

NPTEL : Managerial Accounting (Management)

Co-ordinators : Dr. Varadraj Bapat

- Lecture 1 - Introduction to Management Accounting
- Lecture 2 - Double Entry System, Forms of Organisation
- Lecture 3 - Financial Statements
- Lecture 4 - Balance Sheet
- Lecture 5 - Profit and Loss Account
- Lecture 6 - Company Account
- Lecture 7 - Accounting Concepts, Standards, IFRS
- Lecture 8 - Depreciation, Inventory, Goodwill
- Lecture 9 - Inventory Valuation, Cash Flow
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- Lecture 11 - Cash Flow Statement Cases
- Lecture 12 - Cash Flow Statement Cases-Part II
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- Lecture 14 - Common-size, Comparative Statement Analysis
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- Lecture 17 - Comparative, Common-size and Ratio Analysis
- Lecture 18 - Financial Statements Analysis - Colgate Palmolive Case
- Lecture 19 - Financial Statements Analysis - Dabur India Case
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- Lecture 21 - Accounting for Costs
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- Lecture 23 - Job and Process Accounting
- Lecture 24 - Job and Process Accounting including cost sheet and equivalent production
- Lecture 25 - Equivalent production and Activity Based Costing
- Lecture 26 - Activity Based Costing and Management
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- Lecture 29 - New Product, Shut Down and Joint Products
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NPTEL : Managerial Economics (Management)

Co-ordinators : Dr. Trupti Mishra

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NPTEL : NOC:Introduction to Stochastic Processes (Management)

Co-ordinators : Prof. Manjesh Hanawal

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- Lecture 3 - Independence of events and Conditional Probability
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- Lecture 5 - CDF and its properties
- Lecture 6 - Continuity of Probability
- Lecture 7 - Discrete and Continuous random variables
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- Lecture 34 - Theory of Production- Law of Diminishing Return
- Lecture 35 - Theory of Production- long Run Production Analysis, Return to Scale, Isoquants
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- Lecture 37 - Theory of Production- Different kind of Production Functions: Cobb Douglas Production function, Optimal input combination
- Lecture 38 - Theory of Production- Effect of Changes in Input Prices, Law of Diminishing returns, Return to Scale
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- Lecture 42 - Long-Run Marginal Cost Curve
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- Lecture 44 - Theory of Cost: Profit Volume Ratio, Margin of Safety and Learning Curve
- Lecture 45 - Theory of Cost: Application of Cost Analysis & Economies of Scale
- Lecture 46 - Theory of Cost: Production Economies
- Lecture 47 - Theory of Cost: Managerial and Transport Economies of Scale
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- Lecture 52 - Theory of Market: Long-run Profit Maximization under Perfect Competition
- Lecture 53 - Theory of Market: Real World Application of Perfect Competition & Introduction to Monopoly
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- Lecture 55 - Theory of Market: Supply Curve of Monopoly Firm
- Lecture 56 - Theory of Market: Effect of shift of Cost in case of Monopoly
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Co-ordinators : Prof. Jayanta Chatterjee

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Co-ordinators : Prof. Jayanta Chatterjee, Dr. Shashi Shekhar Mishra

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Co-ordinators : Prof. Raghunandan Sengupta

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Co-ordinators : Prof. Raghunandan Sengupta

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Co-ordinators : Prof. Jayanta Chatterjee

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Lecture 0 - How to Learn and Follow the Course

Lecture 1 - R Software and its Installation

Lecture 2 - Help, Documentation, Examples, Packages and Libraries

Lecture 3 - Command Line and Data Editor

Lecture 4 - Introduction to R Studio

Lecture 5 - R as a Calculator

Lecture 6 - Calculation with Data Vectors and Built-in Function

Lecture 7 - Matrix Operations

Lecture 8 - Matrix Operations

Lecture 9 - Univariate Data-Central Tendency and Variability

Lecture 10 - Bivariate Data

Lecture 11 - Missing Data Handling

Lecture 12 - Measuring Central Tendency with Missing Data

Lecture 13 - Measuring Variation with Missing Data

Lecture 14 - Coefficient of Variation and Summary

Lecture 15 - Boxplots and Grouped Boxplots

Lecture 16 - Bar Diagram, Subdivided and Multiple Bar Diagrams

Lecture 17 - Pie Diagram, Histogram and Multiple Histogram

Lecture 18 - Scatter Plots, Smooth Scatter Plots and Matrix Plots

Lecture 19 - Three Dimensional Plots, Star Plots and Chernoff Faces

Lecture 20 - Continuous and Discrete

Lecture 21 - Probability Functions

Lecture 22 - Probability Functions for Continuous Bivariate and Multivariate Random Variables

Lecture 23 - Theoretical Properties

Lecture 24 - Application in R Software

Lecture 25 - Bivariate Normal and Multivariate Normal Distributions in R

Lecture 26 - Chi Square (χ^2), t and F Distribution

Lecture 27 - Point and Interval Estimation

Lecture 28 - Maximum Likelihood Estimation

Lecture 29 - Basics of Tests of Hypothesis

Lecture 30 - Test and Confidence Interval for Mean in One Sample with Known Variance in Univariate Data

