

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

NPTEL Video Course - Engineering Design - NOC:Innovation by Design

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

Co-ordinating Institute - IIT - Bombay

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

Lecture 1 - The Seven Concerns
Lecture 2 - Design Thinking and Collaboration
Lecture 3 - Challenges to Innovation
Lecture 4 - Understanding Users
Lecture 5 - Arriving at Design Insights
Lecture 6 - Prototyping for User Feedback
Lecture 7 - 1st C The Cause
Lecture 8 - Crossing the First Pitfall
Lecture 9 - Trial and Error
Lecture 10 - User Feedback for Development
Lecture 11 - New users, new needs to meet
Lecture 12 - Knowing the Context
Lecture 13 - 2nd C The Context
Lecture 14 - The Basic Need
Lecture 15 - Ingenious Attempts
Lecture 16 - Further Insights
Lecture 17 - The Working Rig
Lecture 18 - Concepts generation
Lecture 19 - Experiencing the Product
Lecture 20 - Refinements
Lecture 21 - 3rd C - The Comprehension
Lecture 22 - Understanding Constraints
Lecture 23 - Positioning the Product
Lecture 24 - Exploring Possibilities
Lecture 25 - More Experiments
Lecture 26 - Understanding the Technology
Lecture 27 - At the 2nd Valley of Death
Lecture 28 - Finishing Touches
Lecture 29 - The Check

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- Lecture 30 - The Cause
- Lecture 31 - The Product, the Users and the Context
- Lecture 32 - The Prototyping
- Lecture 33 - User needs
- Lecture 34 - The Crucial Step Missed
- Lecture 35 - 5th C The Conception
- Lecture 36 - Synchronic Studies
- Lecture 37 - One product, many problems
- Lecture 38 - Concept Clusters
- Lecture 39 - From idea to product
- Lecture 40 - Prototyping
- Lecture 41 - Materials and Technologies
- Lecture 42 - Collaborative Efforts
- Lecture 43 - 6th C - The Crafting
- Lecture 44 - Recap
- Lecture 45 - The Manufacturing Challenge
- Lecture 46 - The User Feedback
- Lecture 47 - The Iterative Process
- Lecture 48 - 7th C - The Connection
- Lecture 49 - The Seed for Innovation
- Lecture 50 - Pinnacle for Innovation
- Lecture 51 - The Innovation Timeline
- Lecture 52 - The Innovation Champions
- Lecture 53 - The Innovation Domains
- Lecture 54 - The Innovation Templates
- Lecture 55 - The Serial Innovation