

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

NPTEL Video Course - Architecture - NOC:Landscape Architecture and Site Planning - Basic Fundamentals

Subject Co-ordinator - Prof. Uttam Kumar Bannerjee

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Overview

Lecture 2 - Introduction to Landscape

Lecture 3 - Categories and Materials in Landscape

Lecture 4 - Objective and Professional Scope of Landscape Design

Lecture 5 - Objective and Professional Scope of Landscape Design (Continued...)

Lecture 6 - Introduction to History of Landscape Design

Lecture 7 - Introduction to History of Landscape Design (Continued...)

Lecture 8 - Introduction to History of Landscape Design (Continued...)

Lecture 9 - Introduction to History of Landscape Design (Continued...)

Lecture 10 - Introduction to History of Landscape Design (Continued...)

Lecture 11 - Introduction to History of Landscape Design (Continued...)

Lecture 12 - Introduction to History of Landscape Design (Continued...)

Lecture 13

Lecture 14

Lecture 15

Lecture 16 - Behavioral Principle

Lecture 17 - Behavioral Principle (Continued...)

Lecture 18 - Behavioral Principle (Continued...)

Lecture 19 - Behavioral Principle (Continued...)

Lecture 20 - Behavioral Principle (Continued...)

Lecture 21

Lecture 22

Lecture 23

Lecture 24

Lecture 25

Lecture 26

Lecture 27

Lecture 28

Lecture 29

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- Lecture 30
- Lecture 31 - Landform Design
- Lecture 32 - Landform Design (Continued...)
- Lecture 33 - Landform Design (Continued...)
- Lecture 34 - Landform Design (Continued...)
- Lecture 35 - Landform Design (Continued...)
- Lecture 36 - Planting Design
- Lecture 37 - Planting Design (Continued...)
- Lecture 38 - Planting Design (Continued...)
- Lecture 39 - Planting Design (Continued...)
- Lecture 40 - Planting Design (Continued...)

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

NPTEL Video Course - Architecture - NOC:Architectural Conservation and Historic Preservation

Subject Co-ordinator - Prof. Sanghamitra Basu

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Introduction

Lecture 2 - Introduction (Continued...)

Lecture 3 - Need, Debate and Purpose

Lecture 4 - Heritage Significance and Values

Lecture 5 - Heritage Significance and Values (Continued...)

Lecture 6 - Assessing Heritage Values and Significance

Lecture 7 - Heritage Values and Significance (Continued...)

Lecture 8 - Assessing Heritage Significance Concept and Process

Lecture 9 - Assessing Heritage Significance Concept and Process (Continued...)

Lecture 10 - Divergent Approaches for Managing and Rehabilitating Heritage Properties

Lecture 11 - Divergent Approaches for Managing and Rehabilitating Heritage Properties

Lecture 12 - Divergent Approaches for Managing and Rehabilitating Heritage Properties

Lecture 13 - Ethics of Conservation

Lecture 14 - Evolution of Heritage Conservation

Lecture 15 - Evolution of Heritage Conservation (Continued...)

Lecture 16 - World Heritage Sites - Part 1

Lecture 17 - World heritage Sites - Part 2

Lecture 18 - World Heritage Sites - Part 3

Lecture 19 - World Heritage Sites - Part 4

Lecture 20 - World Heritage Sites - Part 5

Lecture 21 - Causes of decay in cultural property - Part 1

Lecture 22 - Causes of decay - Part 2

Lecture 23 - Causes of decay - Part 3

Lecture 24 - Causes of decay - Part 4

Lecture 25 - Documenting heritage properties

Lecture 26 - Documenting Heritage Properties

Lecture 27 - Investigation and Conservation of Historic Structures

Lecture 28 - Investigation and Conservation of Historic Structures

Lecture 29 - Investigation and Conservation of Historic Structures

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- Lecture 30 - Conservation of Historic Structures
- Lecture 31 - Conservation of Historic Structures
- Lecture 32 - Historic Cities and Heritage Areas
- Lecture 33 - Historic Cities and Heritage Areas (Continued...)
- Lecture 34 - Historic Cities and Heritage Areas (Continued...)
- Lecture 35 - Historic Cities and Heritage Areas (Continued...)
- Lecture 36 - Historic Cities and Heritage Zones - India
- Lecture 37 - Historic Areas and Heritage Zones - India (Continued...)
- Lecture 38 - New Buildings in Historic Settings
- Lecture 39 - Heritage Impact Assessment in Historic Settings
- Lecture 40 - Adaptive Reuse
- Lecture 41 - Legislative and Organizational Policies for India
- Lecture 42 - Heritage Regulations and Role of Voluntary Organisations
- Lecture 43 - Heritage Conservation - Issues and Potentials

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

NPTEL Video Course - Architecture - NOC:Architectural Acoustics

Subject Co-ordinator - Prof. Sumana Gupta, Prof. Sankha Pratim Bhattacharya

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Introduction and Historical Overview
- Lecture 2 - Introduction to Acoustical Physics
- Lecture 3 - Frequency and Octave
- Lecture 4 - Sound Pressure and Intensity Levels
- Lecture 5 - Near and Far Field Propagation and Loudness
- Lecture 6 - Room Acoustics - I
- Lecture 7 - Room Acoustics - II
- Lecture 8 - Indoor Acoustics, Reflection and Absorption
- Lecture 9 - Concept of Reverberation
- Lecture 10 - Application of Reverberation Time
- Lecture 11 - Introduction to Acoustical Absorbers
- Lecture 12 - Panel Absorbers and Resonators
- Lecture 13 - Absorption in spaces of different volumes
- Lecture 14 - Acoustical Absorbers
- Lecture 15 - Reverberation time and Intelligibility
- Lecture 16 - Acoustical Criteria and Space Design
- Lecture 17 - Acoustical Criteria and Space Design (Continued...)
- Lecture 18 - Acoustical Criteria and Space Design (Continued...)
- Lecture 19 - Acoustical Criteria and Space Design (Continued...)
- Lecture 20 - Acoustical Criteria and Space Design (Continued...)
- Lecture 21 - Introduction to Auditorium Design
- Lecture 22 - Introduction to Auditorium Design (Continued...)
- Lecture 23 - Introduction to Auditorium Design (Continued...)
- Lecture 24 - Introduction to Auditorium Design Balcony and ceiling design
- Lecture 25 - Introduction to Auditorium Design
- Lecture 26 - Electro Acoustics - I
- Lecture 27 - Electro Acoustics - II
- Lecture 28 - Meteorological conditions and propagation of sound
- Lecture 29 - Topography and sound propagation Historical contexts

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- Lecture 30 - Open air Theatre considerations
- Lecture 31 - Air Borne Sound Transmission
- Lecture 32 - Air Borne Sound Transmission (Continued...)
- Lecture 33 - Air Borne Sound Transmission (Continued...)
- Lecture 34 - Structure Borne Sound Transmission
- Lecture 35 - Structure Borne Sound Transmission (Continued...)
- Lecture 36 - Environmental Acoustics - I
- Lecture 37 - Environmental Acoustics - II
- Lecture 38 - Urban Noise Control
- Lecture 39 - Urban Noise Control
- Lecture 40 - Urban Noise Control

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

NPTEL Video Course - Architecture - NOC:Building Materials and Composites

Subject Co-ordinator - Prof. Sumana Gupta

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Introduction to the course
- Lecture 2 - Clay products - 1
- Lecture 3 - Clay products - 2
- Lecture 4 - Stone
- Lecture 5 - Stone (Continued...)
- Lecture 6 - Introduction to wood
- Lecture 7 - Wood
- Lecture 8 - Defects of wood and Wood joinery
- Lecture 9 - Engineered wood
- Lecture 10 - Bamboo
- Lecture 11 - Glass
- Lecture 12 - Glass (Continued...)
- Lecture 13 - Glass (Continued...)
- Lecture 14 - Glass wall and glass insulation
- Lecture 15 - Ceramic tiles and vitrified tiles
- Lecture 16 - Introduction to concrete
- Lecture 17 - Fine Aggregates
- Lecture 18 - Coarse Aggregates
- Lecture 19 - Cement
- Lecture 20 - Water, Plasticizer admixture and tests
- Lecture 21 - Introduction to prefabricated items
- Lecture 22 - CMU, AAC and Pavement Blocks
- Lecture 23 - Precast Wall Panels
- Lecture 24 - Floor panels
- Lecture 25 - Columns, foundation, ferro-cement
- Lecture 26 - Introduction to metals
- Lecture 27 - Ferrous Metals 1 - Cast and Wrought Iron
- Lecture 28 - Ferrous metals 2 - Steel
- Lecture 29 - Ferrous metals 2 - Reinforcement bars, Corrosion, Light Gauge Steel

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

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- Lecture 30 - Non-ferrous metals
- Lecture 31 - Damp proofing
- Lecture 32 - Damp proofing methods and materials
- Lecture 33 - Thermal insulation and sound insulation
- Lecture 34 - Insulation, Bitumen and Gypsum
- Lecture 35 - Composites
- Lecture 36 - Paints
- Lecture 37 - Paints (Continued...)
- Lecture 38 - Paints (Continued...)
- Lecture 39 - Plastics
- Lecture 40 - Plastics (Continued...)