- [Lecture 31 - Test and Confidence Interval for Mean in One Sample with Unknown Variance in Univariate Data](#)
- [Lecture 32 - Tests for Mean in Two Samples with Univariable Data](#)
- [Lecture 33 - Analysis of Variance and Homogeneity of Variances with Univariate Data](#)
- [Lecture 34 - Tests for Mean Vector with Multivariate Data in One Sample](#)
- [Lecture 35 - Tests for Mean Vector with Multivariate Data in Two Sample](#)
- [Lecture 36 - Centering, Scaling and Z-Scores](#)
- [Lecture 37 - Introduction and Basic Concepts](#)
- [Lecture 38 - Estimation of Parameters](#)
- [Lecture 39 - Model Fitting with R Software](#)
- [Lecture 40 - Test of Hypothesis and Confidence Interval Estimation on Individual Regression Coefficients](#)
- [Lecture 41 - Analysis of Variance and Implementation in R Software](#)
- [Lecture 42 - Goodness of Fit and Testing of Normality](#)
- [Lecture 43 - Logistic Regression Model](#)
- [Lecture 44 - Introduction to Classification](#)
- [Lecture 45 - Bayes Procedure for Classification](#)
- [Lecture 46 - Classification Procedure for Multivariate Normal Distributions](#)
- [Lecture 47 - Classification Procedure and Analysis in R](#)
- [Lecture 48 - Basic Concepts and Definitions](#)
- [Lecture 49 - Hierarchical Classification](#)
- [Lecture 50 - Hierarchical Classification and Analysis with R](#)
- [Lecture 51 - Hierarchical Classification with Examples in R](#)
- [Lecture 52 - Concepts and Theoretical Setup](#)
- [Lecture 53 - Principle Component and Its Graphical Analysis in R](#)
- [Lecture 54 - Canonical Variables and Concepts](#)
- [Lecture 55 - Statistical Analysis of Canonical Variables](#)
- [Lecture 56 - Canonical Variables Analysis in R](#)

Lecture 1 - Introduction to B2B Marketing

Lecture 2 - Tech Marketing

Lecture 3 - Technology life cycle, networks and platforms

Lecture 4 - Organization Markets and Competition

Lecture 5 - Organization Buying decisions

Lecture 6 - Researching Business Markets

Lecture 7 - Design and Tech Market

Lecture 8 - Customer Driven Innovation, New Product Management

Lecture 9 - Market Segments - Technology Focus

Lecture 10 - PLC and TALC

Lecture 11 - Crossing the Chasm

Lecture 12 - B2B Brands - 1

Lecture 13 - B2B Brands - 2

Lecture 14 - B2B Pricing Basics

Lecture 15 - Critical Underpinning Concepts

Lecture 16 - Pricing (Continued...)

Lecture 17 - Pricing Summary

Lecture 18 - B2B Sales

Lecture 19 - Supply Chain

Lecture 20 - Marketing Communication

Lecture 21 - Digital Marketing

Lecture 22 - Digital Relationship Management

Lecture 23 - E-Marketing Tools

Lecture 24 - E-Market Place

Lecture 25 - B2B E-Commerce

Lecture 26 - Electronic Auction

Lecture 27 - E-Procurement

Lecture 28 - Marketing as Strategy - I

Lecture 29 - Marketing as Strategy - II

Lecture 30 - LIVE Session (JCB, TATA Steel, THERMAX)

Lecture 31 - Marketing Orientation

[Lecture 32 - Marketing - R&D interaction](#)

[Lecture 33 - Marketing Metrics](#)

[Lecture 34 - Sample Question and Answers](#)

Lecture 1 - Fundamentals of R

Lecture 2 - Data cleaning

Lecture 3 - Data Visualization - Part 1

Lecture 4 - Data Visualization - Part 2

Lecture 5 - Introduction to Probability Theory

Lecture 6 - Conditional Probabilities and Bayes Theorem

Lecture 7 - Random Variables and Probability Distributions

Lecture 8 - Binomial Distribution

Lecture 9 - Continuous Random Variables and Normal Distribution

Lecture 10 - Descriptive Analytics: Measures of Central Tendency

Lecture 11 - Descriptive Analytics: Measures of Variability and Shape

Lecture 12 - Statistical Inference: Sampling

Lecture 13 - Statistical Inference: Central Limit Theorem and Confidence Intervals

