

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

NPTEL Video Course - Special Lecture Series - ACM Summer School on Graph Theory and Graph Algorithms

Subject Co-ordinator - Dr. N S. Narayanaswamy

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - Introduction to Graph Theory - Part 1
Lecture 2 - Introduction to Graph Theory - Part 2
Lecture 3 - Introduction to Graph Algorithms - Part 1
Lecture 4 - Introduction to Graph Algorithms - Part 2
Lecture 5 - Havel Hakimi Theorem - Part 1
Lecture 6 - Havel Hakimi Theorem - Part 2
Lecture 7 - Havel Hakimi Theorem - Part 3
Lecture 8 - Graph Traversals - Part 1
Lecture 9 - Graph Traversals - Part 2
Lecture 10 - Topological Sort and Mengers Theorem - Part 1
Lecture 11 - Topological Sort and Mengers Theorem - Part 2
Lecture 12 - Topological Sort and Mengers Theorem - Part 3
Lecture 13 - Hamiltonian Graphs - Part 1
Lecture 14 - Hamiltonian Graphs - Part 2
Lecture 15 - Shortest path Algorithms 1 - Part 1
Lecture 16 - Shortest path Algorithms 1 - Part 2
Lecture 17 - Shortest path Algorithms 1 - Part 3
Lecture 18 - Shortest path Algorithms 1 - Part 4
Lecture 19 - Matching in Graphs - Part 1
Lecture 20 - Matching in Graphs - Part 2
Lecture 21 - Some Graph Theoretic Puzzles - Part 1
Lecture 22 - Some Graph Theoretic Puzzles - Part 2
Lecture 23 - Network Flow Algorithms - Part 1
Lecture 24 - Network Flow Algorithms - Part 2
Lecture 25 - Network Flow Algorithms - Part 3
Lecture 26 - Network Flow Algorithms - Part 4
Lecture 27 - Network Flow Algorithms - Part 5
Lecture 28 - Network Flow Algorithms - Part 6
Lecture 29 - Network Flows - Part 1

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- Lecture 30 - Network Flows - Part 2
- Lecture 31 - Network Flows - Part 3
- Lecture 32 - Network Flows - Part 4
- Lecture 33 - Turanâ s and Madrurâ s theorem - Part 1
- Lecture 34 - Turanâ s and Madrurâ s theorem - Part 2
- Lecture 35 - NP Computations - Part 1
- Lecture 36 - NP Computations - Part 2
- Lecture 37 - Spectral Graph Theory-I - Part 1
- Lecture 38 - Spectral Graph Theory-I - Part 2
- Lecture 39 - Spectral Graph Theory-I - Part 3
- Lecture 40 - NP Computations II - Part 1
- Lecture 41 - NP Computations II - Part 2
- Lecture 42 - Graph Coloring - Part 1
- Lecture 43 - Graph Coloring - Part 2
- Lecture 44 - Spectral Graph Theory-II - Part 1
- Lecture 45 - Spectral Graph Theory-II - Part 2
- Lecture 46 - NP Computations Reductions - Part 1
- Lecture 47 - NP Computations Reductions - Part 2
- Lecture 48 - NP Computations Reductions - Part 3
- Lecture 49 - Spectral Graph Theory-III - Part 1
- Lecture 50 - Planar Graphs - Part 1
- Lecture 51 - Planar Graphs - Part 2
- Lecture 52 - NP Computations and Approximation Algorithms - Part 1
- Lecture 53 - NP Computations and Approximation Algorithms - Part 2
- Lecture 54 - Spectral Graph Theory-IV - Part 1
- Lecture 55 - Spectral Graph Theory-IV - Part 2
- Lecture 56 - Approximation Algorithms I - Part 1
- Lecture 57 - Approximation Algorithms I - Part 2
- Lecture 58 - Social Network Analysis - Part 1
- Lecture 59 - Social Network Analysis - Part 2
- Lecture 60 - Spectral Graph Theory-V - Part 1
- Lecture 61 - Spectral Graph Theory-V - Part 2
- Lecture 62 - Approximation Algorithms II - Part 1
- Lecture 63 - Approximation Algorithms II - Part 2
- Lecture 64 - Spectral Graph Theory-VI - Part 1
- Lecture 65 - Spectral Graph Theory-VI - Part 2
- Lecture 66 - RSA Crypto - Part 1
- Lecture 67 - RSA Crypto - Part 2
- Lecture 68 - Approximation Algorithms III - Part 1

