

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

NPTEL Video Course - Humanities and Social Sciences - NOC:Energy Resources, Economics and Sustainability

Subject Co-ordinator - Prof. Pratham Arora

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Introduction
- Lecture 2 - Introduction to Fossil Fuels
- Lecture 3 - Introduction to Renewable Energy
- Lecture 4 - Energy Consumption in Different Countries
- Lecture 5 - Energy Consumption in Different Sectors
- Lecture 6 - Energy Consumption
- Lecture 7 - Energy Flow Diagram - I
- Lecture 8 - Energy Flow Diagram - II
- Lecture 9 - Fossil Fuel Resources - I
- Lecture 10 - Fossil Fuel Resources - II
- Lecture 11 - Energy Economics - I
- Lecture 12 - Energy Economics - II
- Lecture 13 - Energy Economics - III
- Lecture 14 - Energy Economics - IV
- Lecture 15 - Wind Farm Financial Model - I
- Lecture 16 - Wind Farm Financial Model - II
- Lecture 17 - Economic Decision Making
- Lecture 18 - Economic Decision Making and Project Financing
- Lecture 19 - Economic and Environment
- Lecture 20 - Business and the Environment
- Lecture 21 - Energy, Ecology and Environment
- Lecture 22 - Recent Successes in Environmental Stewardship - I
- Lecture 23 - Recent Successes in Environmental Stewardship - II
- Lecture 24 - Global Climate Change
- Lecture 25 - Global Climate Change Mitigation - I
- Lecture 26 - Global Climate Change Mitigation - II
- Lecture 27 - Global Climate Change Mitigation: International Protocols
- Lecture 28 - Global Climate Change Myths
- Lecture 29 - Nuclear Waste and Thermal Pollution

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- Lecture 30 - Environmental Impacts of Different Energy Pathways - I
- Lecture 31 - Environmental Impacts of Different Energy Pathways - II
- Lecture 32 - Understanding Sustainability
- Lecture 33 - Introduction to Life Cycle Assessment (LCA)
- Lecture 34 - LCA Phases
- Lecture 35 - LCA System, Boundary, and Allocation
- Lecture 36 - LCA: Life Cycle Stages
- Lecture 37 - LCA: Data and Impact Assessment
- Lecture 38 - LCA: Impact Categories
- Lecture 39 - LCA Computational Structure
- Lecture 40 - SimaPro Tutorial
- Lecture 41 - Case Studies - I
- Lecture 42 - Case Studies - II