Lecture 14 - Statistical Inference: Hypothesis testing

Lecture 15 - Introduction to R

Lecture 16 - Inferential statistics: R Implementation

Lecture 17 - Statistical Inference: Sampling

Lecture 18 - Hypothesis Testing: R Implementation

Lecture 19 - Regression Modelling - Part 1

Lecture 20 - Regression Modelling - Part 2

Lecture 21 - Regression Algorithm: Application - Part 1

Lecture 22 - Regression Algorithm: Application - Part 2

Lecture 23 - Classification Algorithms: Logit/Probit Regression - Part 1

Lecture 24 - Classification Algorithms: Logit/Probit Regression - Part 2

Lecture 25 - Classification Algorithms: Application - Part 1

Lecture 26 - Classification Algorithms: Application - Part 2

Lecture 27 - Advanced Data Visualization - Part 1

Lecture 28 - Advanced Data Visualization - Part 2

Lecture 29 - Introduction to Panel Data Modelling

Lecture 30 - Panel data application and implementation with R

Lecture 31 - Advanced Time-Series Models

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[Lecture 33 - Forecasting with ARMA models](#)

[Lecture 34 - Non-stationarity, Cointegration, and Error correction Models](#)

[Lecture 35 - Return and Volatility Modelling and Forecasting](#)

[Lecture 36 - Maximum Likelihood Estimation \(MLE\)](#)

[Lecture 37 - Quantile Regression - Part A](#)

[Lecture 38 - Quantile Regression - Part B](#)

[Lecture 39 - Solar Panel Marketing Case Study](#)

[Lecture 40 - PCA and Clustering - Part 1](#)

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[Lecture 42 - Tutorial - HR Analytics - Part 1](#)

[Lecture 43 - Tutorial - HR Analytics - Part 2](#)

[Lecture 44 - Application of Logistic Regression - Part 1](#)

[Lecture 45 - Application of logistic regression - Part 2](#)

- Lecture 1 - Introduction to Teaching Assistants (TA)
- Lecture 2 - Introduction to R
- Lecture 3 - Data Cleaning with R
- Lecture 4 - Data Visualization
- Lecture 5 - Data Visualization with GGLOT
- Lecture 6 - Regression Modelling - Part 1
- Lecture 7 - Regression Modelling - Part 2
- Lecture 8 - Regression Algorithm : Application - Part 1
- Lecture 9 - Regression Algorithm : Application - Part 2
- Lecture 10 - Introduction to Market Microstructure
- Lecture 11 - Introduction to Risk and Return
- Lecture 12 - Portfolio Theory and Asset Pricing Models
- Lecture 13 - Introduction to Portfolio Construction
- Lecture 14 - Advanced Portfolio Optimization - Part 1
- Lecture 15 - Advanced Portfolio Optimization - Part 2
- Lecture 16 - Portfolio Construction with R - Part 1
- Lecture 17 - Portfolio Construction with R - Part 2
- Lecture 18 - Portfolio Construction with R - Part 3
- Lecture 19 - Tutorial on Data Visualization
- Lecture 20 - Tutorial on Portfolio Construction with Advanced Financial Market Instruments - Part 1
- Lecture 21 - Tutorial on Portfolio Construction with Advanced Financial Market Instruments - Part 2
- Lecture 22 - Introduction to Univariate Models - Part 1
- Lecture 23 - Introduction to Univariate Models - Part 2
- Lecture 24 - Introduction to ARMA Process
- Lecture 25 - Non-Stationarity, Cointegration, and Error Correction Models - Part 1
- Lecture 26 - Non-Stationarity, Cointegration, and Error Correction Models - Part 2
- Lecture 27 - Volatility Modelling
- Lecture 28 - Tail Risk Measurement: VaR and CVaR (or ES) models
- Lecture 29 - Advanced Financial Markets Instruments: Return and Volatility Modelling and Forecasting
- Lecture 30 - Classification Algorithms: Logit/Probit Regression - Part 1
- Lecture 31 - Classification Algorithms: Logit/Probit Regression - Part 2

[Lecture 32 - Classification Algorithms: Application - Part 1](#)

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[Lecture 34 - Introduction to Panel Data Modelling](#)

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[Lecture 36 - Maximum Likelihood Estimation \(MLE\)](#)

[Lecture 37 - Quantile Regression - Part 1](#)

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[Lecture 39 - Quantile Regression: Income Expenditure Case Study](#)

[Lecture 40 - Trend Determining Techniques](#)

[Lecture 41 - Moving Average Indicators](#)

[Lecture 42 - Momentum Indicators - Part 1](#)

[Lecture 43 - Momentum Indicators - Part 2](#)

[Lecture 44 - R Application for Technical Analysis and Algorithmic Trading - Part 1](#)

[Lecture 45 - R Application for Technical Analysis and Algorithmic Trading - Part 2](#)

[Lecture 46 - Valuation of Fixed Income Securities](#)

[Lecture 47 - Valuation of Common Stocks](#)

[Lecture 48 - Cost of Capital](#)

[Lecture 49 - Yield to Maturity and Theories of Term Structure of Interest Rates - Part 1](#)

[Lecture 50 - Yield to Maturity and Theories of Term Structure of Interest Rates - Part 2](#)

[Lecture 51 - Duration and Convexity](#)

[Lecture 1 - Examples in Forecasting for Illustration](#)