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- Lecture 69 - Approximation Algorithms III - Part 2
- Lecture 70 - Spectral Graph Theory-VII - Part 1
- Lecture 71 - Spectral Graph Theory-VII - Part 2
- Lecture 72 - Exact Exponential Algorithms - Part 1
- Lecture 73 - Exact Exponential Algorithms - Part 2
- Lecture 74 - Interconnection Networks - Part 1
- Lecture 75 - Interconnection Networks - Part 2
- Lecture 76 - Kernelization - Part 1
- Lecture 77 - Kernelization - Part 2
- Lecture 78 - Kernelization - Part 3
- Lecture 79 - Introduction to Parameterized Algorithms - Part 1
- Lecture 80 - Introduction to Parameterized Algorithms - Part 2
- Lecture 81 - Chordal Graphs - Part 1
- Lecture 82 - Chordal Graphs - Part 2
- Lecture 83 - Branching - Part 1
- Lecture 84 - Branching - Part 2
- Lecture 85 - Interval Graphs and Split Graphs - Part 1
- Lecture 86 - Interval Graphs and Split Graphs - Part 2
- Lecture 87 - Vertex cover linear vertex kernel using LP - Part 1
- Lecture 88 - Vertex cover linear vertex kernel using LP - Part 2
- Lecture 89 - Comparability Graphs - Part 1
- Lecture 90 - Comparability Graphs - Part 2
- Lecture 91 - Introduction to Randomized Algorithms and Karger's Min-cut Algorithm - Part 1
- Lecture 92 - Introduction to Randomized Algorithms and Karger's Min-cut Algorithm - Part 2
- Lecture 93 - Probability Methods to Ramsey Number - Part 2
- Lecture 94 - Probability Methods to Ramsey Number - Part 2
- Lecture 95 - Color Coding - Part 1
- Lecture 96 - Color Coding - Part 2
- Lecture 97 - Fast Min-cut Algorithm and its analysis - Part 1
- Lecture 98 - Fast Min-cut Algorithm and its analysis - Part 2
- Lecture 99 - Box Representations of Graphs - Part 1
- Lecture 100 - Box Representations of Graphs - Part 2
- Lecture 101 - Hardness for FPT - Part 1
- Lecture 102 - Hardness for FPT - Part 2
- Lecture 103 - Application of min-cut Algorithm

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

NPTEL Video Course - Special Lecture Series - ACM Summer School in Data Science

Subject Co-ordinator - Prof. Murugaiyan Amirthalingam

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - Probability - Part 1
Lecture 2 - Probability - Part 2
Lecture 3 - Probability - Part 3
Lecture 4 - Math Foundation - Part 1
Lecture 5 - Math Foundation - Part 2
Lecture 6 - Math Foundation - Part 3
Lecture 7 - Math Foundation 2 - Part 1
Lecture 8 - Math Foundation 2 - Part 2
Lecture 9 - Math Foundation 2 - Part 3
Lecture 10 - Introduction to probability for Data science - Part 1
Lecture 11 - Introduction to probability for Data science - Part 2
Lecture 12 - Introduction to probability for Data science - Part 3
Lecture 13 - Introduction to Statistics for Data science - Part 1
Lecture 14 - Introduction to Statistics for Data science - Part 2
Lecture 15 - Introduction to Statistics for Data science - Part 3
Lecture 16 - Clustering I - Part 1
Lecture 17 - Clustering I - Part 2
Lecture 18 - Clustering I - Part 3
Lecture 19 - Clustering II - Part 1
Lecture 20 - Clustering II - Part 2
Lecture 21 - Clustering II - Part 3
Lecture 22 - Dimensionality Reduction - Part 1
Lecture 23 - Dimensionality Reduction - Part 2
Lecture 24 - Dimensionality Reduction - Part 3
Lecture 25 - Supervised Learning I - Part 1
Lecture 26 - Supervised Learning I - Part 2
Lecture 27 - Supervised Learning I - Part 3
Lecture 28 - Supervised Learning II - Part 1
Lecture 29 - Supervised Learning II - Part 2

