

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

NPTEL Video Course - Management - NOC:Decision Modeling

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Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Decision Analysis
- Lecture 2 - Payoff Matrix
- Lecture 3 - Decision Making Under Risk
- Lecture 4 - Value of Information
- Lecture 5 - Probability Concepts
- Lecture 6 - Bayes Theorem
- Lecture 7 - Decision Tree
- Lecture 8 - Decision Problem with Experimentation
- Lecture 9 - Decision Problem with Experimentation (Continued...)
- Lecture 10 - Decision Problem Example
- Lecture 11 - Introduction to Waiting Lines
- Lecture 12 - Poisson and Exponential Distribution
- Lecture 13 - Birth and Death Process
- Lecture 14 - M/M/1 Queuing Model
- Lecture 15 - Queuing Examples
- Lecture 16 - Queuing Examples (Continued...)
- Lecture 17 - M/D/1 and M/M/s Queuing Models
- Lecture 18 - M/M/s and M/M/infinity Models
- Lecture 19 - Finite Queue Space and Queuing Cost Models
- Lecture 20 - Queuing Cost, Priority and Networking Models
- Lecture 21 - Introduction to Simulation
- Lecture 22 - Discrete-Event and Monte-Carlo Simulation
- Lecture 23 - Pseudo random Numbers
- Lecture 24 - Simulation Examples
- Lecture 25 - Generation of Random Variates
- Lecture 26 - Simulation Examples (Continued...)
- Lecture 27 - Monte-Carlo Simulation and Output Analysis
- Lecture 28 - Variance Reduction and Simulation Software
- Lecture 29 - Continuous Simulation and System Dynamics

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- Lecture 30 - System Dynamics Example
- Lecture 31 - Introduction to Graph Theory
- Lecture 32 - Introduction (Continued...)
- Lecture 33 - Operations on a Graph, Tree and Spanning Tree
- Lecture 34 - Minimal Spanning Tree
- Lecture 35 - Cutsets
- Lecture 36 - Fundamental Circuits and Network Simplex Method
- Lecture 37 - Maximal Flow Problems
- Lecture 38 - Maximal Flow Problems (Continued...)
- Lecture 39 - Shortest Path Problems
- Lecture 40 - Shortest Path Problems (Continued...)