[Lecture 2 - Quantitative and Qualitative Forecasting and Steps for Forecasting](#)

[Lecture 3 - Types of Forecasting and measures for Forecasting](#)

[Lecture 4 - Numerical Measures and Metrics of Forecasting](#)

[Lecture 5 - Examples of Forecasting; Auto Correlation Function and Correlogram](#)

[Lecture 6 - AIC, Ideas of Overfitting and Underfitting, Metrics of Analyzing](#)

[Lecture 7 - Example of Forecasting, Estimation of Interval Tolerance and Prediction](#)

[Lecture 8 - Distribution of Errors, Example of errors and MSE](#)

[Lecture 9 - Averaging Techniques](#)

[Lecture 10 - Averaging Techniques](#)

[Lecture 11 - Exponential Smoothing Forecasting Single Non-Adaptive Method](#)

[Lecture 12 - Exponential Smoothing Forecasting Multiple Non-Adaptive Parameters](#)

[Lecture 13 - Exponential Smoothing Single Adaptive Method - Part 1](#)

[Lecture 14 - Exponential Smoothing Single Adaptive Method - Part 2](#)

[Lecture 15 - Exponential Smoothing Single Adaptive Method - Part 3](#)

[Lecture 16 - Forecasting Example](#)

[Lecture 17 - Forecasting Example and Metrics used for analysing forecasting models](#)

[Lecture 18 - Exponential smoothing forecasting multiple adaptive method](#)

[Lecture 19 - Holt's Linear Method - Part 1](#)

[Lecture 20 - Holt's Linear Method - Part 2](#)

[Lecture 21 - Holt winter method \(Additive Seasonality\) - Part 1](#)

[Lecture 22 - Holt winter method \(Additive Seasonality\) - Part 2](#)

[Lecture 23 - Holt winter method \(Multiplicative Seasonality\) - Part 1](#)

[Lecture 24 - Holt winter method \(Multiplicative Seasonality\) - Part 2](#)

[Lecture 25 - Introduction of Regression](#)

[Lecture 26 - Introduction of Regression - Explanation with diagrams](#)

[Lecture 27 - Examples of Regression - Part 1](#)

[Lecture 28 - Examples of Regression - Part 2](#)

[Lecture 29 - Examples of Regression - Multiple Linear Regression](#)

[Lecture 30 - Multiple Linear Regression](#)

[Lecture 31 - Multiple Linear Regression, homoscedasticity, heteroscedasticity, non-autocorrelation, autocorrelation](#)

Lecture 32 - Multiple Linear Regression, OLS estimate of $\hat{\beta}^2$, Projection, Mean of estimate of $\hat{\beta}^2$, Variance of estimate of $\hat{\beta}^2$

Lecture 33 - Multiple Linear Regression, Unbiased Estimate of $\hat{\beta}^2$, CAPM, Market Line

Lecture 34 - Discussion about SLR in Finance

Lecture 35 - Examples of SLR and MLR in Finance

Lecture 36 - Examples of MLR Finance

Lecture 37 - Examples of MLR Finance and Others Areas

Lecture 38 - Examples of MLR Finance and Others Areas

Lecture 39 - LINEX Loss Function, Estimation Under LINEX Loss Function

Lecture 40 - LINEX Loss Function, Expected Value of Loss, Risk of Estimation

Lecture 41 - LINEX loss function

Lecture 42 - Balanced loss function

Lecture 43 - Other loss function

Lecture 44 - Logistic Regression

Lecture 45 - Non linear regression

Lecture 46 - Multiple linear regression

Lecture 47 - Non linear Regression

Lecture 48 - Exponential Regression model

Lecture 49 - Logistic Response model

Lecture 50 - Probit Regression Models

Lecture 51 - Introduction to Time Series Models

Lecture 52 - Auto Covariance and correlation function

Lecture 53 - Stationarity and Non stationarity

Lecture 54 - Autoregressive Integrated Moving Average

Lecture 55 - Invertible and non invertible

Lecture 56 - Auto Regressive (AR) Process, Stationarity, Causality

Lecture 57 - ARMA(p,q), Autocovariance Function, Autocorrelation Function, Partial Autocorrelation Function

Lecture 58 - Stationary, Non stationary, Mean squared Error, Preliminary Estimation, Maximum Likelihood Estimation

Lecture 59 - GARCH Volatility Clustering, Box- Pierce LM, AGARCH Conditional Heteroscedasticity, Conditional Variance

Lecture 60 - ARCH (p), GARCH (p,q) and why it is Related to ARCH, EGARCH, Ljung - Box - Pierce Q-Test

NPTEL : Econometric Modelling (Management)

