

STUDY PLAN

| Rahul Sir Engineering Mechanics | | | | Shivam Sir IC Engine | | | |
|---------------------------------|-------------------------------------|---------------------------------------|----------|------------------------|----------------------------------|----------------------------------|-------------------------|
| Date | Chapter | Title | Timing | Date | Chapter | Title | Timing |
| Recorded | Basic of forces | Basic of forces-1 | Recorded | Recorded | IC engine cycle | Basic and Air standard cycle-1 | Recorded |
| Recorded | | Basic of forces-2 | Recorded | Recorded | | Basic and Air standard cycle-2 | Recorded |
| Recorded | | Basic of forces-3 | Recorded | Recorded | | Basic and Air standard cycle-3 | Recorded |
| Recorded | | Basic of forces-4 | Recorded | Recorded | | Basic and Air standard cycle-4 | Recorded |
| Recorded | | Basic of forces-5 | Recorded | Recorded | | Basic and Air standard cycle-5 | Recorded |
| Recorded | Types of beam | Types of beam-1 | Recorded | Recorded | 4s & 2s Engines | 4s & 2s Engine-1 | Recorded |
| Recorded | | Types of beam-2 | Recorded | Recorded | | 4s & 2s Engine-2 | Recorded |
| Recorded | Concepts of friction | Concepts of friction-1 | Recorded | Recorded | | 4s & 2s Engine-3 | Recorded |
| Recorded | | Concepts of friction -2 | Recorded | Recorded | IC Engine Performance | Performance of IC Engine-1 | Recorded |
| Recorded | | Concepts of friction -3 | Recorded | Recorded | | Performance of IC Engine-2 | Recorded |
| Recorded | Moment of Inertia | Moment of Inertia-1 | Recorded | Recorded | | Performance of IC Engine-3 | Recorded |
| Recorded | | Moment of Inertia-2 | Recorded | Recorded | | Performance of IC Engine-4 | Recorded |
| Recorded | | Moment of Inertia-3 | Recorded | Recorded | Combustion in SI and CI engine-1 | Recorded | |
| Recorded | Conservation of momentum and energy | Conservation of momentum and energy-1 | Recorded | Recorded | Combustion in SI and CI engines | Combustion in SI and CI engine-2 | Recorded |
| Recorded | | Conservation of momentum and energy-2 | Recorded | Recorded | | Combustion in SI and CI engine-3 | Recorded |
| Rahul Sir Theory of Machines | | | | Recorded | | Combustion in SI and CI engine-4 | Recorded |
| | | | | Recorded | | Lubrication & Cooling | Lubrication & cooling-1 |
| | | | | Recorded | Lubrication & cooling-2 | | Recorded |
| Date | Chapter | Title | Timing | Industrial Engineering | | | |
| Recorded | Mechanism and machines | Simple Mechanism-1 | Recorded | Industrial Engineering | | | |
| Recorded | | Simple Mechanism-2 | Recorded | | | | |
| Recorded | | Simple Mechanism-3 | Recorded | | | | |
| Recorded | | Simple Mechanism-4 | Recorded | | | | |
| Recorded | | Simple Mechanism-5 | Recorded | | | | |
| Date | Chapter | Title | Timing | Date | Chapter | Title | Timing |
| | | | | | Introduction and BEA | Introduction & BEA-1 | Recorded |
| | | | | | | Introduction & BEA-2 | Recorded |

