STUDY PLAN

Rakesh Sir : Material Science		
Date	**Title**	**Timing**
Friday, October 16, 2026	Introduction-1	5 PM - 6 PM
Monday, October 19, 2026	Crystalline Materials-1	5 PM - 6 PM
Tuesday, October 20, 2026	Crystalline Materials-2	5 PM - 6 PM
Wednesday, October 21, 2026	Steel-1	5 PM - 6 PM
Thursday, October 22, 2026	Heat treatment of steel-1	5 PM - 6 PM
Friday, October 23, 2026	Cast Iron	5 PM - 6 PM

Rakesh Sir : Industrial Engineering		
Date	**Title**	**Timing**
Monday, October 26, 2026	Introduction & BEA-1	5 PM - 6 PM
Tuesday, October 27, 2026	Introduction & BEA-2	5 PM - 6 PM
Wednesday, October 28, 2026	Inventory-1	5 PM - 6 PM
Thursday, October 29, 2026	Inventory-2	5 PM - 6 PM
Friday, October 30, 2026	Inventory-3	5 PM - 6 PM
Monday, November 2, 2026	Inventory-4	5 PM - 6 PM
Tuesday, November 3, 2026	Sequencing-1	5 PM - 6 PM
Wednesday, November 4, 2026	Sequencing-2	5 PM - 6 PM
Thursday, November 5, 2026	Sequencing-3	5 PM - 6 PM
Friday, November 6, 2026	PERT & CPM-1	5 PM - 6 PM

Rakesh Sir : IC Engine		
Date	**Title**	**Timing**
Monday, October 19, 2026	Basic Introduction & Terminology	3PM - 4PM
Tuesday, October 20, 2026	Air Standard Cycle + Otto Cycle Intro	3PM - 4PM
Wednesday, October 21, 2026	Otto Cycle Detailed	3PM - 4PM
Thursday, October 22, 2026	Diesel Cycle	3PM - 4PM
Friday, October 23, 2026	Dual Cycle + Numericals	3PM - 4PM
Monday, October 26, 2026	Efficiency Comparison of Cycles-1	3PM - 4PM
Tuesday, October 27, 2026	Efficiency Comparison of Cycles-2	3PM - 4PM
Wednesday, October 28, 2026	Performance Analysis-1	3PM - 4PM
Thursday, October 29, 2026	Performance Analysis-1	3PM - 4PM
Friday, October 30, 2026	SI Engine Combustion-1	3PM - 4PM
Monday, November 2, 2026	SI Engine Combustion-2	3PM - 4PM
Tuesday, November 3, 2026	CI Engine Combustion-1	3PM - 4PM
Wednesday, November 4, 2026	CI Engine Combustion-2	3PM - 4PM
Thursday, November 5, 2026	Carburetor	3PM - 4PM
Friday, November 6, 2026	Fuel Quality & A/F Ratio	3PM - 4PM
Monday, November 9, 2026	Octane & Cetane Number	3PM - 4PM
Tuesday, November 10, 2026	Cooling System	3PM - 4PM
Wednesday, November 11, 2026	Lubrication System	3PM - 4PM

