-2 | |
| Thursday, September 17, 2026 | Pumps - 1 | Recording-47 | | | | | | Conduction-2 | Recording-3 | |
| Friday, September 18, 2026 | Pumps - 2 | Recording-48 | | | | | | Conduction-3 | Recording-4 | |
| Monday, September 21, 2026 | Pumps - 3 | Recording-49 | | | | | | Fins | Recording-5 | |
| Rahul Sir : Engineering Mechanics | | | | | | | Recordings will be added on 03rd June | Convection-1 | Recording-6 | |
| Date | Title | Timing | | | | | | Convection-2 | Recording-7 | |
| Recordings will be added on 03rd June | Basic of forces-1 | Recording-1 | | | | | | Convection-3 | Recording-8 | |
| | Basic of forces-2 | Recording-2 | | | | | | Radiation-1 | Recording-9 | |
| | Basic of forces-3 | Recording-3 | | | | | | Radiation-2 | Recording-10 | |
| | Basic of forces-4 | Recording-4 | | | | | | Radiation-3 | Recording-11 | |
| | Basic of forces-5 | Recording-5 | | | | | | Rahul sir : IC Engine | | |
| | Types of beam-1 | Recording-6 | | | | | | Date | Title | Timing |
| | Types of beam-2 | Recording-7 | | | | | | Recordings will be added on 03rd June | Basic Introduction & Terminology | Recording-1 |
| | Concepts of friction-1 | Recording-8 | | | | | | | Air Standard Cycle + Otto Cycle Intro | Recording-2 |

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| | Concepts of friction -2 | Recording-9 | | | | | | Otto Cycle Detailed | Recording-3 |
| | Concepts of friction -3 | Recording-10 | | | | | | Diesel Cycle | Recording-4 |
| | Moment of Inertia-1 | Recording-11 | | | | | | Dual Cycle + Numericals | Recording-5 |
| | Moment of Inertia-2 | Recording-12 | | | | | | Efficiency Comparison of Cycles-1 | Recording-6 |
| | Moment of Inertia-3 | Recording-13 | | | | | | Efficiency Comparison of Cycles-2 | Recording-7 |
| | Conservation of momentum and energy-1 | Recording-14 | | | | | | Performance Analysis-1 | Recording-8 |
| | Conservation of momentum and energy-2 | Recording-15 | | | | | | Performance Analysis-1 | Recording-9 |
| Rahul Sir : Industrial Engineering | | | | | | | | SI Engine Combustion-1 | Recording-10 |
| Date | Title | Timing | | | | | | SI Engine Combustion-2 | Recording-11 |
| Recordings will be added on 03rd June | Introduction & BEA-1 | Recording-1 | | | | | | CI Engine Combustion-1 | Recording-12 |
| | Introduction & BEA-2 | Recording-2 | | | | | | CI Engine Combustion-2 | Recording-13 |
| | Inventory-1 | Recording-3 | | | | | | Carburetor | Recording-14 |
| | Inventory-2 | Recording-4 | | | | | | Fuel Quality & A/F Ratio | Recording-15 |
| | Inventory-3 | Recording-5 | | | | | | Octane & Cetane Number | Recording-16 |
| | Inventory-4 | Recording-6 | | | | | | Cooling System | Recording-17 |
| | Sequencing-1 | Recording-7 | | | | | | Lubrication System | Recording-18 |
| | Sequencing-2 | Recording-8 | | | | | | | |
| | Sequencing-3 | Recording-9 | | | | | | | |
| | PERT & CPM-1 | Recording-10 | | | | | | | |
| | PERT & CPM-2 | Recording-11 | | | | | | | |

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| | 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 | | | | | | |

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| 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 | | | | | | |
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| 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 | | | | | | |

