

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Mechanical Engineering - NOC:Power Plant System Engineering

Subject Co-ordinator - Prof. Niranjan Sahoo

Co-ordinating Institute - IIT - Guwahati

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - Thermodynamics Concepts - Part I
- Lecture 2 - Thermodynamics Concepts - Part II
- Lecture 3 - Thermodynamic Analysis of Vapor Power Cycle
- Lecture 4 - Rankine Cycle
- Lecture 5 - Modified Rankine Cycle
- Lecture 6 - Exergy Analysis of Vapor Power Cycles
- Lecture 7 - Rotodynamic Machines
- Lecture 8 - Impulse Turbine
- Lecture 9 - Reaction Turbine
- Lecture 10 - Performance Analysis of Steam Turbines
- Lecture 11 - Steam Nozzles - Part I
- Lecture 12 - Steam Nozzles - Part II
- Lecture 13 - Steam Generator
- Lecture 14 - Water Tube Boiler - Part I
- Lecture 15 - Water Tube Boiler - Part II
- Lecture 16 - Fuels and Combustion - Part I
- Lecture 17 - Fuels and Combustion - Part II
- Lecture 18 - Steam Condenser
- Lecture 19 - Feed Water Heaters
- Lecture 20 - Cooling Towers
- Lecture 21 - Fundamentals of Gas turbine systems
- Lecture 22 - Modifications of Brayton cycle
- Lecture 23 - Combined Power cycle
- Lecture 24 - Gas Turbines for Aircraft Propulsion
- Lecture 25 - Hydro-Power System - Part I
- Lecture 26 - Hydro-Power System - Part II
- Lecture 27 - Wind Energy - Part I
- Lecture 28 - Wind Energy - Part II
- Lecture 29 - Energy From Oceans - Part I

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NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

- Lecture 30 - Energy From Oceans - Part II
- Lecture 31 - Geothermal Energy
- Lecture 32 - Energy Storage - I
- Lecture 33 - Energy Storage - II
- Lecture 34 - Energy Storage - III