Co-ordinators : Dr. Rudra P. Pradhan

- Lecture 1 - Introduction to Econometric Modelling
- Lecture 2 - Structure of Econometric Modelling
- Lecture 3 - Univariate Econometric Modelling
- Lecture 4 - Bivariate Econometric Modelling
- Lecture 5 - Bivariate Econometric Modelling (Continued...)
- Lecture 6 - Probability
- Lecture 7 - Bivariate Econometric Modelling
- Lecture 8 - Bivariate Econometric Modelling (Continued...)
- Lecture 9 - Reliability BEM
- Lecture 10 - Reliability BEM (Continued...1)
- Lecture 11 - Reliability BEM (Continued...2)
- Lecture 12 - ANOVA for Bivariate Econometric Modelling
- Lecture 13 - Trivariate Econometric Modelling
- Lecture 14 - Trivariate Econometric Modelling (Continued...)
- Lecture 15 - Reliability of Trivariate Econometric Modelling
- Lecture 16 - Multivariate Econometric Modelling
- Lecture 17 - Multivariate Econometric Modelling (Continued...)
- Lecture 18 - Matrix Approach to Econometric Modelling
- Lecture 19 - Matrix Approach to Econometric Modelling (Continued...)
- Lecture 20 - Multicollinearity Problem
- Lecture 21 - Multicollinearity Problem (Continued...)
- Lecture 22 - Autocorrelation Problem
- Lecture 23 - Autocorrelation Problem (Continued...)
- Lecture 24 - Heteroscedasticity Problem
- Lecture 25 - Heteroscedasticity Problem (Continued...)
- Lecture 26 - Dummy Modelling
- Lecture 27 - Dummy Modelling (Continued...)
- Lecture 28 - LOGIT and PROBIT Model
- Lecture 29 - LOGIT and PROBIT Model (Continued...)
- Lecture 30 - Panel Data Modelling
- Lecture 31 - Panel Data Modelling (Continued...)

[Lecture 32 - Simultaneous Equation Modelling](#)

[Lecture 33 - Simultaneous Equation Modelling \(Continued...\)](#)

[Lecture 34 - Structural Equation Modelling](#)

[Lecture 35 - Structural Equation Modelling \(Continued...\)](#)

[Lecture 36 - Time Series Modelling](#)

[Lecture 37 - Time Series Modelling \(Continued...\)](#)

[Lecture 38 - Unit Root](#)

[Lecture 39 - Cointegration](#)

[Lecture 40 - Concluding Remarks](#)

NPTEL : Organizational Behaviour (Management)

Co-ordinators : Dr. Susmita Mukhopadhyay

- Lecture 1 - Understanding Organizational Behaviour
- Lecture 2 - Effectiveness in Organizations
- Lecture 3 - Social System and Organizational Culture
- Lecture 4 - Social System and Organizational Culture (Continued...)
- Lecture 5 - Individual differences and work behaviour
- Lecture 6 - Personality
- Lecture 7 - Personality (Continued...)
- Lecture 8 - Attitudes
- Lecture 9 - Attitudes (Continued...)
- Lecture 10 - Attitudes (Continued...)
- Lecture 11 - Perceptions and Attributions
- Lecture 12 - Perceptions and Attributions (Continued...)
- Lecture 13 - Motivation
- Lecture 14 - Motivation (Continued...)
- Lecture 15 - Job Design, Work and Motivation
- Lecture 16 - Job Design, Work and Motivation (Continued...)
- Lecture 17 - Evaluation, Feedback and Rewards
- Lecture 18 - Evaluation, Feedback and Rewards (Continued...)
- Lecture 19 - Managing Misbehaviour
- Lecture 20 - Stress
- Lecture 21 - Counseling
- Lecture 22 - Informal and Formal Groups
- Lecture 23 - Teams and Teambuilding
- Lecture 24 - Managing Conflict and Negotiation
- Lecture 25 - Managing Conflict and Negotiation (Continued...)
- Lecture 26 - Power and Politics
- Lecture 27 - Empowerment and Participation
- Lecture 28 - Assertive Behaviour and Transactional Analysis
- Lecture 29 - Communication
- Lecture 30 - Communication (Continued...)
- Lecture 31 - Decision Making

[Lecture 32 - Decision Making \(Continued...\)](#)

[Lecture 33 - Leadership](#)

[Lecture 34 - Leadership \(Continued...\)](#)

[Lecture 35 - Leadership \(Continued...\)](#)

[Lecture 36 - Organizational structure and Design](#)

[Lecture 37 - Organizational structure and Design \(Continued...\)](#)

[Lecture 38 - Organizational structure and Design \(Continued...\)](#)

[Lecture 39 - Change and Innovation](#)

[Lecture 40 - Change and Innovation \(Continued...\)](#)

[Lecture 41 - Organizational behaviour across cultures](#)

NPTEL : Security Analysis and Portfolio Management (Management)

Co-ordinators : Dr. Jitendra Mahakud, Dr. Chandra Sekhar Mishra

Lecture 1 - Introduction to Investment Management

Lecture 2 - Markets for Investment

Lecture 3 - Risk and Return

Lecture 4 - Risk and Return (Continued...)

