

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

NPTEL Video Course - Engineering Design - NOC:Understanding Design

Subject Co-ordinator - Dr. B.K. Chakravarthy

Co-ordinating Institute - IIT - Bombay

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

- Lecture 1 - An Introduction to Design
- Lecture 2 - The many notions of design
- Lecture 3 - Design as a process and a product
- Lecture 4 - The evolution of design
- Lecture 5 - Design engages with many disciplines
- Lecture 6 - Design is concerned with the user
- Lecture 7 - Good design, bad design
- Lecture 8 - Users and Contexts
- Lecture 9 - Multiple users, differing contexts
- Lecture 10 - Understanding user experience
- Lecture 11 - Design for a meaningful impact
- Lecture 12 - Design and Society
- Lecture 13 - Community and Collaboration
- Lecture 14 - Understanding Contexts
- Lecture 15 - Knowledge and Access
- Lecture 16 - Meeting Needs
- Lecture 17 - Function, Context and Consequences
- Lecture 18 - Design and Sustainability
- Lecture 19 - The cost of looking the other way
- Lecture 20 - Sustainability practices in daily life
- Lecture 21 - The perspective of engineering
- Lecture 22 - Understanding embodied energy
- Lecture 23 - The user's role in sustainability
- Lecture 24 - Framing the world's future
- Lecture 25 - Design and industry
- Lecture 26 - Understanding varied user needs
- Lecture 27 - Success through new materials and manufacturing
- Lecture 28 - Pushing the boundaries of mass production
- Lecture 29 - A Classic chair for all times

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- Lecture 30 - Breaking familiar assumptions
- Lecture 31 - Design and Collaboration
- Lecture 32 - Team work
- Lecture 33 - Collaborating with unlikely partners
- Lecture 34 - Principles of collaboration
- Lecture 35 - Design thinking
- Lecture 36 - Feedback and assessment
- Lecture 37 - Innovation by Design
- Lecture 38 - Facilitating the reach of a traditional craft
- Lecture 39 - Pitfalls of innovation
- Lecture 40 - The seven concerns of innovation
- Lecture 41 - From a concern to a palki
- Lecture 42 - A little design goes a long way