## NPTL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTL Video Course - Architecture - NOC:Environmental Soil Chemistry

Subject Co-ordinator - Prof. Somsubhra Chakraborty

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Evolution of Soil Chemistry  
Lecture 2 - Evolution of Soil Chemistry (Continued...)  
Lecture 3 - Evolution of Soil Chemistry (Continued...)  
Lecture 4 - Evolution of Soil Chemistry (Continued...)  
Lecture 5 - Evolution of Soil Chemistry (Continued...)  
Lecture 6 - Inorganic Soil Components  
Lecture 7 - Inorganic Soil Components (Continued...)  
Lecture 8 - Inorganic Soil Components (Continued...)  
Lecture 9 - Inorganic Soil Components (Continued...)  
Lecture 10 - Inorganic Soil Components (Continued...)  
Lecture 11 - Chemistry of Soil Organic Matter  
Lecture 12 - Chemistry of Soil Organic Matter (Continued...)  
Lecture 13 - Chemistry of Soil Organic Matter (Continued...)  
Lecture 14 - Chemistry of Soil Organic Matter (Continued...)  
Lecture 15 - Chemistry of Soil Organic Matter (Continued...)  
Lecture 16 - Soil Solution-Solid Phase Equilibria and Sorption in Solids  
Lecture 17 - Soil Solution-Solid Phase Equilibria and Sorption in Solids (Continued...)  
Lecture 18 - Soil Solution-Solid Phase Equilibria and Sorption in Solids (Continued...)  
Lecture 19 - Soil Solution-Solid Phase Equilibria and Sorption in Solids (Continued...)  
Lecture 20 - Soil Solution-Solid Phase Equilibria and Sorption in Solids (Continued...)  
Lecture 21 - Ion Exchange Processes  
Lecture 22 - Ion Exchange Processes (Continued...)  
Lecture 23 - Ion Exchange Processes (Continued...)  
Lecture 24 - Ion Exchange Processes (Continued...)  
Lecture 25 - Ion Exchange Processes (Continued...)  
Lecture 26 - Kinetics of Soil Chemical Processes  
Lecture 27 - Kinetics of Soil Chemical Processes (Continued...)  
Lecture 28 - Kinetics of Soil Chemical Processes (Continued...)  
Lecture 29 - Kinetics of Soil Chemical Processes (Continued...)

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## NPTTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

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- Lecture 30 - Kinetics of Soil Chemical Processes (Continued...)
- Lecture 31 - Redox Chemistry of Soils
- Lecture 32 - Redox Chemistry of Soils (Continued...)
- Lecture 33 - Redox Chemistry of Soils (Continued...)
- Lecture 34 - Redox Chemistry of Soils (Continued...)
- Lecture 35 - Redox Chemistry of Soils (Continued...)
- Lecture 36 - Soil Pollutants
- Lecture 37 - Soil Pollutants (Continued...)
- Lecture 38 - Soil Pollutants (Continued...)
- Lecture 39 - Soil Pollutants (Continued...)
- Lecture 40 - Soil Pollutants (Continued...)
- Lecture 41 - Pollutant-Soil Solution Interaction
- Lecture 42 - Pollutant-Soil Solution Interaction (Continued...)
- Lecture 43 - Pollutant-Soil Solution Interaction (Continued...)
- Lecture 44 - Pollutant-Soil Solution Interaction (Continued...)
- Lecture 45 - Pollutant-Soil Solution Interaction (Continued...)
- Lecture 46 - Retention of Pollutants on and within Soil Solid Phases
- Lecture 47 - Retention of Pollutants on and within Soil Solid Phases (Continued...)
- Lecture 48 - Retention of Pollutants on and within Soil Solid Phases (Continued...)
- Lecture 49 - Retention of Pollutants on and within Soil Solid Phases (Continued...)
- Lecture 50 - Retention of Pollutants on and within Soil Solid Phases (Continued...)
- Lecture 51 - Modeling the Fate of Pollutants in Soil, Risk and Remedies
- Lecture 52 - Modeling the Fate of Pollutants in Soil, Risk and Remedies (Continued...)
- Lecture 53 - Modeling the Fate of Pollutants in Soil, Risk and Remedies (Continued...)
- Lecture 54 - Modeling the Fate of Pollutants in Soil, Risk and Remedies (Continued...)
- Lecture 55 - Modeling the Fate of Pollutants in Soil, Risk and Remedies (Continued...)
- Lecture 56 - Analytical Techniques for Assessing Soil Pollution
- Lecture 57 - Analytical Techniques for Assessing Soil Pollution (Continued...)
- Lecture 58 - Analytical Techniques for Assessing Soil Pollution (Continued...)
- Lecture 59 - Analytical Techniques for Assessing Soil Pollution (Continued...)
- Lecture 60 - Analytical Techniques for Assessing Soil Pollution (Continued...)

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

NPTEL Video Course - Architecture - NOC:Structural System in Architecture

Subject Co-ordinator - Prof. Sankha Pratim Bhattacharya

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Introduction to Structural System

Lecture 2 - Force System

Lecture 3 - Moment, Couple and Static Equilibrium

Lecture 4 - Supports and Reactions

Lecture 5 - Structural Loading and Support Reactions

Lecture 6 - Theory of Elasticity - 1

Lecture 7 - Theory of Elasticity - 2

Lecture 8 - Shear Force Diagram

Lecture 9 - Bending Moment Diagram

Lecture 10 - SFD and BMD

Lecture 11 - Bending Stress in Beam - I

Lecture 12 - Bending Stress in Beam - II

Lecture 13 - Bending Stress in Beam - III

Lecture 14 - Shear Stress in Beam

Lecture 15 - Theory of Column

Lecture 16 - Deflection of Beams

Lecture 17 - Indeterminate Beams

Lecture 18 - Analysis of Fixed Beam, BMD and Deflected Shape, Portal Frame

Lecture 19 - Structural Grid and Framing

Lecture 20 - Structural Design

Lecture 21 - Introduction to Truss

Lecture 22 - Analysis of Truss - 1

Lecture 23 - Analysis of Truss - 2

Lecture 24 - Application of Truss in Architecture

Lecture 25 - Space Frame Structures

Lecture 26 - Introduction to Arch

Lecture 27 - Structural Principle and Application of Arch

Lecture 28 - Shell Structures

Lecture 29 - Application of Arch and Shell in Architecture

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

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- Lecture 30 - Structural Concept and Application of Dome in Architecture
- Lecture 31 - Cable Supported Structures
- Lecture 32 - Membrane Structures
- Lecture 33 - Application of Tensile Structures in Architecture
- Lecture 34 - Flat Plate and Flate Slab Structures
- Lecture 35 - Waffle Slab and Folded Plate Structures
- Lecture 36 - Temporary Structures
- Lecture 37 - Building Foundation
- Lecture 38 - Structural System for High-rise Buildings - I
- Lecture 39 - Structural System for High-rise Buildings - II
- Lecture 40 - Structural Detailing

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

NPTEL Video Course - Architecture - NOC:Urban Landuse and Transportation Planning

Subject Co-ordinator - Prof. Debapratim Pandit

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Introduction to Landuse transportation planning
- Lecture 2 - Plans and planning process
- Lecture 3 - Urban landuse planning
- Lecture 4 - Comprehensive mobility plan
- Lecture 5 - Landuse transport interaction
- Lecture 6 - Theoretical foundations - Part 1
- Lecture 7 - Theoretical foundations - Part 2
- Lecture 8 - Modeling approaches
- Lecture 9 - Existing integrated land use transportation models
- Lecture 10 - Land use transportation model components and future challenges
- Lecture 11 - Sampling Theory - 1
- Lecture 12 - Sampling Theory - 2
- Lecture 13 - Data and Surveys
- Lecture 14 - Transport Planning surveys - Part 1
- Lecture 15 - Transport Planning surveys - Part 2
- Lecture 16 - Demographic Transition
- Lecture 17 - Demographic Models - 1
- Lecture 18 - Demographic Models - 2
- Lecture 19 - Microsimulation and Population Synthesis - 1
- Lecture 20 - Microsimulation and Population Synthesis - 2
- Lecture 21 - Urban Growth Assessment
- Lecture 22 - Urban land suitability assessment
- Lecture 23 - Accessibility - 1
- Lecture 24 - Accessibility - 2
- Lecture 25 - Land Price Model
- Lecture 26 - Discrete choice theory
- Lecture 27 - Residential mobility and location choice - 1
- Lecture 28 - Residential mobility model using binary logistic regression
- Lecture 29 - Residential mobility and location choice - 2

