STUDY PLAN

Fluid Mechanics		Hydraulic Machines		Power Plant Engineering	
Title	**Timing**	**Title**	**Timing**	**Title**	**Timing**
Introduction	Recording-1	Impact of jet	Recording-1	Basic Introduction	Recording-1
Fluid Properties - Part 1	Recording-2	Turbine basic , classification	Recording-2	Types of Coal & Fuels	Recording-2
Fluid Properties - Part 2	Recording-3	Pelton wheel , francis , kaplan turbine	Recording-3	Coal Detailed Study	Recording-3
Newton's Law of Viscosity	Recording-4	Pump-1	Recording-4	Steam Power Plant (Thermal) - Analysis-1	Recording-4
Fluid Classification	Recording-5	Pump-2	Recording-5	Steam Power Plant (Thermal) - Analysis-2	Recording-5
MCQ Practice (Basics)	Recording-6	Live doubt and miscellaneous-1	Recording-6	Steam Power Plant (Thermal) - Analysis-3	Recording-6
Surface Tension & Capillarity - 1	Recording-7	Live doubt and miscellaneous-2	Recording-7	Rankine Cycle-1	Recording-7
Surface Tension & Capillarity - 2	Recording-8	Live doubt and miscellaneous-3	Recording-8	Rankine Cycle-2	Recording-8
Pressure Measurement - Basics	Recording-9			Boilers-1	Recording-9
Pressure Laws	Recording-10			Boilers-2	Recording-10
Pressure Measuring Devices	Recording-11			Boilers-3	Recording-11
Pressure MCQ	Recording-12			Steam Turbine	Recording-12
Buoyancy & Floatation - 1	Recording-13			Nozzle & Compressor-1	Recording-13
Buoyancy & Floatation - 2	Recording-14			Nozzle & Compressor-2	Recording-14
Buoyancy & Floatation - 3	Recording-15			Nozzle & Compressor-3	Recording-15
Hydrostatic Forces - Plane Surface	Recording-16			Miscellaneous Numericals-1	Recording-16
Hydrostatic Forces - Curved Surface	Recording-17			Miscellaneous Numericals-2	Recording-17

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Title	**Timing**	**Title**	**Timing**	**Title**	**Timing**
Kinematics Intro + Types + Continuity	Recording-18				
Velocity Potential & Stream Function - 1	Recording-19				
Velocity Potential & Stream Function - 2	Recording-20				
Velocity Potential & Stream Function - 3	Recording-21				
Fluid Dynamics Intro + Bernoulli	Recording-22				
Bernoulli Applications	Recording-23				
Orifice Meter & Pitot Tube	Recording-24				
Laminar Flow - 1	Recording-25				
Laminar Flow - 2	Recording-26				
Laminar Flow - 3	Recording-27				
Laminar vs Turbulent - 1	Recording-28				
Laminar vs Turbulent - 2	Recording-29				
Laminar vs Turbulent - 3	Recording-30				
Boundary Layer Theory	Recording-31				
Vortex Flow (Free & Forced)	Recording-32				
Flow Through Pipes - 1	Recording-33				
Flow Through Pipes - 2	Recording-34				
Flow Through Pipes - 3	Recording-35				
Dimensional Analysis & Modelling	Recording-36				

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Title	**Timing**	**Title**	**Timing**	**Title**	**Timing**
OCF - 1	Recording-37				
OCF - 2	Recording-38				
OCF - 3	Recording-39				
Impact of Jets - 1	Recording-40				
Impact of Jets - 2	Recording-41				
Hydraulic Turbine Intro & Classification - 1	Recording-42				
Hydraulic Turbine Intro & Classification - 2	Recording-43				
Types of Turbines - 1	Recording-44				
Types of Turbines - 2	Recording-45				
Modeling & Similitude MCQ	Recording-46				
Pumps - 1	Recording-47				
Pumps - 2	Recording-48				
Pumps - 3	Recording-49				