NPTEL Video Course - Management - NOC:Operations and Revenue Analytics

Subject Co-ordinator - Prof. Rajat Agrawal

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Operations Analytics: Introduction
Lecture 2 - Operations Analytics Applications
Lecture 3 - Descriptive Analytics
Lecture 4 - Predictive Analytics: Forecasts based on historical demand data
Lecture 5 - Predictive Analytics: Exponential Smoothing and Regression Analysis
Lecture 6 - Predictive Analytics: Estimation of Errors in Forecasting
Lecture 7 - Exponential Smoothing with Trend and Seasonality
Lecture 8 - Exponential Smoothing (Winterâ s Model)
Lecture 9 - Inventory Management and Uncertainties
Lecture 10 - Managing Uncertainty through Safety Inventory
Lecture 11 - Supply Uncertainty, Quantity Discounts and Production Lot Sizing
Lecture 12 - Decision Making under Uncertainty: Decision Tree
Lecture 13 - Decision Tree Example
Lecture 14 - Monte Carlo Simulation for Inventory Management
Lecture 15 - Newsvendor problem: Optimal Stocking Quantity in a Single Period
Lecture 16 - Optimal Stocking Quantity in a Single Period (Continued...)
Lecture 17 - Optimal Product Availability in Continuous Stocking
Lecture 18 - Material Requirements Planning
Lecture 19 - Material Requirements Planning (Continued...)
Lecture 20 - Improvements in Material Requirements Planning
Lecture 21 - Pricing and Revenue Management: Introduction
Lecture 22 - Levels and Strategy of Revenue Management
Lecture 23 - Case of Constrained Supply - Part A
Lecture 24 - Case of Constrained Supply - Part B
Lecture 25 - Booking Control and Nesting
Lecture 26 - Managing Cancellations and Two-Class model
Lecture 27 - Capacity Allocation
Lecture 28 - Capacity Allocation: Two-class and Multiclass Models
Lecture 29 - Multiclass Models: EMSR-a and EMSR-b

Get DIGIMAT For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

http://www.digimat.in

```
Lecture 30 - EMSR-a and EMSR-b: Illustration on Excel
Lecture 31 - Network Management
Lecture 32 - Network Management: Virtual Nesting
Lecture 33 - Virtual Nesting: Excel Illustration
Lecture 34 - Overbooking
Lecture 35 - Overbooking Policies
Lecture 36 - Revenue Management: Price Based
Lecture 37 - Single- Product Dynamic Pricing Without Replenishment
Lecture 38 - Auctions
Lecture 39 - Markdown Pricing
Lecture 40 - Markdown Pricing and Conclusion
```

Get DIGIMAT For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

http://www.digimat.in