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- Lecture 30 - Residential location choice model using multinomial logistic regression
- Lecture 31 - Travel demand forecasting and Trip generation
- Lecture 32 - Multiple linear regression
- Lecture 33 - Trip Production and Attraction - 1
- Lecture 34 - Trip Production and Attraction - 2
- Lecture 35 - Trip distribution
- Lecture 36 - Mode choice theory
- Lecture 37 - Mode choice model
- Lecture 38 - Hybrid mode choice model - 1 (Factor Analysis)
- Lecture 39 - Hybrid mode choice model - 2 (Joint RP SP model)
- Lecture 40 - Nested logit model
- Lecture 41 - Introduction to Trip Assignment
- Lecture 42 - Route Choice
- Lecture 43 - Link assignment - 1
- Lecture 44 - Link assignment - 2
- Lecture 45 - Dynamic traffic assignment
- Lecture 46 - Transportation Software
- Lecture 47 - CUBE Overview
- Lecture 48 - Travel demand modelling using CUBE and VISUM
- Lecture 49 - Activity based modelling in CUBE
- Lecture 50 - Vehicular emission and pollution modelling
- Lecture 51 - Urban Freight Planning
- Lecture 52 - Urban Freight Planning
- Lecture 53 - Urban Freight Planning
- Lecture 54 - Last Mile Logistics - 1
- Lecture 55 - Last Mile Logistics - 2
- Lecture 56 - Employment location choice and Real estate Development location choice
- Lecture 57 - Activity based model - 1
- Lecture 58 - Activity based model - 2
- Lecture 59 - Mode choice using Machine Learning
- Lecture 60 - Shared Mobility

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

NPTEL Video Course - Architecture - NOC:Urban utilities Planning : Water Supply, Sanitation and Drainage

Subject Co-ordinator - Prof. Debapratim Pandit

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Urban Utilities Planning Issues
- Lecture 2 - Planning Strategies
- Lecture 3 - Planning Strategies (Continued...)
- Lecture 4 - Urban Utilities
- Lecture 5 - Water Sensitive Urban Planning
- Lecture 6 - Water Demand Prediction and Management
- Lecture 7 - Types of Urban Water Demand
- Lecture 8 - Fluctuations in Urban Water Demand
- Lecture 9 - Role of Government
- Lecture 10 - Cost of water supply
- Lecture 11 - Rainfall, Runoff and Ground Water
- Lecture 12 - Groundwater Properties and Flow Characteristics
- Lecture 13 - Groundwater Intakes and Issues
- Lecture 14 - Groundwater Yield
- Lecture 15 - Surface Water Intakes
- Lecture 16 - Pumping Stations
- Lecture 17 - Pumps
- Lecture 18 - Sizing of Pumps
- Lecture 19 - Service Reservoir - Part I
- Lecture 20 - Service Reservoir - Part II
- Lecture 21 - Distribution System Layout
- Lecture 22 - Conveyance of water - Part I
- Lecture 23 - Conveyance of water - Part II
- Lecture 24 - Pipes, Joints, Meters and SCADA Systems
- Lecture 25 - Distribution Network Design
- Lecture 26 - Water quality and testing - Part I
- Lecture 27 - Water quality and testing - Part II
- Lecture 28 - Water treatment - Part I
- Lecture 29 - Water treatment - Part II

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- Lecture 30 - Water treatment - Part III
- Lecture 31 - Sanitation basics - Part I
- Lecture 32 - Sanitation Basics - Part II
- Lecture 33 - Sewage Systems - Part I
- Lecture 34 - Sewage Systems - Part II
- Lecture 35 - Sewage Systems - Part III
- Lecture 36 - Water Carriage System and Sewerage Layout
- Lecture 37 - Quantity of Sanitary Sewage
- Lecture 38 - Storm Water Drainage Planning - Part I
- Lecture 39 - Storm Water Drainage Planning - Part II
- Lecture 40 - Storm Water Drainage Planning - Part III
- Lecture 41 - Sewer Design
- Lecture 42 - Runoff estimation - Part 1
- Lecture 43 - Runoff estimation - Part 2
- Lecture 44 - Sewerage Network Design - Part 1
- Lecture 45 - Sewerage Network Design - Part 2
- Lecture 46 - Sewer appurtenances - Part 1
- Lecture 47 - Sewer appurtenances - Part 2
- Lecture 48 - Storm water drains
- Lecture 49 - Sewer maintenance and cleaning
- Lecture 50 - Laying of sewer and utility corridors
- Lecture 51 - Sewage disposal and treatment in India: Introduction
- Lecture 52 - Natural methods of sewage treatment
- Lecture 53 - Artificial sewage treatment - Part 1: Primary treatment
- Lecture 54 - Artificial sewage treatment - Part 2: Secondary treatment
- Lecture 55 - Artificial sewage treatment - Part 3: Advanced methods
- Lecture 56 - Ground water Recharge - Part 1
- Lecture 57 - Ground water Recharge - Part 2
- Lecture 58 - Urban flood management and drainage plans - Part 1
- Lecture 59 - Urban flood management and drainage plans - Part 2
- Lecture 60 - Urban flood management and drainage plans - Part 3



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

NPTEL Video Course - Architecture - NOC:Urban Services Planning

Subject Co-ordinator - Prof. Debapratim Pandit

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Introduction
- Lecture 2 - Strategic Aspects
- Lecture 3 - Regulatory Framework
- Lecture 4 - Municipal Management and Finance - Part I
- Lecture 5 - Municipal Management and Finance - Part II
- Lecture 6 - Service Planning Basics - Part I
- Lecture 7 - Service Planning Basics - Part II
- Lecture 8 - Service Planning Basics - Part III
- Lecture 9 - Service Planning Basics - Part IV
- Lecture 10 - Service Planning Basics - Part V
- Lecture 11 - Solid Waste Management Rules and Guidelines
- Lecture 12 - Solid Waste Management Rules 2016
- Lecture 13 - MSWM Plan Preparation - Part I
- Lecture 14 - MSWM Plan Preparation - Part II
- Lecture 15 - MSWM Plan Preparation - Part III
- Lecture 16 - Waste Generation - Part I
- Lecture 17 - Waste generation - Part II
- Lecture 18 - Waste quantification and characteristics
- Lecture 19 - Waste composition
- Lecture 20 - Waste storage
- Lecture 21 - Primary and Secondary waste collection - Part I
- Lecture 22 - Primary and Secondary waste collection - Part II
- Lecture 23 - Primary and Secondary waste collection - Part III
- Lecture 24 - Routing and scheduling for solid waste vehicles - Part I
- Lecture 25 - Routing and scheduling for solid waste vehicles - Part II
- Lecture 26 - Waste processing, recycling and recovery - Part 1
- Lecture 27 - Waste processing, recycling and recovery - Part 2
- Lecture 28 - Composting - Part 1
- Lecture 29 - Composting - Part 2

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- Lecture 30 - Composting - Part 3
- Lecture 31 - SWM 2016 Specifications for Sanitary Landfills
- Lecture 32 - Site selection for Sanitary Landfills
- Lecture 33 - Sanitary Landfill Design - Part I
- Lecture 34 - Sanitary Landfill Design - Part II
- Lecture 35 - Sanitary Landfill design - Part III
- Lecture 36 - Waste to Energy - Part I: Biomethanation
- Lecture 37 - Waste to Energy - Part II: Refuse Derived Fuel
- Lecture 38 - Waste to Energy - Part III: Incineration
- Lecture 39 - Waste to Energy - Part IV
- Lecture 40 - Life Cycle Assessment
- Lecture 41 - Street sweeping and Cleaning of surface drains
- Lecture 42 - Construction and demolition waste management - Part I
- Lecture 43 - Construction and demolition waste management - Part II
- Lecture 44 - Special waste management - Part I
- Lecture 45 - Special waste management - Part II
- Lecture 46 - Healthcare facility standards - Part I
- Lecture 47 - Healthcare facility standards - Part II
- Lecture 48 - Urban Health Services - Part I
- Lecture 49 - Urban Health Services - Part II
- Lecture 50 - Health in Urban Planning
- Lecture 51 - Municipal Social Services: Introduction
- Lecture 52 - Economic and Social development
- Lecture 53 - Urban Poverty Alleviation
- Lecture 54 - Education
- Lecture 55 - Vulnerable population groups
- Lecture 56 - Vector Borne Disease Control
- Lecture 57 - Street Lighting
- Lecture 58 - Urban Forestry, Parks and Open Spaces
- Lecture 59 - Fire Stations
- Lecture 60 - Crematoriums and Burial Grounds

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

NPTEL Video Course - Architecture - NOC:Introduction to History of Architecture in India

Subject Co-ordinator - Prof. Pushkar Sohoni

Co-ordinating Institute - IIT - Madras

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

- Lecture 1 - Early Architecture
- Lecture 2 - Buddhist and Early Temple Architecture
- Lecture 3 - Sacrificial Altars and Divine Shelters
- Lecture 4 - The Great Temple
- Lecture 5 - Week-1 Review
- Lecture 6 - Delhi Sultanate
- Lecture 7 - Regional Sultanates
- Lecture 8 - Temple and Mosque
- Lecture 9 - Daulatabad Fort
- Lecture 10 - Week-2 Review
- Lecture 11 - Mughal Architecture - Part 1
- Lecture 12 - Mughal Architecture - Part 2
- Lecture 13 - Imbrication of Sultanate and Maratha Architecture
- Lecture 14 - Maratha Temple
- Lecture 15 - Week-3 Review
- Lecture 16 - Princely States of India
- Lecture 17 - Colonial Architecture In India
- Lecture 18 - International, Art Deco, Modern
- Lecture 19 - Architecture Today Commerce and Creativity
- Lecture 20 - Week-4 Review

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

NPTEL Video Course - Architecture - NOC:Strategies for Sustainable Design

Subject Co-ordinator - Prof. Shiva Ji

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - Strategies for Sustainable Design - Welcome Lecture