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- Lecture 30 - Supervised Learning II - Part 3
- Lecture 31 - Supervised Learning III - Part 1
- Lecture 32 - Supervised Learning III - Part 2
- Lecture 33 - Supervised Learning III - Part 3
- Lecture 34 - Linear Models For Classification - Part 1
- Lecture 35 - Linear Models For Classification - Part 2
- Lecture 36 - Linear Models For Classification - Part 3
- Lecture 37 - Tree Based Methods - Part 1
- Lecture 38 - Tree Based Methods - Part 2
- Lecture 39 - SVMs - Part 1
- Lecture 40 - SVMs - Part 2
- Lecture 41 - SVMs - Part 3
- Lecture 42 - Ensemble Methods - Part 1
- Lecture 43 - Ensemble Methods - Part 2
- Lecture 44 - Ensemble Methods - Part 3
- Lecture 45 - Learning Theory - Part 1
- Lecture 46 - Learning Theory - Part 2
- Lecture 47 - Introduction to Probabilistic Modeling - Part 1
- Lecture 48 - Introduction to Probabilistic Modeling - Part 2
- Lecture 49 - Introduction to Probabilistic Modeling - Part 3
- Lecture 50 - Probabilistic/Bayesian Models for Regression - Part 1
- Lecture 51 - Probabilistic/Bayesian Models for Regression - Part 2
- Lecture 52 - Probabilistic/Bayesian Models for Regression - Part 3
- Lecture 53 - Probabilistic Classification, Latent Variable Models - Part 1
- Lecture 54 - Probabilistic Classification, Latent Variable Models - Part 2
- Lecture 55 - Probabilistic Classification, Latent Variable Models - Part 3
- Lecture 56 - Deep Learning I - Part 1
- Lecture 57 - Deep Learning I - Part 2
- Lecture 58 - Deep Learning I - Part 3
- Lecture 59 - Deep Learning II - Part 1
- Lecture 60 - Deep Learning II - Part 2
- Lecture 61 - Deep Learning II - Part 3
- Lecture 62 - Deep Learning III - Part 1
- Lecture 63 - Deep Learning III - Part 2
- Lecture 64 - Deep Learning III - Part 3
- Lecture 65 - Reinforcement learning I - Part 1
- Lecture 66 - Reinforcement learning I - Part 2
- Lecture 67 - Reinforcement learning II - Part 1
- Lecture 68 - Reinforcement learning II - Part 2

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- Lecture 69 - Map-Reduce and Spark - Part 1
- Lecture 70 - Map-Reduce and Spark - Part 2
- Lecture 71 - Map-Reduce and Spark - Part 3
- Lecture 72 - Scalable Machine Learning - Part 1
- Lecture 73 - Scalable Machine Learning - Part 2

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

NPTEL Video Course - Special Lecture Series - Topics in Theoretical Computer Science

Subject Co-ordinator - Dr. N S. Narayanaswamy

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - Finite Automata

Lecture 2 - TMs, Halting Problems

Lecture 3 - Concurrency

Lecture 4 - Blockchain and Bitcoin

Lecture 5 - Complexity Theory

Lecture 6 - Lower Bounds, Dealing with NP hardness

Lecture 7 - Online and streaming algorithms

Lecture 8 - Zero Knowledge Proofs

Lecture 9 - Verification, Games

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

NPTEL Video Course - Special Lecture Series - Researching Anglo-Indians in India and the Diaspora

Subject Co-ordinator - Prof. Merin Simi Raj

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - Keynote Address

Lecture 2 - A Synopsis of 'Two Cheers'

Lecture 3 - Higher Education Among Anglo-Indians

Lecture 4 - Perception of trust, risk and intimacy among elderly Anglo-Indians living in Tollygunge home in K