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| Recorded | | Simple Mechanism-6 | Recorded | Recorded | Inventory Control | Inventory-1 | Recorded |
| Recorded | Velocity and acceleration analysis | Motion Analysis-1 | Recorded | Recorded | | Inventory-2 | Recorded |
| Recorded | | Motion Analysis-2 | Recorded | Recorded | | Inventory-3 | Recorded |
| Recorded | Gear | Gear-1 | Recorded | Recorded | | Inventory-4 | Recorded |
| Recorded | | Gear-2 | Recorded | Recorded | Sequencing | Sequencing-1 | Recorded |
| Recorded | | Gear-3 | Recorded | Recorded | | Sequencing-2 | Recorded |
| Recorded | | Gear-4 | Recorded | Recorded | | Sequencing-3 | Recorded |
| Recorded | | Gear-5 | Recorded | Recorded | PERT & CPM | PERT & CPM-1 | Recorded |
| Recorded | | Gear-6 | Recorded | Recorded | | PERT & CPM-2 | Recorded |
| Recorded | Gear Train | Gear Train-1 | Recorded | Recorded | | PERT & CPM-3 | Recorded |
| Recorded | | Gear Train-2 | Recorded | Recorded | | PERT & CPM-4 | Recorded |
| Recorded | Governor | Governor-1 | Recorded | Recorded | | PERT & CPM-5 | Recorded |
| Recorded | | Governor-2 | Recorded | Recorded | | PERT & CPM-6 | Recorded |
| Recorded | | Governor-3 | Recorded | Recorded | Forecasting | Forecasting-1 | Recorded |
| Recorded | | Governor-4 | Recorded | Recorded | | Forecasting-2 | Recorded |
| Recorded | | Governor-5 | Recorded | Recorded | Forecasting-3 | Recorded | |
| Recorded | Flywheel | Flywheel-1 | Recorded | Recorded | Forecasting | Forecasting-4 | Recorded |
| Recorded | | Flywheel-2 | Recorded | Recorded | Queing Theory | Queing Theory-1 | Recorded |
| Recorded | Cam & Follower | Cam & Follower-1 | Recorded | Recorded | | Queing Theory-2 | Recorded |
| Recorded | | Cam & Follower-2 | Recorded | Recorded | Linear Programming | Linear programming-1 | Recorded |
| Recorded | Balancing | All About Balancing | Recorded | Recorded | | Linear programming-2 | Recorded |
| Recorded | Vibration | Vibration-1 | Recorded | Recorded | | Linear programming-3 | Recorded |
| Recorded | | Vibration-2 | Recorded | Recorded | Transportation | Transportation-1 | Recorded |
| Rahul Sir Machine Design | | | | Recorded | | Transportation-2 | Recorded |
| | | | | Recorded | | Assignment | Assignment-1 |
| Date | Chapter | Title | Timing | Recorded | Assignment-2 | | Recorded |
| Recorded | Design for static loading | Introduction to load | Recorded | Recorded | MRP | MRP-1 | Recorded |
| Recorded | | Different theories of Failures-1 | Recorded | Recorded | | MRP-2 | Recorded |
| Recorded | | Different theories of Failures-2 | Recorded | | | | |
| Recorded | | Different theories of Failures-3 | Recorded | | | | |
| Recorded | Design against Fluctuation load | Design against Fluctuation load-1 | Recorded | | | | |
| Recorded | | Design against Fluctuation load-2 | Recorded | | | | |

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| Recorded | | Design against Fluctuation load-3 | Recorded | | | | |
| Recorded | Riveted ,welded joint and bolted joint | Different stresses in Screw fastners | Recorded | | | | |
| Recorded | | Bolt joint analysis-1 | Recorded | | | | |
| Recorded | | Bolt joint analysis-2 | Recorded | | | | |
| Recorded | | Design of Rivet joint and Stress Analysis | Recorded | | | | |
| Recorded | | Type of riveted joint and efficiency | Recorded | | | | |
| Recorded | | Parallel fillet weld | Recorded | | | | |
| Recorded | | Transverse fillet weld | Recorded | | | | |
| Recorded | | Welded joint subjected to bending moment | Recorded | | | | |
| Recorded | | Welded joint subjected to torsion moment | Recorded | | | | |
| Recorded | Shaft Key and Coupling | Design of shaft for variable load-1 | Recorded | | | | |
| Recorded | | Design of shaft for variable load-2 | Recorded | | | | |
| Recorded | | Design of shaft for variable load-3 | Recorded | | | | |
| Recorded | Sliding contact bearing | Journal Bearing-1 | Recorded | | | | |
| Recorded | | Journal Bearing-2 | Recorded | | | | |
| Recorded | Rolling contact bearing | Roller bearing-1 | Recorded | | | | |
| Recorded | | Roller bearing-2 | Recorded | | | | |
| Recorded | | Roller bearing-3 | Recorded | | | | |
| Recorded | Design of Gears | Laws of gearing | Recorded | | | | |
| Recorded | | Types of Gears | Recorded | | | | |
| Recorded | Spring | Spring-1 | Recorded | | | | |
| Recorded | | Spring-2 | Recorded | | | | |