

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

NPTEL Video Course - Computer Science and Engineering - Computer Algorithms - 2

Subject Co-ordinator - Prof. Shashank K. Mehta

Co-ordinating Institute - IIT - Kanpur

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

Lecture 1 - Graph_Basics
Lecture 2 - Breadth_First_Search
Lecture 3 - Dijkstra_Algo
Lecture 4 - All Pair Shortest Path
Lecture 5 - Matriods
Lecture 6 - Minimum Spanning Tree
Lecture 7 - Edmond's Matching Algo I
Lecture 8 - Edmond's Matching Algo II
Lecture 9 - Flow Networks
Lecture 10 - Ford Fulkerson Method
Lecture 11 - Edmond Karp Algo
Lecture 12 - Matrix Inversion
Lecture 13 - Matrix Decomposition
Lecture 14 - Knuth Morris Pratt Algo
Lecture 15 - Rabin Karp Algo
Lecture 16 - NFA Simulation
Lecture 17 - Integer-Polynomial Ops-I
Lecture 18 - Integer-Polynomial Ops-II
Lecture 19 - Integer-Polynomial Ops-III
Lecture 20 - Chinese Remainder-I
Lecture 21 - Chinese Remainder-II
Lecture 22 - Chinese Remainder-III
Lecture 23 - Discrete Fourier Transform-I
Lecture 24 - Discrete Fourier Transform-II
Lecture 25 - Discrete Fourier Transform-III
Lecture 26 - Schonhage Strassen Algo
Lecture 27 - Linear Programming-I
Lecture 28 - Linear Programming-II
Lecture 29 - Geometry-I

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- Lecture 30 - Geometry-II
- Lecture 31 - Geometry-III
- Lecture 32 - Approximation Algo-I
- Lecture 33 - Approximation Algo-II
- Lecture 34 - Approximation Algo-III
- Lecture 35 - General