Lecture 5 - The Daunting Spirit and the Empowering Voice of Eunice De Souza

Lecture 6 - Origin Myth and Anglo-Indian Identity

Lecture 7 - Keynote Address

Lecture 8 - Shame and Guilt in Alison McQueens The Secret Children

Lecture 9 - Re-visiting McCluskieganj

Lecture 10 - The Imaging of the Anglo-Indian Woman in Colonialist Literature

Lecture 11 - Expostulating Celluloid Stereotypes

Lecture 12 - Chutney Mary

Lecture 13 - In Search of a New Home

Lecture 14 - (Re)discovering Anglo-Indians of Visakhapatnam - An Overview

Lecture 15 - Genealogy of Sporting Culture through a Study of Anglo-Indian Institutions of Asansol

Lecture 16 - Keynote Address

Lecture 17 - Crowdsourcing as a Research Tool

Lecture 18 - Researching Community, Writing Cultures

Lecture 19 - Revisiting the Anglo-Indian Community

Lecture 20 - Minoritizing English

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

NPTEL Video Course - Special Lecture Series - Dravidian Temple Architecture and Construction Techniques

Subject Co-ordinator - Unknown

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - Introduction to Dravidian Temple Architecture and Construction Techniques - Part 1
Lecture 2 - Introduction to Dravidian Temple Architecture and Construction Techniques - Part 2
Lecture 3 - Introduction to Dravidian Temple Architecture and Construction Techniques - Part 3
Lecture 4 - Introduction to Dravidian Temple Architecture and Construction Techniques - Part 4
Lecture 5 - Introduction to Dravidian Temple Architecture and Construction Techniques - Part 5
Lecture 6 - Naal Kurithal - Part 1
Lecture 7 - Naal Kurithal - Part 2
Lecture 8 - Naal Kurithal - Part 3
Lecture 9 - Naal Kurithal - Part 4
Lecture 10 - Naal Kurithal - Part 5
Lecture 11 - Naal Kurithal - Part 6
Lecture 12 - Ayadhi Calculations - Part 1
Lecture 13 - Ayadhi Calculations - Part 2
Lecture 14 - Ayadhi Calculations - Part 3
Lecture 15 - Ayadhi Calculations - Part 4
Lecture 16 - Ayadhi Calculations - Part 5
Lecture 17 - Ayadhi Calculations - Part 6
Lecture 18 - Ayadhi Calculations - Part 7
Lecture 19 - Ayadhi Calculations - Part 8
Lecture 20 - Ayadhi Calculations - Part 9
Lecture 21 - Ayadhi Calculations - Part 10
Lecture 22 - Ayadhi Calculations - Part 11
Lecture 23 - Alavukal - Part 1
Lecture 24 - Alavukal - Part 2
Lecture 25 - Alavukal - Part 3
Lecture 26 - Alavukal - Part 4
Lecture 27 - Alavukal - Part 5
Lecture 28 - Alavukal - Part 6
Lecture 29 - Dhisai Aridhal - Part 1

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- Lecture 30 - Dhisai Aridhal - Part 2
- Lecture 31 - Dhisai Aridhal - Part 3
- Lecture 32 - Dhisai Aridhal - Part 4
- Lecture 33 - Dhisai Aridhal - Part 5

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NPTEL Video Course - Special Lecture Series - ACM Summer School in Data Science (Bangalore)

Subject Co-ordinator - Unknown

Co-ordinating Institute - IIT - Madras

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

- Lecture 1 - Web Browser Security
- Lecture 2 - Trusted Computing
- Lecture 3 - Buffer Overflow Vulnerability and Protection Techneques
- Lecture 4 - Secure Software Engineering
- Lecture 5 - Challenges and Opportunities with Cloud Security
- Lecture 6 - Cognitive Security with Watson
- Lecture 7 - IBM MaaS360 Architecture Overview
- Lecture 8 - Unified Risk Management Approach
- Lecture 9 - Data Encryption and Post Quantum Cryptography (PQC)
- Lecture 10 - Network Security - I
- Lecture 11 - Network Security - II
- Lecture 12 - Network Security - III
- Lecture 13 - Network Security - IV
- Lecture 14 - Network Security - V
- Lecture 15 - Network Security - VI
- Lecture 16 - Security
- Lecture 17 - Security
- Lecture 18 - Security
- Lecture 19 - Security Gap Analysis - I
- Lecture 20 - Security Gap Analysis - II

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