Lecture 5 - Organization and Function of Equity and Debt Markets

Lecture 6 - Mutual Funds

Lecture 7 - Market Efficiency - Concepts and forms of efficiency

Lecture 8 - Testing Market Efficiency

Lecture 9 - Financial Statement Analysis

Lecture 10 - Financial Statement Analysis (Continued...)

Lecture 11 - Valuation of Equity Shares - I

Lecture 12 - Valuation of Equity Shares - II

Lecture 13 - Economic Analysis - I

Lecture 14 - Economic Analysis - II

Lecture 15 - Industry Analysis - I

Lecture 16 - Industry Analysis - II

Lecture 17 - Company Analysis - I

Lecture 18 - Company Analysis - II

Lecture 19 - Technical Analysis - I

Lecture 20 - Technical Analysis - II

Lecture 21 - Introduction to Portfolio Management

Lecture 22 - Introduction to Portfolio Management (Continued...)

Lecture 23 - Capital Market Theory - I

Lecture 24 - Capital Market Theory - II

Lecture 25 - Arbitrage Pricing Theory

Lecture 26 - Multifactor Pricing Model

Lecture 27 - Markowitz Optimal Portfolio Selection Model

Lecture 28 - Other Optimal Portfolio Selection Models

Lecture 29 - Equity Portfolio Management Strategies - I

Lecture 30 - Equity Portfolio Management Strategies - II

Lecture 31 - Introduction to Bond Analysis

[Lecture 32 - Bond Pricing and Yield](#)

[Lecture 33 - Interest Rate: Determination & Structure](#)

[Lecture 34 - Bond Price Volatility](#)

[Lecture 35 - Bond Portfolio Management Strategies - I](#)

[Lecture 36 - Bond Portfolio Management Strategies - II](#)

[Lecture 37 - Derivatives - I](#)

[Lecture 38 - Derivatives - II](#)

[Lecture 39 - Portfolio Performance Evaluation - I](#)

[Lecture 40 - Portfolio Performance Evaluation - II](#)

NPTEL : Six Sigma (Management)

Co-ordinators : Prof. Tapan P. Bagchi

Lecture 1 - Concepts in Quality Management - I

Lecture 2 - Concepts in Quality Management - II

Lecture 3 - Concepts in Quality Management - III

Lecture 4 - Initiating Six Sigma

Lecture 5 - Review of Probability and Statistics - I

Lecture 6 - Review of Probability and Statistics - II

Lecture 7 - Review of Probability and Statistics - III

Lecture 8 - Review of Probability and Statistics - IV

Lecture 9 - QM Systems Overview

Lecture 10 - Cost of Quality and TQM Tools

Lecture 11 - QFD and ISO 9000

Lecture 12 - QS 9000 and Awards

Lecture 13 - Competing Through Service Quality

Lecture 14 - Introduction to Project Management

Lecture 15 - Project Life Cycle

Lecture 16 - Critical Path Method

Lecture 17 - Measurement System Analysis

Lecture 18 - Acceptance Sampling

Lecture 19 - Design of Sampling Plans

Lecture 20 - MIL-STD-105E Sampling Plan

Lecture 21 - Introduction to SPC

Lecture 22 - Control Chart Examples

Lecture 23 - Control Charts by Excel

Lecture 24 - Process Capability

Lecture 25 - Quality Function Deployment

Lecture 26 - Design of Experiments - Overview

Lecture 27 - Planning for DOE

Lecture 28 - Factor Effect Calculations

Lecture 29 - ANOVA in DOE

Lecture 30 - Benchmarking in Six Sigma

Lecture 31 - How to Benchmark

[Lecture 32 - Six Sigma in Supply Chains](#)

[Lecture 33 - Taguchi Methods](#)

[Lecture 34 - Robust Design](#)

[Lecture 35 - The Journey to Six Sigma](#)

[Lecture 36 - A Case Study of Defect Reduction](#)

[Lecture 37 - DFM & Reliability](#)

[Lecture 38 - Failure Modes & Effects Analysis \(FMEA\)](#)

[Lecture 39 - Implementing Six Sigma](#)

[Lecture 40 - Getting Results From Six Sigma](#)

- Lecture 1 - Introduction
- Lecture 2 - Definitions & Concepts
- Lecture 3 - Communicative Competence - I
- Lecture 4 - Communicative Competence - II
- Lecture 5 - Communicative Competence - III
- Lecture 6 - Intercultural Communication - I
- Lecture 7 - Intercultural Communication - II
- Lecture 8 - Intercultural Communication - III
- Lecture 9 - Intercultural Communication - Thought and Speech
- Lecture 10 - Intercultural Communication - Thought and Speech (Continued...)
- Lecture 11 - Intercultural Communication: Translation as Problematic Discourse
- Lecture 12 - Nonverbal Communication
- Lecture 13 - Barriers to Communication
- Lecture 14 - Barriers to Communication (Continued...)
- Lecture 15 - Barriers to Communication (Continued...) & Listening
- Lecture 16 - Listening (Continued...)
- Lecture 17 - Communication Rules
- Lecture 18 - Communication Style
- Lecture 19 - Interpersonal Communication
- Lecture 20 - Interpersonal Communication (Continued...)
- Lecture 21 - Relational Communication
- Lecture 22 - Relational Communication (Continued...)
- Lecture 23 - Organizational Communication
- Lecture 24 - Organizational Communication (Continued...)
- Lecture 25 - Collaboration
- Lecture 26 - Communication in Groups and Teams
- Lecture 27 - Communication in Groups and Teams (Continued...1)
- Lecture 28 - Communication in Groups and Teams (Continued...2)
- Lecture 29 - Persuasive Communication
- Lecture 30 - Persuasive Communication (Continued...)
- Lecture 31 - Negotiation and Conflict Management