Lecture 2 - Various Perspectives around Sustainability

Lecture 3 - Spheres of Energy Efficient/Green/Environmental/Sustainable Designs

Lecture 4 - Environmental Sustainability

Lecture 5 - Social Sustainability

Lecture 6 - Economic Sustainability

Lecture 7 - Climate Change Mitigation and the Way Forward

Lecture 8 - Future of Human Habitation Design

Lecture 9 - Relevance of Sustainable Design in Contemporary Context

Lecture 10 - Built Environment and Energy Consumption

Lecture 11 - Reliance and Dependence of Building Design on Energy

Lecture 12 - Current Scenario of Sustainable Design: Indian

Lecture 13 - Current Scenario of Sustainable Design: International

Lecture 14 - Designing Strategically for Preventing pollution: Air, Water, Soil, Noise, Light Radiation, etc

Lecture 15 - Low Environmental Impact

Lecture 16 - Thinking for Alternatives through Systemic Design

Lecture 17 - Consumption and Consumerist Lifestyle

Lecture 18 - Environmental impact Assessment

Lecture 19 - Lifecycle Analysis - Part A

Lecture 20 - Lifecycle Analysis - Part B

Lecture 21 - Growth and Development in Construction and Allied Sectors

Lecture 22 - Policy Push in Real Estate and Manufacturing Sectors

Lecture 23 - Policy Push for Development of the Low Economic Regions

Lecture 24 - Sustainable Building Materials

Lecture 25 - Reduce/Reuse/Recycle

Lecture 26 - National Building Code 2016 - Part 11 and Energy Conservation Building Code

Lecture 27 - Guidelines for Building Design by SA Methods: GRIHA

Lecture 28 - UN SDG for Sustainable Development

Lecture 29 - LeNS Design Method and Tools such as SPSS, MSDS, DE

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

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- Lecture 30 - Vernacular Design Case Example
- Lecture 31 - Climate Responsiveness
- Lecture 32 - Thinking the Unthinkable: Need for Innovation in Design Process
- Lecture 33 - Design for Net-Zero Energy, Lighting, Ventilation, Views and Human Comfort
- Lecture 34 - D4S with Inspiration from Nature
- Lecture 35 - D4S for Optimization of Manufacturing
- Lecture 36 - International Conventions, Laws and Emerging Technologies for SD
- Lecture 37 - Environmental Laws
- Lecture 38 - Emerging Technologies and their Possible Intervention in Design
- Lecture 39 - Case 1 - Campus Planning and Design of IIT Gandhinagar
- Lecture 40 - Case 2 - A Comparative Analysis of Product Designs
- Lecture 41 - Case 3 - Design of First Net-Zero Building of India
- Lecture 42 - Case 4 - A Comparative Analysis of International Design Projects
- Lecture 43 - Summary

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

NPTEL Video Course - Architecture - NOC:Housing Policy and Planning

Subject Co-ordinator - Prof. Uttam Kumar Roy

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Introduction to Housing
- Lecture 2 - Housing Classifications
- Lecture 3 - Housing Situation
- Lecture 4 - Policy and Public intervention - 1
- Lecture 5 - Policy and Public intervention - 2
- Lecture 6 - Urban Reform
- Lecture 7 - Housing Policy
- Lecture 8 - Legal and Institutional Framework for Housing
- Lecture 9 - Land for Housing - 1
- Lecture 10 - Land for Housing - 2
- Lecture 11 - Affordability and Housing Finance
- Lecture 12 - Technology Systems in Housing Delivery - 1
- Lecture 13 - Technology Systems in Housing Delivery - 2
- Lecture 14 - Housing for All Mission (PMAY) and Technology Sub-mission
- Lecture 15 - Summing up of Part-1 (Policy) and Introduction to Housing Planning
- Lecture 16 - Urban and Regional Planning - 1
- Lecture 17 - Urban and Regional Planning - 2
- Lecture 18 - Development Controls
- Lecture 19 - Housing Infrastructure and Services-1
- Lecture 20 - Housing Infrastructure and Services-2
- Lecture 21 - Housing Infrastructure and Services-3
- Lecture 22 - Housing Strategy for City-1
- Lecture 23 - Housing Strategy for City-2
- Lecture 24 - Housing Strategy for City-3
- Lecture 25 - Planning for Plotted Housing
- Lecture 26 - Planning for Group Housing
- Lecture 27 - Community Development in Housing
- Lecture 28 - Cooperative Housing
- Lecture 29 - Institutional and rental housing

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

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- Lecture 30 - Working Person's hostel and Serviced Apartments
- Lecture 31 - Informal Housing Typologies
- Lecture 32 - Approaches in Improving Slums and Squatters
- Lecture 33 - Urban Village and Unauthorized Construction
- Lecture 34 - Pavement Dwellers and Night Shelters
- Lecture 35 - Old Age Home
- Lecture 36 - Disaster Resistant Housing
- Lecture 37 - Housing and Real Estate Development
- Lecture 38 - Housing Management
- Lecture 39 - Housing
- Lecture 40 - Course Summary and Conclusion

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

NPTEL Video Course - Architecture - NOC:Visual Communication Design for Digital Media

Subject Co-ordinator - Prof. Saptarshi Kolay

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction to Visual Communication Design for Digital Media

Lecture 2 - Elements of Design - Part 1

Lecture 3 - Elements of Design - Part 2

Lecture 4 - Principles of Design - Part 1

Lecture 5 - Principles of Design - Part 2

Lecture 6 - Types of digital media technology - an overview of the field

Lecture 7 - Typography - 1

Lecture 8 - Typography - 2

Lecture 9 - Semiotics - 1

Lecture 10 - Semiotics - 2

Lecture 11 - Visual perception

Lecture 12 - Contemporary Visual Language - 1

Lecture 13 - Contemporary Visual Language - 2

Lecture 14 - Technology Advancements in Digital Media

Lecture 15 - Visual Design Methodology - 1\_Generic Design

Lecture 16 - Visual Design Methodology - 2\_Generic Design

Lecture 17 - Visual Design Methodology - 3\_Animation

Lecture 18 - Visual Design Methodology - 4\_web design

Lecture 19 - Visual Design Methodology - 5\_graphic-design

Lecture 20 - Case Studies of Visual Design on Digital Paradigm

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

NPTEL Video Course - Architecture - NOC:Culturally Responsive Built Environments

Subject Co-ordinator - Prof. Ram Sateesh Pasupuleti

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - A Place

Lecture 2 - Place and Identity

Lecture 3 - Habitus - A Sense of Place

Lecture 4 - A Home - Introduction to Vernacular Architecture

Lecture 5 - The New Vernacular

Lecture 6 - Understanding Vernacular - Towards Anthropology

Lecture 7 - Understanding Rock Shelters

Lecture 8 - The Ecological and Sacred Dimension

Lecture 9 - Winter Landscape and Urbanism

Lecture 10 - Winter Cities

Lecture 11 - Power in Built Form

Lecture 12 - Spatial Analysis

Lecture 13 - The Forbidden Space

Lecture 14 - Religious Architecture

Lecture 15 - Understanding Construction Workers' Housing

Lecture 16 - Culture and Disasters - Towards Method and Framework

Lecture 17 - Understanding Post Tsunami Response (Tamilnadu)

Lecture 18 - Cultural Heritage

Lecture 19 - Understanding the Cultural Context in Disasters and Development

Lecture 20 - Culture, Climate Change Adaptation And Disaster Risk Reduction

Lecture 21 - Conservation

Lecture 22 - Conservation

Lecture 23 - Learning from Vernacular

Lecture 24 - Protection of the World Cultural and Natural Heritage

Lecture 25 - Intangible Cultural Heritage

Lecture 26 - City HRIDAY Plan of Badami

Lecture 27 - Cultural planning Approaches

Lecture 28 - Urban Transformations in Doha

Lecture 29 - How The Other Half Builds?

