

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

NPTEL Video Course - Computer Science and Engineering - NOC:Object-Oriented Analysis and Design

Subject Co-ordinator - Prof. Partha Pratim Das

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Challenges in Software Engineering
- Lecture 2 - Complexity of Software
- Lecture 3 - Complexity of Software (Continued...)
- Lecture 4 - Structure and Attributes of a Complex System
- Lecture 5 - Structure and Attributes of a Complex System (Continued...)
- Lecture 6 - Object-Oriented Analysis and Design
- Lecture 7 - Bringing Order to Chaos
- Lecture 8 - Bringing Order to Chaos (Continued...)
- Lecture 9 - Evolution of Object Models - Programming Languages and Paradigms
- Lecture 10 - Foundations of the Object Model - OOA, OOD and OOP
- Lecture 11 - Foundations of the Object Model - OOA, OOD and OOP (Continued...)
- Lecture 12 - Elements of Object Model (Major)
- Lecture 13 - Elements of Object Model (Major)
- Lecture 14 - Elements of the Object Model (Major)
- Lecture 15 - Elements of the Object Model (Major)
- Lecture 16 - Elements of the Object Model (Minor)
- Lecture 17 - Elements of the Object Model (Minor)
- Lecture 18 - Nature of an object
- Lecture 19 - Nature of an object
- Lecture 20 - Relationships among objects
- Lecture 21 - Relationships among objects (Continued...)
- Lecture 22 - Nature of a class
- Lecture 23 - Nature of a class
- Lecture 24 - Relationships among classes
- Lecture 25 - Relationships among classes (Continued...)
- Lecture 26 - How to Build Quality Classes and Objects
- Lecture 27 - Tutorial
- Lecture 28 - How to Identify Classes and Objects ?
- Lecture 29 - Identification of Classes, Objects and Relationship in LMS

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- Lecture 30 - Identification of Classes, Objects and Relationship in LMS (Continued...)
- Lecture 31 - Identification of Classes, Objects and Relationship in LMS (Continued...)
- Lecture 32 - Identification of Classes, Objects and Relationship in LMS (Continued...)
- Lecture 33 - Overview of UML
- Lecture 34 - SDLC Phases and UML Diagrams
- Lecture 35 - Use-Case Diagrams - Part I
- Lecture 36 - Use-Case Diagrams - Part II
- Lecture 37 - Use-Case Diagrams - Part III
- Lecture 38 - Class Diagrams - Part 1 (Class, Property and Operation)
- Lecture 39 - Class Diagrams - Part 2 (Association, Weak and Strong Aggregation)
- Lecture 40 - Class Diagrams - Part 3 (Generalization, Dependency and Constraints)
- Lecture 41 - Sequence Diagrams - Part 1
- Lecture 42 - Sequence Diagrams - Part 2
- Lecture 43 - Communication Diagram
- Lecture 44 - Activity Diagrams - Part II
- Lecture 45 - Activity Diagrams - Part II
- Lecture 46 - Activity Diagrams - Part III
- Lecture 47 - Interaction Overview Diagram
- Lecture 48 - State Machine Diagrams - Part I
- Lecture 49 - State Machine Diagrams - Part II
- Lecture 50 - State Machine Diagrams - Part III
- Lecture 51 - Various UML Diagrams
- Lecture 52 - Closing Comments