[Lecture 32 - Negotiation and Conflict Management \(Continued...\)](#)

[Lecture 33 - Leadership](#)

[Lecture 34 - Written Communication in International Business](#)

[Lecture 35 - Role of Technology in international Business Communication](#)

[Lecture 36 - Moving to Another Culture](#)

[Lecture 37 - Re-entry](#)

[Lecture 38 - Crisis Communication](#)

[Lecture 39 - Ethics in Business Communication](#)

[Lecture 40 - Conclusion](#)

NPTEL : Consumer Behaviour (Management)

Co-ordinators : Dr. Sangeeta Sahney

[Lecture 1 - Introduction to the Study of Consumer Behaviour](#)

[Lecture 2 - Introduction to the Study of Consumer Behaviour \(Continued...\)](#)

[Lecture 3 - Market Research and Consumer Behaviour](#)

[Lecture 4 - Market Research and Consumer Behaviour \(Continued...\)](#)

[Lecture 5 - Market Segmentation and Positioning](#)

[Lecture 6 - Market Segmentation and Positioning \(Continued...\)](#)

[Lecture 7 - The Consumer Decision Making Process](#)

[Lecture 8 - The Consumer Decision Making Process \(Continued...\)](#)

[Lecture 9 - Models of Consumers and Models of Consumer Behaviour](#)

[Lecture 10 - Models of Consumers and Models of Consumer Behaviour \(Continued...\)](#)

[Lecture 11 - Models of Consumers and Models of Consumer Behaviour \(Continued...\)](#)

[Lecture 12 - Models of Consumers and Models of Consumer Behaviour \(Continued...\)](#)

[Lecture 13 - Consumer Needs and Motivation, Emotions and Mood, Consumer Involvement](#)

[Lecture 14 - Consumer Needs and Motivation, Emotions and Mood, Consumer Involvement \(Continued...\)](#)

[Lecture 15 - Consumer Needs and Motivation, Emotions and Mood, Consumer Involvement \(Continued...\)](#)

[Lecture 16 - Consumer Needs and Motivation, Emotions and Mood, Consumer Involvement \(Continued...\)](#)

[Lecture 17 - Consumer Needs and Motivation, Emotions and Mood, Consumer Involvement \(Continued...\)](#)

[Lecture 18 - Consumer Learning](#)

[Lecture 19 - Consumer Learning \(Continued...\)](#)

[Lecture 20 - Consumer Learning \(Continued...\)](#)

[Lecture 21 - Consumer Learning \(Continued...\)](#)

[Lecture 22 - Personality, Self Concept and Self Image](#)

[Lecture 23 - Personality, Self Concept and Self Image \(Continued...\)](#)

[Lecture 24 - Consumer Perception, Risk and Imagery](#)

[Lecture 25 - Consumer Perception, Risk and Imagery \(Continued...\)](#)

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Co-ordinators : Dr. Arun K. Misra

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Co-ordinators : Dr. J. Maiti

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NPTEL : NOC:Commodity Derivatives and Risk Management (Management)

Co-ordinators : Dr. Prabina Rajib

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NPTEL : NOC:Decision Modeling (Management)

Co-ordinators : Prof. Biswajit Mahanty

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Co-ordinators : Prof. Pradip Kumar Ray

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NPTEL : NOC:Industrial Safety Engineering (Management)

Co-ordinators : Prof. Jhareswar Maiti

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- Lecture 4 - Key concepts and terminologies-Risk Assessment and Control
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NPTEL : NOC:Management of Inventory Systems (Management)

Co-ordinators : Prof. PK Ray

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Co-ordinators : Prof Sujoy Bhattacharya, Prof. Anupam Ghosh, Prof. Kunal Kanti Ghosh

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Co-ordinators : Prof. Swagato Chatterjee

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Lecture 5 - Forecasting Approaches / Time-series Forecast - 1

Lecture 6 - Time-series Forecast - 2

Lecture 7 - Time-series Forecast - 3 / Trend Forecast

Lecture 8 - Time-series Forecast - 4 / Trend-Adjusted Exponential Smoothing, Seasonal Relatives

Lecture 9 - Monitoring Forecast Error, and Choosing Forecast Techniques

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Lecture 12 - Service Design and Key Issues