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

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- Lecture 30 - How To/Not To Relocate Slums?
- Lecture 31 - Stone- as a Vernacular Building material
- Lecture 32 - Timber as Vernacular Building material
- Lecture 33 - Timber Construction (A journey from Advanced to Vernacular)
- Lecture 34 - How To Study Vernacular Architecture?
- Lecture 35 - Architecture with out Architects
- Lecture 36 - Social Change in India (Sanskritisation)
- Lecture 37 - Social Change in India (Westernization)
- Lecture 38 - Social Change in India (Modernization- Globalization)
- Lecture 39 - Pluralism in Built Environment Education
- Lecture 40 - Summary and Conclusion

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

NPTEL Video Course - Architecture - NOC:Contemporary Architecture and Design

Subject Co-ordinator - Prof. Saptarshi Kolay

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Introduction
- Lecture 2 - World Architecture and Design History
- Lecture 3 - Industrial Revolution and Beginning of Modern Era
- Lecture 4 - Post Industrial Revolution
- Lecture 5 - Post Industrial Revolution
- Lecture 6 - Post Industrial Revolution
- Lecture 7 - Post Industrial Revolution
- Lecture 8 - Evolution and Timeline of Modern Architecture and Design
- Lecture 9 - Phases of Modern Architecture - Bauhaus
- Lecture 10 - Phases of Modern Architecture - De Stijl
- Lecture 11 - Phases of Modern Architecture - Chicago School
- Lecture 12 - Phases of Modern Architecture - Chicago and Prairie School
- Lecture 13 - Phases of Modern Architecture - Prairie School
- Lecture 14 - Phases of Modern Architecture - Organic - Part 1
- Lecture 15 - Phases of Modern Architecture - Organic - Part 2
- Lecture 16 - Phases of Modern Architecture - Art Deco - Part 1
- Lecture 17 - Phases of Modern Architecture - Art Deco - Part 2
- Lecture 18 - Phases of Modern Architecture - Internationalism - Part 1
- Lecture 19 - Phases of Modern Architecture - Internationalism - Part 2
- Lecture 20 - Phases of Modern Architecture - Expressionism
- Lecture 21 - Phases of Modern Architecture - Monolithic Style
- Lecture 22 - Phases of Modern Architecture - Tensile and Steel Structures - Part 1
- Lecture 23 - Phases of Modern Architecture - Tensile and Steel Structures - Part 2
- Lecture 24 - Phases of Modern Architecture - Brutalism
- Lecture 25 - Phases of Modern Architecture - Metabolism
- Lecture 26 - Phases of Modern Architecture - Brutalism and Metabolism in India
- Lecture 27 - Phases of Modern Art - Part 1
- Lecture 28 - Phases of Modern Art - Part 2
- Lecture 29 - Phases of Post Modern Architecture - Part I

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

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- Lecture 30 - Phases of Post Modern Architecture - Part II
- Lecture 31 - Phases of Post Modern Architecture - Historicism
- Lecture 32 - Phases of Post Modern Architecture - High Tech
- Lecture 33 - Phases of Post Modern Architecture - Neo Modern
- Lecture 34 - Phases of Post Modern Architecture - Critical Regionalism
- Lecture 35 - Phases of Post Modern Architecture - Memphis Milano
- Lecture 36 - Phases of Post Modern Architecture - Deconstructivism - Part I
- Lecture 37 - Phases of Post Modern Architecture - Deconstructivism - Part II
- Lecture 38 - Phases of Post Modern Architecture - Pop Art
- Lecture 39 - Evolution of Typography in Contemporary Era
- Lecture 40 - Phases of Post Modern Architecture - Industrial Design

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

NPTEL Video Course - Architecture - NOC:Role of Craft and Technology in Interior-Architecture

Subject Co-ordinator - Prof. Smriti Saraswat

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Interior-Architecture

Lecture 2 - Craft

Lecture 3 - Interior-Architecture and Craft and Technology

Lecture 4 - Interior-Architecture and Craft and Technology

Lecture 5 - Summary and Discourse - I

Lecture 6 - Interior-Architecture

Lecture 7 - Traditional Knowledge Systems and the Ingenious skills of the communities

Lecture 8 - Interior-Architecture

Lecture 9 - Traditional Knowledge Systems and the Indigenous materials; tools and techniques

Lecture 10 - Summary and Discourse - II

Lecture 11 - Creative and Cultural Industries

Lecture 12 - Building Crafts

Lecture 13 - Building Crafts

Lecture 14 - Building Crafts; Craft and Technology and its Role in Creating/Enhancing Interior-Architecture

Lecture 15 - Summary and Discourse - III

Lecture 16 - Best Studies related to the Craft Sector

Lecture 17 - Case Studies from Gujarat

Lecture 18 - Case Studies from Rajasthan

Lecture 19 - Case Studies from Uttarakhand

Lecture 20 - Summary and Discourse - IV

Lecture 21 - Craft and Technology in Interior Architecture

Lecture 22 - Craft and Technology in Interior Architecture; Decoding Systems

Lecture 23 - Craft and Technology in Interior Architecture

Lecture 24 - Craft and Technology in Interior Architecture; Transformation through Time

Lecture 25 - Summary and Discourse - V

Lecture 26 - Overview of the Craft Sector Today

Lecture 27 - Craft Sector

Lecture 28 - Craft Sector

Lecture 29 - Craft Sector

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

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- Lecture 30 - Summary and Discourse - VI
- Lecture 31 - Continuity and Revival
- Lecture 32 - Continuity and Revival
- Lecture 33 - Continuity and Revival
- Lecture 34 - Continuity and Revival
- Lecture 35 - Summary and Discourse - VII
- Lecture 36 - Interventions
- Lecture 37 - Interventions
- Lecture 38 - Interventions
- Lecture 39 - Interventions
- Lecture 40 - Summary and Discourse - VIII

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

NPTEL Video Course - Architecture - NOC:Urban Governance and Development Management

Subject Co-ordinator - Prof. Uttam Kumar Roy

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Introduction to Urbanisation
- Lecture 2 - Introduction to Urban Governance
- Lecture 3 - Constitutional Provision for Urban Local Governance
- Lecture 4 - Legislative Provisions
- Lecture 5 - Interfaces
- Lecture 6 - People & Community - 1
- Lecture 7 - People & Community - 2
- Lecture 8 - Land as Basic Resource
- Lecture 9 - Urban Environment and Ecology
- Lecture 10 - Distinctive Features of Non-Municipal Urban (NMU) and Nagar Panchayats
- Lecture 11 - Organisation Development
- Lecture 12 - Transparency and Accountability
- Lecture 13 - Capacity Building - 1
- Lecture 14 - Capacity Building - 2
- Lecture 15 - Improving Systems and Processes for Urban Governance
- Lecture 16 - Urban Reform and Managing Change - 1
- Lecture 17 - Urban Reform and Managing Change - 2
- Lecture 18 - Visioning for Cities
- Lecture 19 - Resolving Conflicts for Managing Change
- Lecture 20 - Leadership and Team Building
- Lecture 21 - Basic Concepts of Planning and Development
- Lecture 22 - Regional and Metropolitan Planning
- Lecture 23 - Urban Planning
- Lecture 24 - Urban Infrastructure and Services - 1
- Lecture 25 - Urban Infrastructure and Services - 2
- Lecture 26 - Overview of Municipal Finance
- Lecture 27 - Alternate Sources of Municipal Finance
- Lecture 28 - Municipal Accounts
- Lecture 29 - Value Capture Financing

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

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- Lecture 30 - Public Private Partnership (PPP) in Urban Governance
- Lecture 31 - Housing Strategy for Cities
- Lecture 32 - Housing & Urban Poverty
- Lecture 33 - Real Estate Regulation and Development
- Lecture 34 - Urban Land Management
- Lecture 35 - Urban Risk and Disaster Management
- Lecture 36 - Managing Urban Environment - 1
- Lecture 37 - Managing Urban Environment - 2 (Mandates for Blue and Green Infrastructures)
- Lecture 38 - Traffic and Transportation Management - 1
- Lecture 39 - Traffic and Transportation Management - 2
- Lecture 40 - Designing Urban Public Spaces
- Lecture 41 - Centrally Sponsored Programmes and Schemes
- Lecture 42 - AMRUT
- Lecture 43 - Smart City
- Lecture 44 - Swachh Bharat Mission and HRIDAY
- Lecture 45 - PMAY and NULM
- Lecture 46 - Fundamentals of Project Planning
- Lecture 47 - Formulation of Projects
- Lecture 48 - Project Monitoring and Management
- Lecture 49 - Essentials of Infrastructure and Engineering Design
- Lecture 50 - Managing Trans-municipal and Large Projects
- Lecture 51 - Enhancing City Image
- Lecture 52 - Essential Competencies of City Managers
- Lecture 53 - Problem Solving and Decision Making
- Lecture 54 - Effective Negotiation
- Lecture 55 - Communication Skills
- Lecture 56 - Time Management
- Lecture 57 - Stress Management
- Lecture 58 - Best Practices in Urban Management
- Lecture 59 - Reflective Learning and Excellence
- Lecture 60 - Course Summary, Doubt Clearing and Further Reading



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

NPTEL Video Course - Architecture - NOC:User Interface Design

Subject Co-ordinator - Prof. Saptarshi Kolay

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Introduction
- Lecture 2 - User Interface Designer
- Lecture 3 - Design methods - I
- Lecture 4 - Design Methods - II
- Lecture 5 - Human Factor in Interaction Design
- Lecture 6 - User Research - I
- Lecture 7 - User Research - II
- Lecture 8 - Low Fidelity Design - I
- Lecture 9 - Low Fidelity Design - II
- Lecture 10 - High Fidelity Design
- Lecture 11 - Visual Cognition
- Lecture 12 - Contemporary Visual Language in Design - I
- Lecture 13 - Contemporary Visual Language in Design - II
- Lecture 14 - Usage of Typography in User Interface Design - I
- Lecture 15 - Usage of Typography in User Interface Design - II
- Lecture 16 - Design Semiotics and Visual Perception
- Lecture 17 - Visual Communication Design
- Lecture 18 - User Testing - I
- Lecture 19 - User Testing - II
- Lecture 20 - Contemporary Interface Design Technology

