

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

NPTEL Video Course - Mathematics - NOC:Operations Research

Subject Co-ordinator - Prof. Kusumdeep

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction to OR Models
Lecture 2 - More OR Models
Lecture 3 - Graphical Method for LPP
Lecture 4 - Convex sets
Lecture 5 - Simplex Method
Lecture 6 - Big M Method
Lecture 7 - Two Phase
Lecture 8 - Multiple solutions of LPP
Lecture 9 - Unbounded solution of LPP
Lecture 10 - Infeasible solution of LPP
Lecture 11 - Revised Simplex Method
Lecture 12 - Case studies and Exercises - I
Lecture 13 - Case studies and Exercises - II
Lecture 14 - Case studies and Exercises - III
Lecture 15 - Primal Dual Construction
Lecture 16 - Weak Duality Theorem
Lecture 17 - More Duality Theorems
Lecture 18 - Primal-Dual relationship of solutions
Lecture 19 - Dual Simplex Method
Lecture 20 - Sensitivity Analysis - I
Lecture 21 - Sensitivity Analysis - II
Lecture 22 - Case studies and Exercises - I
Lecture 23 - Case studies and Exercises - II
Lecture 24 - Integer Programming
Lecture 25 - Goal Programming
Lecture 26 - Multi-Objective Programming
Lecture 27 - Dynamic Programming
Lecture 28 - Transportation Problem
Lecture 29 - Assignment Problem

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

www.digimat.in

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

- Lecture 30 - Case studies and Exercises
- Lecture 31 - Processing n Jobs on Two Machines
- Lecture 32 - Processing n Jobs through Three Machines
- Lecture 33 - Processing two jobs through m machines
- Lecture 34 - Processing n jobs through m machines
- Lecture 35 - Case studies and Exercises
- Lecture 36 - Two Person Zero-Sum Game
- Lecture 37 - Theorems of Game Theory
- Lecture 38 - Solution of Mixed Strategy Games
- Lecture 39 - Linear Programming method for solving games
- Lecture 40 - Case studies and Exercises