Monday, November 9, 2026	PERT & CPM-2	5 PM - 6 PM		Rakesh Sir : Machine Design		
Tuesday, November 10, 2026	PERT & CPM-3	5 PM - 6 PM		**Date**	**Title**	**Timing**
Wednesday, November 11, 2026	PERT & CPM-4	5 PM - 6 PM		Thursday, November 12, 2026	Basic Introduction	3 PM - 4.00 PM
Thursday, November 12, 2026	PERT & CPM-5	5 PM - 6 PM		Friday, November 13, 2026	Design against Static Loading	3 PM - 4.00 PM
Friday, November 13, 2026	PERT & CPM-6	5 PM - 6 PM		Monday, November 16, 2026	Design against Fluctuating Loading-1	3 PM - 4.00 PM
Monday, November 16, 2026	Forecasting-1	5 PM - 6 PM		Tuesday, November 17, 2026	Design against Fluctuating Loading-2	3 PM - 4.00 PM
Tuesday, November 17, 2026	Forecasting-2	5 PM - 6 PM		Wednesday, November 18, 2026	Bolted Joints-1	3 PM - 4.00 PM
Wednesday, November 18, 2026	Forecasting-3	5 PM - 6 PM		Thursday, November 19, 2026	Bolted Joints-2	3 PM - 4.00 PM
Thursday, November 19, 2026	Forecasting-4	5 PM - 6 PM		Friday, November 20, 2026	Riveted Joints-1	3 PM - 4.00 PM
Friday, November 20, 2026	Queing Theory-1	5 PM - 6 PM		Monday, November 23, 2026	Riveted Joints-2	3 PM - 4.00 PM
Monday, November 23, 2026	Queing Theory-2	5 PM - 6 PM		Tuesday, November 24, 2026	Belt Drive-1	3 PM - 4.00 PM
Tuesday, November 24, 2026	Linear programming-1	5 PM - 6 PM		Wednesday, November 25, 2026	Belt Drive-2	3 PM - 4.00 PM
Wednesday, November 25, 2026	Linear programming-2	5 PM - 6 PM		Thursday, November 26, 2026	Belt Drive-3	3 PM - 4.00 PM
Thursday, November 26, 2026	Linear programming-3	5 PM - 6 PM		Friday, November 27, 2026	Clutches-1	3 PM - 4.00 PM
Friday, November 27, 2026	Transportation-1	5 PM - 6 PM		Monday, November 30, 2026	Clutches-2	3 PM - 4.00 PM
Monday, November 30, 2026	Transportation-2	5 PM - 6 PM		Tuesday, December 1, 2026	Brakes-1	3 PM - 4.00 PM
Tuesday, December 1, 2026	Assignment-1	5 PM - 6 PM		Wednesday, December 2, 2026	Brakes-2	3 PM - 4.00 PM
Wednesday, December 2, 2026	Assignment-2	5 PM - 6 PM		Thursday, December 3, 2026	Bearings-1	3 PM - 4.00 PM
Thursday, December 3, 2026	MRP-1	5 PM - 6 PM		Friday, December 4, 2026	Bearings-2	3 PM - 4.00 PM
Friday, December 4, 2026	MRP-2	5 PM - 6 PM		Monday, December 7, 2026	Bearings-3	3 PM - 4.00 PM
				Tuesday, December 8, 2026	Design of Gears	3 PM - 4.00 PM
				Wednesday, December 9, 2026	Miscellaneous-1	3 PM - 4.00 PM
				Thursday, December 10, 2026	Miscellaneous-2	3 PM - 4.00 PM

Rahul Sir : Engineering Mechanics		
Date	**Title**	**Timing**
Monday, October 26, 2026	Basic of forces-1	4PM-5PM
Tuesday, October 27, 2026	Basic of forces-2	4PM-5PM
Wednesday, October 28, 2026	Basic of forces-3	4PM-5PM
Thursday, October 29, 2026	Basic of forces-4	4PM-5PM
Friday, October 30, 2026	Basic of forces-5	4PM-5PM
Monday, November 2, 2026	Types of beam-1	4PM-5PM
Tuesday, November 3, 2026	Types of beam-2	4PM-5PM
Wednesday, November 4, 2026	Concepts of friction-1	4PM-5PM
Thursday, November 5, 2026	Concepts of friction -2	4PM-5PM
Friday, November 6, 2026	Concepts of friction -3	4PM-5PM
Monday, November 9, 2026	Moment of Inertia-1	4PM-5PM
Tuesday, November 10, 2026	Moment of Inertia-2	4PM-5PM
Wednesday, November 11, 2026	Moment of Inertia-3	4PM-5PM
Thursday, November 12, 2026	Conservation of momentum and energy-1	4PM-5PM
Friday, November 13, 2026	Conservation of momentum and energy-2	4PM-5PM

Rahul Sir : RAC		
Date	**Title**	**Timing**
Monday, November 16, 2026	Basic Introduction	4PM-5PM
Tuesday, November 17, 2026	VCRS Intro + Ideal Refrigeration Cycle	4PM-5PM
Wednesday, November 18, 2026	VCRS Cycle Analysis (COP etc.)	4PM-5PM
Thursday, November 19, 2026	VCRS Performance Analysis	4PM-5PM

Rahul Sir : Production Engineering		
Date	**Title**	**Timing**
Wednesday, December 9, 2026	Welding-1	7PM - 8PM
Thursday, December 10, 2026	Welding-2	7PM - 8PM
Friday, December 11, 2026	Welding-3	7PM - 8PM
Monday, December 14, 2026	Welding-4	7PM - 8PM
Tuesday, December 15, 2026	Welding-5	7PM - 8PM
Wednesday, December 16, 2026	Casting-1	7PM - 8PM
Thursday, December 17, 2026	Casting-2	7PM - 8PM
Friday, December 18, 2026	Casting-3	7PM - 8PM
Monday, December 21, 2026	Casting-4	7PM - 8PM
Tuesday, December 22, 2026	Casting-5	7PM - 8PM
Wednesday, December 23, 2026	Metal Forming-1	7PM - 8PM
Thursday, December 24, 2026	Metal Forming-2	7PM - 8PM
Monday, December 28, 2026	Metal Forming-3	7PM - 8PM
Tuesday, December 29, 2026	Metal Forming-4	7PM - 8PM
Wednesday, December 30, 2026	Metal Forming-5	7PM - 8PM
Thursday, December 31, 2026	Metrology-1	7PM - 8PM
Monday, January 4, 2027	Metrology-2	7PM - 8PM
Tuesday, January 5, 2027	Concept of MMT-1	7PM - 8PM
Wednesday, January 6, 2027	Concept of MMT-2	7PM - 8PM
Thursday, January 7, 2027	Concept of MMT-3	7PM - 8PM
Friday, January 8, 2027	Concept of MMT-4	7PM - 8PM