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

NPTEL Video Course - Architecture - NOC:Disaster Recovery and Build Back Better

Subject Co-ordinator - Prof. Subhojyothi Samaddar

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Disaster risk
- Lecture 2 - Disaster Recovery and Build Back Better
- Lecture 3 - Risk Perception and Disaster Risk Preparedness - Part 2
- Lecture 4 - Build Back Better - People's Perspectives
- Lecture 5 - Architecture at Risk
- Lecture 6 - Culture, climate change adaptation and disaster risk reduction
- Lecture 7 - Ayutthaya at Risk
- Lecture 8 - Disaster vulnerability
- Lecture 9 - Cultural Heritage
- Lecture 10 - Rock shelters at risk
- Lecture 11 - The Built Environment Professions in Disaster Risk Reduction and Response
- Lecture 12 - Gadri discussions
- Lecture 13 - Community Participation in Disaster Risk Governance
- Lecture 14 - Community Participation in Disaster Risk Governance
- Lecture 15 - Frameworks
- Lecture 16 - Disaster Preparedness from Cognitive and Heuristic Perspectives
- Lecture 17 - Information for Disaster Preparedness
- Lecture 18 - The Role of Social Networks in Disaster Preparedness
- Lecture 19 - Diffusion of Disaster Preparedness Technology
- Lecture 20 - Cities and Climate Change
- Lecture 21 - Temporary Shelter Construction in India
- Lecture 22 - Temporary shelter construction in Kenya
- Lecture 23 - Build back better in Nepal recovery
- Lecture 24 - Lessons from Peru
- Lecture 25 - Progressive Housing in El Salvador
- Lecture 26 - Decentralizing (re)construction in Colombia
- Lecture 27 - Tsunami reconstruction in Tamilnadu - Part 1 (Approach)
- Lecture 28 - Tsunami reconstruction in Tamilnadu - Part 2 (Findings)
- Lecture 29 - Culture and (disaster)risk

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

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- Lecture 30 - Cultural theory of risk
- Lecture 31 - Guidance to DRR
- Lecture 32 - Self-help housing in Turkey
- Lecture 33 - The Production of refugee place in time
- Lecture 34 - Assessments
- Lecture 35 - Designing culturally responsive built environment in disaster context
- Lecture 36 - Disaster Risk Communication
- Lecture 37 - CAM and CBDRM
- Lecture 38 - How to teach disaster recovery and built back better in-built environment education
- Lecture 39 - Source, Message and Receiver in Disaster Risk Communication
- Lecture 40 - Summary and Conclusion

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

NPTEL Video Course - Architecture - NOC:Sustainable Architecture

Subject Co-ordinator - Prof. Avlokita Agrawal

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

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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
- Lecture 58 - Whole Building Performance - VIII
- Lecture 59 - Whole Building Performance - IX
- Lecture 60 - Whole Building Performance - X

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

NPTEL Video Course - Architecture - NOC:Structure, Form and Architecture: The Synergy

Subject Co-ordinator - Prof. Shubhajit Sadhukhan

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Introduction to Structure, Form and Architecture
- Lecture 2 - Relationship of Structure to Architectural Buildings - Part I
- Lecture 3 - Relationship of Structure to Architectural Buildings - Part II
- Lecture 4 - Loads on Structures
- Lecture 5 - Synthesis of Architectural and Structural Form
- Lecture 6 - Connecting Structure and Architecture - Part I
- Lecture 7 - Connecting Structure and Architecture - Part II
- Lecture 8 - Structural Transformation in Architectural History
- Lecture 9 - Factors affecting the Structural Forms
- Lecture 10 - Learning from Animal's Architecture
- Lecture 11 - Basic Structural Properties
- Lecture 12 - Structural Requirements
- Lecture 13 - Structural Arrangement
- Lecture 14 - Structural Forms and Shapes
- Lecture 15 - Structural Materials
- Lecture 16 - Structural Typology
- Lecture 17 - Compressive Structures
- Lecture 18 - Tensile Structures
- Lecture 19 - Load Bearing Structures
- Lecture 20 - Temporary Structures
- Lecture 21 - Framed Structure
- Lecture 22 - Arch Structures
- Lecture 23 - Vault Structures
- Lecture 24 - Dome Structures
- Lecture 25 - Grid Structures
- Lecture 26 - Shell Structures
- Lecture 27 - Trusses and Space Frames
- Lecture 28 - Folded Plate Structures
- Lecture 29 - Membrane Structures

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

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- Lecture 30 - Pneumatic Structures
- Lecture 31 - Structure and Architectural Forms in Windy Areas
- Lecture 32 - Structure and Architectural Forms in Seismic Prone Areas
- Lecture 33 - Structure and Architectural Forms in Flood Prone Areas
- Lecture 34 - Cost Effective Structure and Architecture
- Lecture 35 - Structure and Light in Architecture
- Lecture 36 - Evolution of Highrise Structural System
- Lecture 37 - Highrise Structural Components - Part I
- Lecture 38 - Highrise Structural Components - Part II
- Lecture 39 - Mega Structure and Architecture-Case Studies
- Lecture 40 - Architecture and Structure - Past, Present and Future

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

NPTEL Video Course - Architecture - NOC:Engineering-Architectural Graphics - Part I: Orthographic projection

Subject Co-ordinator - Prof. Avlokita Agrawal

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction to Engineering Graphics

Lecture 2 - Drawing Instruments

Lecture 3 - Sheet Layout and Fixing Sheet

Lecture 4 - Types of Lines and Graphic Symbols

Lecture 5 - Lettering

Lecture 6 - Dimensioning

Lecture 7 - Basic Geometrical Construction

Lecture 8 - Scales

Lecture 9 - Curves used in Engineering Practice: Conic Sections

Lecture 10 - Curves used in Engineering Practice: Cycloids, Trochoids and Involutives

Lecture 11 - Introduction to Orthographic Projection

Lecture 12 - Orthographic Projections - 1st Quadrant Vs 3rd Quadrant

Lecture 13 - Orthographic Projections - Projection of Points

Lecture 14 - Orthographic Projections - Introduction to Projection of Lines

Lecture 15 - Locus of Points

Lecture 16 - Projection of lines parallel to both the reference planes

Lecture 17 - Projection of line parallel to one and perpendicular to another plane

Lecture 18 - Projection of lines inclined to one plane

Lecture 19 - Projection of lines inclined to both the planes

Lecture 20 - Projection of a point and line on auxiliary plane

Lecture 21 - Projection of a plane perpendicular to both the reference planes

Lecture 22 - Projection of a plane perpendicular to one and parallel to another plane

Lecture 23 - Projection of a plane inclined to one and perpendicular to the other plane

Lecture 24 - Projection of a plane inclined to both the reference planes - I

Lecture 25 - Projection of a plane inclined to both the reference planes - II

Lecture 26 - Introduction to types of solids

Lecture 27 - Projection of solids in simple positions

Lecture 28 - Projection of solids with axis inclined to one of the reference planes and parallel to another

Lecture 29 - Projection of solids with axis inclined to both the reference planes

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

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- Lecture 30 - Projection of spheres
- Lecture 31 - Orthographic Projections Introduction to Sections of Solids
- Lecture 32 - Orthographic Projections Sections of Prisms
- Lecture 33 - Orthographic Projections Sections of Pyramids
- Lecture 34 - Orthographic Projections Sections of Cylinders
- Lecture 35 - Orthographic Projections Sections of Cones
- Lecture 36 - Orthographic Projections Sections of Spheres
- Lecture 37 - Development of Surfaces - I
- Lecture 38 - Development of Surfaces - II
- Lecture 39 - Intersection of Surfaces - I
- Lecture 40 - Intersection of Surfaces - II

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

NPTEL Video Course - Architecture - NOC:Introduction to Urban Planning

Subject Co-ordinator - Prof. Harshit Sosan Lakra

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Conceptual Understanding of the Urban Areas
- Lecture 2 - Urbanization and Sustainable Development
- Lecture 3 - Urban Planning and 73-74 Constitution Amendment Acts
- Lecture 4 - Types and Level of Plans
- Lecture 5 - Regional Plan - I
- Lecture 6 - Regional Plan - II
- Lecture 7 - Development Plan - I
- Lecture 8 - Development Plan - II (Case Study- Draft Bhopal Development Plan 2031)
- Lecture 9 - Zonal Plan
- Lecture 10 - Town Planning Scheme
- Lecture 11 - Local Area Plan (Urban Redevelopment Plan)
- Lecture 12 - Special Purpose Plan (AMRUT)
- Lecture 13 - Special Purpose Plan (HRIDAY)
- Lecture 14 - Special Purpose Plan (Smart City)
- Lecture 15 - Perspective Plan (Agenda 2030 SDGs)
- Lecture 16 - Contextualizing Cities (Egyptian, Mesopotamian, and Indus Valley Civilization)
- Lecture 17 - Contextualizing Cities (Vedic Period)
- Lecture 18 - Contextualizing Cities (Greek and Roman)
- Lecture 19 - Contextualizing Cities (Industrial Revolution)
- Lecture 20 - Contextualizing Cities (1900-1939)
- Lecture 21 - Contextualizing Cities (1940-1979)
- Lecture 22 - Contextualizing Cities (1980-2021)
- Lecture 23 - Public Health and Urban Planning - I
- Lecture 24 - Public Health and Urban Planning - II
- Lecture 25 - Public Health and Urban Planning - III
- Lecture 26 - Public Health and Urban Planning - IV
- Lecture 27 - Housing Issues in India
- Lecture 28 - Culture and Planning of Cities
- Lecture 29 - Urbanization and Environmental Problems

