

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

NPTEL Video Course - Architecture - NOC:Sustainable Architecture

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Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction to Sustainability
Lecture 2 - Buildings, Needs and 'Sustainability'
Lecture 3 - Sustainability and Sustainable Development
Lecture 4 - Historic Origins of Sustainability
Lecture 5 - Pioneers of Sustainable Development
Lecture 6 - Environmental Impacts of Development
Lecture 7 - Environmental Impacts of Development
Lecture 8 - Social and Economic Impacts of Development
Lecture 9 - Agenda 21 and UN Goals
Lecture 10 - Established needs for Sustainability in Building Sector
Lecture 11 - Definition and Characteristics of Sustainability
Lecture 12 - Flavors of Sustainable Architecture
Lecture 13 - Indicators and Terminologies in Sustainable Architecture
Lecture 14 - Process of Designing Green Buildings
Lecture 15 - Green Building Ratings and Components
Lecture 16 - Fundamentals of Thermal Comfort
Lecture 17 - Climatic Considerations, Physiological Objectives of Design
Lecture 18 - Fundamentals of Climate Responsive Buildings - I
Lecture 19 - Fundamentals of Climate Responsive Buildings - II
Lecture 20 - Visual and Acoustic Comfort
Lecture 21 - Sustainable Sites - I
Lecture 22 - Sustainable Sites - II
Lecture 23 - Sustainable Sites - III
Lecture 24 - Sustainable Sites - IV
Lecture 25 - Sustainable Sites - V
Lecture 26 - Water Conservation - I
Lecture 27 - Water Conservation - II
Lecture 28 - Water Conservation - III
Lecture 29 - Water Conservation - IV

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Lecture 30 - Water Conservation - V
Lecture 31 - Materials and Resources - I
Lecture 32 - Materials and Resources - II
Lecture 33 - Materials and Resources - III
Lecture 34 - Materials and Resources - IV
Lecture 35 - Materials and Resources - V
Lecture 36 - Energy Efficiency - I
Lecture 37 - Energy Efficiency - II
Lecture 38 - Energy Efficiency - III
Lecture 39 - Energy Efficiency - IV
Lecture 40 - Energy Efficiency - V
Lecture 41 - Indoor Environmental Quality - I
Lecture 42 - Indoor Environmental Quality - II
Lecture 43 - Indoor Environmental Quality - III
Lecture 44 - Indoor Environmental Quality - IV
Lecture 45 - Indoor Environmental Quality - V
Lecture 46 - Vernacular Architecture - I
Lecture 47 - Vernacular Architecture - II
Lecture 48 - Codes and Standards
Lecture 49 - Introduction to Whole Building Simulation - I
Lecture 50 - Introduction to Whole Building Simulation - II
Lecture 51 - Whole Building Performance - I
Lecture 52 - Whole Building Performance - II
Lecture 53 - Whole Building Performance - III
Lecture 54 - Whole Building Performance - IV
Lecture 55 - Whole Building Performance - V
Lecture 56 - Whole Building Performance - VI
Lecture 57 - Whole Building Performance - VII
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