

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

NPTEL Video Course - Computer Science and Engineering - NOC:Design and Implementation of Human-Computer Inter

Subject Co-ordinator - Prof. Samit Bhattacharya

Co-ordinating Institute - IIT - Guwahati

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

- Lecture 1 - Interactive Systems
- Lecture 2 - Introduction to Usability
- Lecture 3 - Engineering for Usability
- Lecture 4 - Interactive System Life Cycle
- Lecture 5 - Usability Requirements
- Lecture 6 - Contextual Inquiry
- Lecture 7 - Functional Requirements Specification
- Lecture 8 - Case Study on SRS
- Lecture 9 - Case Study (Usability Requirement Gathering)
- Lecture 10 - Case Study (Other Requirement Gathering)
- Lecture 11 - Case Study - Non-Functional Requirements to SRS
- Lecture 12 - Introduction to Interface Design
- Lecture 13 - Shneiderman's Golden Rules
- Lecture 14 - Norman's Principles
- Lecture 15 - Prototyping
- Lecture 16 - Prototype Evaluation - I
- Lecture 17 - Prototype Evaluation - II
- Lecture 18 - Case Study on Prototype Evaluation - I
- Lecture 19 - Case Study on Prototype Evaluation - II
- Lecture 20 - Basics of System Design
- Lecture 21 - Data Flow Diagram
- Lecture 22 - Entity Relationship Diagram
- Lecture 23 - Case Study on DFD and ER
- Lecture 24 - Introduction to Object Oriented Design
- Lecture 25 - UML
- Lecture 26 - UML Case Study
- Lecture 27 - Coding Basics
- Lecture 28 - Code Testing Basics
- Lecture 29 - Review-Based Code Testing

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- Lecture 30 - Code Review Case Study
- Lecture 31 - Black-Box Testing - I
- Lecture 32 - Black-Box Testing - II
- Lecture 33 - Black-Box Testing Case Study
- Lecture 34 - White-Box Testing
- Lecture 35 - White-Box Testing Case Study
- Lecture 36 - System Integration and Testing
- Lecture 37 - Empirical Usability Evaluation - I
- Lecture 38 - Empirical Usability Evaluation - II
- Lecture 39 - Experiment Design - I
- Lecture 40 - Experiment Design - II
- Lecture 41 - Empirical Data Analysis
- Lecture 42 - Project Management
- Lecture 43 - Note on Agile Development
- Lecture 44 - Concluding Remarks