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

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- Lecture 30 - Urbanization and Slums
- Lecture 31 - Introduction to Planning Legislation
- Lecture 32 - Evolution and Growth of Planning Legislation - I
- Lecture 33 - Evolution and Growth of Planning Legislation - II (USA)
- Lecture 34 - Evolution and Growth of Planning Legislation - III (India)
- Lecture 35 - Land Acquisition Act
- Lecture 36 - Legal Requirements for Industrial Development
- Lecture 37 - National Environmental Legal Requirements
- Lecture 38 - Section I - Cantonment Act and Section II - Legal Requirement for Heritage Conservation
- Lecture 39 - Zoning Regulation
- Lecture 40 - Contemplating Learning Outcomes and Future Direction in Urban Planning

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

NPTEL Video Course - Architecture - NOC:Engineering, Architectural Graphics - Part II (Isometric and Axonometric)

Subject Co-ordinator - Prof. Avlokita Agrawal

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Introduction to isometric projection and isometric Scale
- Lecture 2 - Isometric projection of planar figures - quadrilaterals
- Lecture 3 - Isometric projection of planar figures - circles, semi circles and curves
- Lecture 4 - Isometric projection of straight prisms
- Lecture 5 - Isometric projection of straight pyramids
- Lecture 6 - Isometric projection of Straight Cylinders
- Lecture 7 - Isometric projection of Cones
- Lecture 8 - Isometric projection of Frustums of cones and pyramids
- Lecture 9 - Isometric projection of section of solids
- Lecture 10 - Isometric projection of spheres
- Lecture 11 - Isometric projection of combination of solids
- Lecture 12 - Isometric Projection of intersecting solids
- Lecture 13 - Converting orthographic views to isometric drawing - 1
- Lecture 14 - Converting orthographic views to isometric drawing - 2
- Lecture 15 - Converting Isometric drawing to orthographic views
- Lecture 16 - Introduction to axonometric projection
- Lecture 17 - Axonometric projection of planar figures- quadrilaterals, circles and curves
- Lecture 18 - Axonometric projection of prisms and pyramids
- Lecture 19 - Axonometric projection of Cylinders, cones and spheres
- Lecture 20 - Axonometric projection of intersecting solids and combination of solids

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

NPTEL Video Course - Architecture - NOC:Environmental Impact Assessment

Subject Co-ordinator - Prof. Harshit Sosan Lakra

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - State of Global Environment (Air)
- Lecture 2 - State of Global Environment (Biodiversity)
- Lecture 3 - State of Global Environment (Oceans and Coasts)
- Lecture 4 - State of Global Environment (Land and Soil)
- Lecture 5 - State of Global Environment (Freshwater)
- Lecture 6 - Definition, Process and Purpose of EIA
- Lecture 7 - EIA Impact Areas, Current and Emerging - Part I
- Lecture 8 - EIA Impact Areas, Current and Emerging - Part II
- Lecture 9 - EIA Origin in USA and World-Wide Development
- Lecture 10 - EIA in India
- Lecture 11 - World Sustainable Development Timeline (1970-1999)
- Lecture 12 - World Sustainable Development Timeline (2000-2021)
- Lecture 13 - EIA Law, Policy and Institutional arrangements for EIA systems - Part I
- Lecture 14 - EIA Law, Policy and Institutional Arrangements for EIA Systems - Part II - Air
- Lecture 15 - EIA Law, Policy and Institutional Arrangements for EIA Systems - Part III - Air
- Lecture 16 - EIA Law, Policy and Institutional arrangements for EIA Systems - Part IV - Water and Geology
- Lecture 17 - EIA Law, Policy and Institutional Arrangements for EIA Systems - Part V - Ecology
- Lecture 18 - EIA Law, Policy and Institutional Arrangements for EIA Systems - Part VI - Coastal Ecology and G
- Lecture 19 - EIA Law, Policy and Institutional arrangements for EIA Systems - Part VII - Noise
- Lecture 20 - EIA Law, Policy and Institutional arrangements for EIA Systems - Part VIII - Ecosystem Services
- Lecture 21 - EIA Law, Policy and Institutional Arrangements for EIA Systems - Part IX - Cultural Heritage and
- Lecture 22 - EIA Law, Policy and Institutional Arrangements for EIA Systems - Part X
- Lecture 23 - EIA Law, Policy and Institutional Arrangements for EIA Systems - Part XI
- Lecture 24 - EIA Law, Policy and Institutional Arrangements for EIA Systems - Part XII
- Lecture 25 - EIA Law, Policy and Institutional Arrangements for EIA Systems - Part XIII
- Lecture 26 - EIA Process - Starting and Initial Stage
- Lecture 27 - EIA Process - Impact Prediction
- Lecture 28 - EIA Process - Impact Evaluation, Mitigation and Enhancement
- Lecture 29 - EIA Process - Participation, Presentation and Review

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

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- Lecture 30 - EIA Process - Follow-Up (Monitoring and Auditing)
- Lecture 31 - EIA Methods - Air Assessment - Part I
- Lecture 32 - EIA Methods - Air Assessment - Part II
- Lecture 33 - EIA Methods - Water Assessment
- Lecture 34 - EIA Methods - Soil, Land and Geology
- Lecture 35 - EIA Methods - Climate and Climate Change - Part I
- Lecture 36 - EIA Methods - Climate and Climate Change - Part II
- Lecture 37 - EIA Methods for Ecology (Definitions and Concepts)
- Lecture 38 - EIA Methods for Ecology (Baseline Study)
- Lecture 39 - EIA Methods for Ecology (Impact Prediction and Evaluation)
- Lecture 40 - EIA Methods - Ecosystem Services - Part I
- Lecture 41 - EIA Methods - Ecosystem Services - Part II
- Lecture 42 - EIA Methods - Coastal Ecology and Geomorphology - Part I
- Lecture 43 - EIA Methods - Coastal Ecology and Geomorphology - Part II
- Lecture 44 - EIA Methods - Noise
- Lecture 45 - EIA Methods - Transport
- Lecture 46 - EIA Methods - Landscape and Visuals
- Lecture 47 - EIA Methods - Cultural Heritage
- Lecture 48 - EIA Methods - Health
- Lecture 49 - EIA Methods - Socio-Economic Impacts (SIA) - Part I
- Lecture 50 - EIA Methods - Socio-Economic Impacts (SIA) - Part II
- Lecture 51 - EIA Methods - Land Acquisition, Resettlement and Livelihoods
- Lecture 52 - EIA Methods - Resource Efficiency
- Lecture 53 - EIA Methods - Risk and Risk Assessment
- Lecture 54 - EIA Methods - Cumulative Effects
- Lecture 55 - EIA - Environmental Management Plans
- Lecture 56 - EIA - Widening the scope: Strategic Environmental Assessment
- Lecture 57 - EIA - Reporting and Review of EIA Quality
- Lecture 58 - EIA Case Study - Mumbai Metro Line 3, Colaba - Bandra - SEEPZ
- Lecture 59 - EIA Case Study - Development of Water Aerodrome, Andaman and Nicobar - Part - I
- Lecture 60 - EIA Case Study - Development of Water Aerodrome, Andaman and Nicobar - Part - II

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

NPTEL Video Course - Architecture - NOC:Modern Indian Architecture

Subject Co-ordinator - Prof. P.S. Chani

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction - Part 1

Lecture 2 - Introduction - Part 2

Lecture 3 - Pre-Independence - Part 1: Indo-Saracenic Architecture

Lecture 4 - Pre-Independence - Part 2: Colonial Architecture and Art Deco

Lecture 5 - Pre-Independence to Independence - Part 1

Lecture 6 - Pre-Independence to Independence - Part 2

Lecture 7 - Revivalism

Lecture 8 - The First Generation (1945-1970) - Part 1

Lecture 9 - The First Generation (1945-1970) - Part 2

Lecture 10 - The First Generation (1945-1970) - Part 3

Lecture 11 - The First Generation (1945-1970) - Part 4

Lecture 12 - The First Generation (1945-1970) - Part 5

Lecture 13 - The First Generation (1945-1970) - Part 6

Lecture 14 - Impact of Western Architects: Le Corbusier - Part 1

Lecture 15 - Impact of Western Architects: Le Corbusier - Part 2

Lecture 16 - Impact of Western Architects: Le Corbusier - Part 3

Lecture 17 - Impact of Western Architects: Le Corbusier - Part 4

Lecture 18 - Impact of Western Architects: Le Corbusier - Part 5

Lecture 19 - Impact of Western Architects: Le Corbusier - Part 6

Lecture 20 - Impact of Western Architects: Walter Gropius - Part 1

Lecture 21 - Impact of Western Architects: Walter Gropius - Part 2

Lecture 22 - Impact of Western Architects: Louis I Kahn - Part 1

Lecture 23 - Impact of Western Architects: Louis I Kahn - Part 2

Lecture 24 - Impact of Western Architects: Louis I Kahn - Part 3

Lecture 25 - Impact of Western Architects: Louis I Kahn - Part 4

Lecture 26 - Introduction to Critical Regionalism - Part 1

Lecture 27 - Introduction to Critical Regionalism - Part 2

Lecture 28 - Critical Regionalism in Indian Architecture - Part 1

Lecture 29 - Critical Regionalism in Indian Architecture - Part 2

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

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- Lecture 30 - Critical Regionalism in Indian Architecture - Part 3
- Lecture 31 - Critical Regionalism in Indian Architecture - Part 4
- Lecture 32 - Critical Regionalism in Indian Architecture - Part 5
- Lecture 33 - Structure: The Works of Mahendra Raj
- Lecture 34 - Point-Blocks and High Rises - Part 1
- Lecture 35 - Point-Blocks and High Rises - Part 2
- Lecture 36 - Search for a new Architecture - Part 1
- Lecture 37 - Search for a new Architecture - Part 2
- Lecture 38 - Search for a new Architecture - Part 3
- Lecture 39 - Search for a new Architecture - Part 4
- Lecture 40 - Search for a new Architecture - Part 5



