

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

NPTEL Video Course - Computer Science and Engineering - NOC:Programming and Data structures (PDS)

Subject Co-ordinator - Dr. N S. Narayanaswamy

Co-ordinating Institute - IIT - Madras

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

- Lecture 1 - A Simple C Program for Sorting
- Lecture 2 - Review of Structures, Pointers, and Functions
- Lecture 3 - Recursion
- Lecture 4 - Abstract Data Types-Data + Methods
- Lecture 5 - List Data Type
- Lecture 6 - Access and update methods
- Lecture 7 - Doubly Linked List Data Type
- Lecture 8 - Doubly Linked Lists and Arrays
- Lecture 9 - ADT Stacks
- Lecture 10 - Checking of Balanced Parenthesis
- Lecture 11 - Infix and Postfix expressions and Expression evaluation
- Lecture 12 - Queue ADT Definition and Implementation
- Lecture 13 - Merging using Queue ADT and Queue types
- Lecture 14 - Tree ADT and Traversals
- Lecture 15 - Binary Tree ADT and traversals
- Lecture 16 - Tree Applications
- Lecture 17 - Binary Search Trees
- Lecture 18 - Heaps

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