Friday, November 20, 2026	Reverse Brayton (Bell-Coleman) Cycle	4PM-5PM	Monday, January 11, 2027	Concept of MMT-5	7PM - 8PM
Monday, November 23, 2026	Cascade Refrigeration System	4PM-5PM	Tuesday, January 12, 2027	Unconventional Machining-1	7PM - 8PM
Tuesday, November 24, 2026	Refrigerants Definition	4PM-5PM	Wednesday, January 13, 2027	Unconventional Machining-2	7PM - 8PM
Wednesday, November 25, 2026	Properties of Refrigerants	4PM-5PM	Thursday, January 14, 2027	Jigs & Fixtures	7PM - 8PM
Thursday, November 26, 2026	Psychrometry Introduction	4PM-5PM	Friday, January 15, 2027	Metal Cutting-1	7PM - 8PM
Friday, November 27, 2026	Psychrometric Chart Processes	4PM-5PM	Monday, January 18, 2027	Metal Cutting-2	7PM - 8PM
Monday, November 30, 2026	Psychrometric Chart Numericals	4PM-5PM	Tuesday, January 19, 2027	Metal Cutting-3	7PM - 8PM
Tuesday, December 1, 2026	Refrigeration Devices (Working & Material)	4PM-5PM	Wednesday, January 20, 2027	Concept of MMT-1	7PM - 8PM
Rahul Sir : Heat and mass transfer			Thursday, January 21, 2027	Concept of MMT-2	7PM - 8PM
Date	**Title**	**Timing**			
Wednesday, December 2, 2026	Basic Introduction (Heat Transfer)	4PM-5PM			
Thursday, December 3, 2026	Conduction-1	4PM-5PM			
Friday, December 4, 2026	Conduction-2	4PM-5PM			
Monday, December 7, 2026	Conduction-3	4PM-5PM			
Tuesday, December 8, 2026	Fins	4PM-5PM			
Wednesday, December 9, 2026	Convection-1	4PM-5PM			
Thursday, December 10, 2026	Convection-2	4PM-5PM			
Friday, December 11, 2026	Convection-3	4PM-5PM			
Monday, December 14, 2026	Radiation-1	4PM-5PM			
Tuesday, December 15, 2026	Radiation-2	4PM-5PM			
Wednesday, December 16, 2026	Radiation-3	4PM-5PM			
Rahul Sir : Thermodynamics					
Date	**Title**	**Timing**			

Thursday, December 17, 2026	Basics Concept-1	4PM-5PM				
Friday, December 18, 2026	Basics Concept-2	4PM-5PM				
Monday, December 21, 2026	Heat and work-1	4PM-5PM				
Tuesday, December 22, 2026	Heat and work-2	4PM-5PM				
Wednesday, December 23, 2026		4PM-5PM				
Thursday, December 24, 2026	First law of thermodynamics-1	4PM-5PM				
Monday, December 28, 2026	First law of thermodynamics-2	4PM-5PM				
Tuesday, December 29, 2026	First law of thermodynamics-3	4PM-5PM				
Wednesday, December 30, 2026	First law of thermodynamics-4	4PM-5PM				
Thursday, December 31, 2026	First law of thermodynamics-5	4PM-5PM				
Monday, January 4, 2027	Second law of thermodynamics-1	4PM-5PM				
Tuesday, January 5, 2027	Second law of thermodynamics-2	4PM-5PM				
Wednesday, January 6, 2027	Entropy part-1	4PM-5PM				
Thursday, January 7, 2027	Entropy part-2	4PM-5PM				
Friday, January 8, 2027	Entropy part-3	4PM-5PM				
Monday, January 11, 2027	Entropy part-4	4PM-5PM				
Tuesday, January 12, 2027	Properties of pure substance part 1	4PM-5PM				
Wednesday, January 13, 2027	Properties of pure substance part 2	4PM-5PM				
Thursday, January 14, 2027	Properties of pure substance part 3	4PM-5PM				
Friday, January 15, 2027	Properties of pure substance part 4	4PM-5PM				