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

NPTEL Video Course - Architecture - NOC:International Studies in Vernacular Architecture

Subject Co-ordinator - Prof. Ram Sateesh Pasupuleti

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Culture, Identity and Built Environment
- Lecture 2 - Space and Meaning in Balinese Vernacular Architecture
- Lecture 3 - Adobe Construction and Religious Structures
- Lecture 4 - Social System, Beliefs and its Architecture
- Lecture 5 - Anthropology of Shelter-Conclusion
- Lecture 6 - Stone as a Vernacular Resource Material
- Lecture 7 - Earth as Vernacular Resource Material
- Lecture 8 - Bamboo as Vernacular Resource Material
- Lecture 9 - Timber as Vernacular Resource Material
- Lecture 10 - Advanced Material Adaptations: The conclusion
- Lecture 11 - Cultural Geography and Vernacular Architecture
- Lecture 12 - Cultural Geography and Small-scale Features in the Landscape
- Lecture 13 - Acculturation in Architecture
- Lecture 14 - Tradition and Transmission
- Lecture 15 - Transformation in Vernacular Context
- Lecture 16 - Disasters Vulnerability and Traditions
- Lecture 17 - Learning Disaster Mitigation from the Vernacular
- Lecture 18 - The Second Birth: Lessons from Disaster Recovery
- Lecture 19 - Climate Change and Traditions
- Lecture 20 - Yonmenkaigi (Four square table system) Method for Collaborative Knowledge Development

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

NPTEL Video Course - Architecture - NOC:Introduction to Interaction Design

Subject Co-ordinator - Dr. Sonal Atreya

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Introduction to Interaction Design
- Lecture 2 - Components of Interaction Design
- Lecture 3 - Interaction Design Process
- Lecture 4 - Understanding User
- Lecture 5 - Conceptual Design - Part 1
- Lecture 6 - Conceptual Design - Part 2
- Lecture 7 - Role of Cognition
- Lecture 8 - Role of Social Interaction
- Lecture 9 - Designing for Emotional Interaction
- Lecture 10 - Interactive Interfaces
- Lecture 11 - Data Gathering
- Lecture 12 - Data Analysis
- Lecture 13 - Discovering Requirements
- Lecture 14 - User Personas and Scenarios
- Lecture 15 - Design and Prototyping - Part 1
- Lecture 16 - Design and Prototyping - Part 2
- Lecture 17 - Visual Interface Design
- Lecture 18 - Elements of User Interface
- Lecture 19 - Affordances and UI Transformations
- Lecture 20 - Component-Based Design Systems

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

NPTEL Video Course - Architecture - NOC:Understanding and Reducing Ghg Emissions - Focus on Scope 1 and 2 Emi

Subject Co-ordinator - Prof. Avlokita Agrawal

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction, Sustainability, And Sustainable Development

Lecture 2 - Sustainable Development And Sustainable Goals

Lecture 3 - Sustainable Development Goals and Climate Change

Lecture 4 - Climate Risk

Lecture 5 - Impact of Development on Climate Natural Components

Lecture 6 - UNFCCC

Lecture 7 - Kyoto Protocol

Lecture 8 - The Paris Agreement

Lecture 9 - Green House Gases

Lecture 10 - Carbon Footprint and Calculation

Lecture 11 - The GHG Protocol

Lecture 12 - ISO International Standards

Lecture 13 - Identification and Determination of Scope 1,2 and 3 GHG Emissions

Lecture 14 - Identification and Determination of Scope 1,2 and 3 GHG Emissions - Part II

Lecture 15 - Identification and Determination of Scope 1,2 and 3 GHG Emissions - Part III

Lecture 16 - India Specific GHG Programs - I

Lecture 17 - India Specific GHG Programs - II

Lecture 18 - Accounting Methods and Data Collection

Lecture 19 - Tools for Calculation of GHG

Lecture 20 - Understanding the Role of Buildings and Related Emissions

Lecture 21 - Understanding Emissions of Airports

Lecture 22 - Understanding Emissions of University Campuses

Lecture 23 - Understanding Emissions of Fuel Supply Companies

Lecture 24 - Understanding Emissions of IT Companies

Lecture 25 - Understanding Emissions of Real Estate Companies

Lecture 26 - Thermal Comfort in Building

Lecture 27 - Passive Design Measures

Lecture 28 - Advanced Passive Design Measures

Lecture 29 - Natural and Mechanical Ventilation

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- Lecture 30 - Daylighting and Lighting Design
- Lecture 31 - Factors Affecting Material Selection in Building?
- Lecture 32 - Material Selection for Emission Reduction
- Lecture 33 - Reducing Emission from purchased Electricity
- Lecture 34 - Strategies of Renovation and Retrofitting for Emission Reduction
- Lecture 35 - Case studies of Various Efficient Building Design
- Lecture 36 - Calculation of Emissions Reduction from HVAC System
- Lecture 37 - Calculation of Emission Reduction from Fenestration
- Lecture 38 - Calculation of Emission Reduction from Building Envelope
- Lecture 39 - Calculation of Emission Reduction from Source of Energy
- Lecture 40 - Course Summary

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

NPTEL Video Course - Architecture - NOC:Research Methodology for Planning and Architectural Studies

Subject Co-ordinator - Prof. Shubhajit Sadhukhan

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction

Lecture 2 - Types of Research

Lecture 3 - Qualitative vs. Quantitative Research

Lecture 4 - Research Methods vs Research Methodology

Lecture 5 - Issues and Challenges in Planning and Architectural Research

Lecture 6 - Research Process - I

Lecture 7 - Research Process - II

Lecture 8 - Research Process - III

Lecture 9 - Research Writing - I

Lecture 10 - Research Writing - II

Lecture 11 - Basics of Literature Review

Lecture 12 - Bibliometric Analysis

Lecture 13 - Systematic Literature Review

Lecture 14 - Meta Analysis

Lecture 15 - Referencing

Lecture 16 - Types of Data in Research

Lecture 17 - Measurement and Scaling Techniques - I

Lecture 18 - Measurement and Scaling Techniques - II

Lecture 19 - Types of Surveys - I

Lecture 20 - Types of Surveys - II

Lecture 21 - Determining the Sample Size

Lecture 22 - Sampling Techniques - I

Lecture 23 - Sampling Techniques - II

Lecture 24 - Sources of Data

Lecture 25 - Preparation of Survey Questionnaire

Lecture 26 - Methods of Data Collection - I

Lecture 27 - Methods of Data Collection - II

Lecture 28 - Methods of Data Collection - III

Lecture 29 - Ethics in Data Management and Use

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

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- Lecture 30 - Similarity vs. Plagiarism
- Lecture 31 - Processing of Data and Database Management
- Lecture 32 - Interpreting Data
- Lecture 33 - Descriptive Statistics
- Lecture 34 - Representation of Data and Inferences - I
- Lecture 35 - Representation of Data and Inferences - II
- Lecture 36 - Hypothesis Testing
- Lecture 37 - Parametric Tests
- Lecture 38 - Non-parametric Tests
- Lecture 39 - Quantitative Research Approach
- Lecture 40 - Quantitative Research - Case Study - I
- Lecture 41 - Quantitative Research - Case Study - II
- Lecture 42 - Quantitative Research - Case Study - III
- Lecture 43 - Quantitative Research - Case Study - IV
- Lecture 44 - Quantitative Research - Case Study - V
- Lecture 45 - Qualitative Research Approach
- Lecture 46 - Qualitative Research - Case Study - I
- Lecture 47 - Qualitative Research - Case Study - II
- Lecture 48 - Qualitative Research - Case Study - III
- Lecture 49 - Qualitative Research - Case Study - IV
- Lecture 50 - Qualitative Research - Case Study - V
- Lecture 51 - Mixed Method Research Approach
- Lecture 52 - Mixed Method Research Approach - Case Study
- Lecture 53 - Spatial Methods in Planning Research
- Lecture 54 - Spatial Methods in Planning Research - Case Study
- Lecture 55 - Research Methods for Behavioral Studies - The Basics
- Lecture 56 - Simulation Based Studies in Planning and Architecture
- Lecture 57 - Handling Big Data Research - The Basics
- Lecture 58 - Role of AI in Architecture and Planning Studies - The Basics
- Lecture 59 - Programming Language and Software for Research in Planning and Architecture
- Lecture 60 - Emerging Research Potential in Planning and Architecture