

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

NPTEL Video Course - Chemical Engineering - NOC:Technologies for Clean and Renewable Energy Production

Subject Co-ordinator - Prof. P. Mondal

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction
Lecture 2 - Coal as a Source of Energy
Lecture 3 - Characterization of Coal
Lecture 4 - Conventional Route for Energy Production from Coal
Lecture 5 - Tutorial 1
Lecture 6 - Cleaner Route for Energy Production from Coal
Lecture 7 - Gasification of Coal - 1
Lecture 8 - Gasification of Coal - 2
Lecture 9 - Direct Liquefaction of Coal
Lecture 10 - Tutorial 2
Lecture 11 - Petroleum as a Source of Energy
Lecture 12 - Characteristics of Crude Oil and Petroleum Products
Lecture 13 - Refining of Crude Oil for Liquid Fuels Production
Lecture 14 - Conversion of Intermediate Products
Lecture 15 - Tutorial 3
Lecture 16 - Impurities Removal from Liquid Fuels
Lecture 17 - Residue Upgradation - 1
Lecture 18 - Residue Upgradation - 2
Lecture 19 - Heavy Crude Oil Processing
Lecture 20 - Tutorial 4
Lecture 21 - Properties and Routes for Energy Production
Lecture 22 - Syn Gas Production from Natural Gas
Lecture 23 - Syn Gas to Liquid Fuel Production
Lecture 24 - Hydrogen Production from Natural Gas
Lecture 25 - Tutorial 5
Lecture 26 - Solar Energy - 1
Lecture 27 - Solar Energy - 2
Lecture 28 - Wind Energy - 1
Lecture 29 - Wind Energy - 2

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

www.digimat.in

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

Lecture 30 - Tutorial 6
Lecture 31 - Hydro Energy - 1
Lecture 32 - Hydro Energy - 2
Lecture 33 - Geothermal Energy
Lecture 34 - Tidal Energy
Lecture 35 - Tutorial 7
Lecture 36 - Energy from Biomass and Wastes 1 (Biological Route)
Lecture 37 - Energy from Biomass and Wastes 2 (Chemical Route)
Lecture 38 - Energy from Biomass and Wastes 3 (Physical Route)
Lecture 39 - Energy Conversations
Lecture 40 - Tutorial 8