

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

NPTEL Video Course - Civil Engineering - NOC:Glass in Buildings: Design and Application

Subject Co-ordinator - Prof. K.N. Satyanarayana

Co-ordinating Institute - IIT - Madras

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

- Lecture 1 - Introduction
- Lecture 2 - Float Process for Manufacturing Glass - Part 1
- Lecture 3 - Float Process for Manufacturing Glass - Part 2
- Lecture 4 - Coatings on Glass - Need and Types - Part 2
- Lecture 5 - Coatings on Glass - Need and Types - Part 2
- Lecture 6 - Glass Design for Safety, Sustainability and Aesthetic - Part 1
- Lecture 7 - Glass Design for Safety, Sustainability and Aesthetic - Part 2
- Lecture 8 - Structural Control and Design for Energy Efficiency - Part I
- Lecture 9 - Structural Control and Design for Energy Efficiency - Part II
- Lecture 10 - Structural Control and Design for Energy Efficiency - Part III
- Lecture 11 - Structural Control and Design for Energy Efficiency - Part IV
- Lecture 12 - Structural Control and Design for Energy Efficiency - Part V
- Lecture 13 - Design Tools for Glass Selection - Part I
- Lecture 14 - Design Tools for Glass Selection - Part II
- Lecture 15 - Modeling the Building Envelope - Part I
- Lecture 16 - Modeling the Building Envelope - Part II
- Lecture 17 - Modeling the Building Envelope - Part III
- Lecture 18 - Innovations in Glass Future Facades - Part I
- Lecture 19 - Innovations in Glass Future Facades - Part II
- Lecture 20 - Standards Related to Glass
- Lecture 21 - Introduction to Useful Daylighting in Buildings
- Lecture 22 - Fundamentals of Daylighting - Part I
- Lecture 23 - Fundamentals of Daylighting - Part II
- Lecture 24 - Daylighting Strategies - Techniques - Part I - Video 1
- Lecture 25 - Daylighting Strategies - Techniques - Part I - Video 2
- Lecture 26 - Daylighting Strategies - Techniques - Part II - Video 1
- Lecture 27 - Daylighting Strategies - Techniques - Part II - Video 2
- Lecture 28 - Daylighting Strategies - Techniques - Part II - Video 3
- Lecture 29 - ECBC and Green Building Requirements

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- Lecture 30 - Introduction to Daylight Simulation
- Lecture 31 - Daylighting Controls - Part I
- Lecture 32 - Daylighting Controls - Part II
- Lecture 33 - Achieving Acoustics Through Glass
- Lecture 34 - Glass Processing Overview - Part I
- Lecture 35 - Glass Processing Overview - Part II
- Lecture 36 - Interior Glazing Program - Part I
- Lecture 37 - Interior Glazing Program - Part II
- Lecture 38 - Interior Glazing Applications-Shower Enclosure - Part I
- Lecture 39 - Interior Glazing Applications-Shower Enclosure - Part II
- Lecture 40 - Interior Glazing Applications-Shower Enclosure - Part III
- Lecture 41 - Interior Glazing Applications-Shower Enclosure - Part IV
- Lecture 42 - Glass in Passive Fire Protection - Part I
- Lecture 43 - Glass in Passive Fire Protection - Part II
- Lecture 44 - Glass in Passive Fire Protection - Part III
- Lecture 45 - Glazing Choices for Project Segment - Part I
- Lecture 46 - Glazing Choices for Project Segment - Part II
- Lecture 47 - National Building Code 2016 - Part I
- Lecture 48 - National Building Code 2016 - Part II
- Lecture 49 - National Building Code 2016 - Part III
- Lecture 50 - National Building Code 2016 - Part IV
- Lecture 51 - Facade Fundamentals - Part I
- Lecture 52 - Facade Fundamentals - Part II
- Lecture 53 - Facade Fundamentals - Part III
- Lecture 54 - Facade Fundamentals - Part IV
- Lecture 55 - Glass Application on Facades - Part I
- Lecture 56 - Glass Application on Facades - Part II
- Lecture 57 - Glass Application on Facades - Part III
- Lecture 58 - Energy Efficiency Facade System
- Lecture 59 - Structural Design of Facades - Part I
- Lecture 60 - Structural Design of Facades - Part II
- Lecture 61 - Silicone for Structural Glazing - Part - I
- Lecture 62 - Silicone for Structural Glazing - Part - II
- Lecture 63 - Silicone for Structural Glazing - Part - III
- Lecture 64 - Facade Factory Operations - Part I
- Lecture 65 - Facade Factory Operations - Part II
- Lecture 66 - Performance Testing for Facades - Part I
- Lecture 67 - Performance Testing for Facades - Part II
- Lecture 68 - The Role of Windows in Building Design - Part I

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- Lecture 69 - The Role of Windows in Building Design - Part II
- Lecture 70 - Standards Related to Glass II
- Lecture 71 - FAQs about usage of Glass in Buildings
- Lecture 72 - Case Study of a Different Concept of Facade
- Lecture 73 - Case Studies-Envelope Design and Its Impact - Part I
- Lecture 74 - Case Studies-Envelope Design and Its Impact - Part II
- Lecture 75 - A Case Study of Building Envelope in the context of Environmentally Sustainable Design - Part I
- Lecture 76 - A Case Study of Building Envelope in the context of Environmentally Sustainable Design - Part II
- Lecture 77 - Sustainable Building and Facades - Part I
- Lecture 78 - Sustainable Building and Facades - Part II
- Lecture 79 - Building Envelope Design for Sustainable Buildings
- Lecture 80 - Building Envelope Design
- Lecture 81 - Case Study for Building Envelop Design - Part I
- Lecture 82 - Case Study for Building Envelop Design - Part II
- Lecture 83 - Case study-Commercial Buildings - Part I
- Lecture 84 - Case study-Commercial Buildings - Part II
- Lecture 85 - Case study-Commercial Buildings - Part III
- Lecture 86 - Case Study-The Untold Truth of the Unbuilt - Part I
- Lecture 87 - Case Study-The Untold Truth of the Unbuilt - Part II