Lecture 13 - Strategic Capacity Planning for Products and Services: Challenges of Capacity Planning

Lecture 14 - Evaluating Alternatives for Capacity Planning

Lecture 15 - Flexibility of Capacity Provision and Bottleneck Operations

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Lecture 37 - Strategies for Meeting Uneven Demand and Aggregate Planning in Services

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Lecture 47 - Inventory Management under Uncertainty

Lecture 48 - Continuous Review and Periodic Review Inventory Control Systems, Case Study

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Lecture 51 - Building Blocks, Benefits, and Risks of Lean Production System

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Lecture 60 - Construction of Network and Network Computation Process

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Lecture 64 - Queuing System Cost Trade-of; Problem Solving

DIGIMAT - The No.1 Learning Management Platform for Creative Learning

NPTEL : NOC:Foundation of Digital Business (Management)

Co-ordinators : Prof. Surojit Mookherjee

- Lecture 1 - What is Digital Transformation
- Lecture 2 - Drivers for Digital Transformation
- Lecture 3 - Overview of Emerging Digital Technologies - Part 1
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- Lecture 6 - What is a Business Model and how to build a Business Model
- Lecture 7 - Types of Business to Consumer B2C Digital Business Models
- Lecture 8 - Digital Business Models of the Future
- Lecture 9 - Overview of Digital Transformation
- Lecture 10 - Building Digital Mastery
- Lecture 11 - Building Digital Capabilities
- Lecture 12 - Disruptive Business Models
- Lecture 13 - Digital Transformation Play Book
- Lecture 14 - Strategic Planning Tools for Digital Transformation
- Lecture 15 - Digital Transformation Road Map - Microsoft Story
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- Lecture 17 - Platform as a Business Model
- Lecture 18 - Developing a Platform Business Model Map
- Lecture 19 - Artificial Intelligence - Introduction
- Lecture 20 - Linear Regression and Deep Learning Model
- Lecture 21 - Putting AI in practice
- Lecture 22 - Prepare for AI
- Lecture 23 - Get AI ideas Flowing
- Lecture 24 - Becoming AI ready
- Lecture 25 - Find AI opportunities - Part 1
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- Lecture 27 - Introduction to Gen AI and LLMs
- Lecture 28 - Gen AI Impacting various business Operations
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HTML Links for 1,32,200+ NPTEL PDF Lectures, Created by Linuxpert Systems, Chennai

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NPTEL : Infrastructure Finance (Management)

Co-ordinators : Dr. A. Thillai Rajan

Lecture 1 - Introduction

Lecture 2 - Overview on Infrastructure Financing Sources

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Lecture 21 - Project Finance Markets Mezzanine / Sub-ordinated Debt

Lecture 22 - Project Finance Markets - Type of Debt and Leasing

Lecture 23 - Project Finance Markets - Financial Intermediation

Lecture 24 - Project Finance Markets - Loan Refinancing

Lecture 25 - Project Finance Markets - Project Bonds - I

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NPTEL : Manufacturing Systems Management (Management)

Co-ordinators : Prof. G. Srinivasan

- Lecture 1 - Introduction to Manufacturing Systems Management
- Lecture 2 - Different types of Manufacturing Systems
- Lecture 3 - Introduction to Cellular Manufacturing
- Lecture 4 - Cellular Manufacturing Applications, Production Flow Analysis
- Lecture 5 - Production Flow Analysis
- Lecture 6 - Cellular Manufacturing - Unidirectional flow, Capacity Planning, Layout
- Lecture 7 - Exercise on Production Flow Analysis
- Lecture 8 - Rank Order Clustering, Similarity Coefficient based algorithm
- Lecture 9 - Similarity Coefficient based clustering algorithm
- Lecture 10 - Hierarchical and Non hierarchical clustering algorithms
- Lecture 11 - Optimization based algorithms
- Lecture 12 - Optimization based algorithms, Assignment based algorithm
- Lecture 13 - Assignment model, Algorithm considering sequence of visit of machines
- Lecture 14 - Algorithm considering sequence of visit of machines
- Lecture 15 - Algorithm considering cell load data, alternate process plans
- Lecture 16 - Reducing Intercell moves
- Lecture 17 - Part subcontracting, Incremental cell formation
- Lecture 18 - Product based cells
- Lecture 19 - Branching algorithm for product based cells, Operator and task assignment
- Lecture 20 - Operator and task assignment
- Lecture 21 - Operator and task assignment continued
- Lecture 22 - Static and dynamic Operator allocation, Multiple products and incremental cells
- Lecture 23 - Cell scheduling and sequencing
- Lecture 24 - Cell scheduling and sequencing continued
- Lecture 25 - Single piece transportation
- Lecture 26 - Cell Layout, Introduction to Just-in-time manufacturing
- Lecture 27 - Cell control and JIT
- Lecture 28 - Basic elements of JIT, Kanban systems
- Lecture 29 - Role of basic elements, Critical success factors
- Lecture 30 - Models in JIT
- Lecture 31 - Models in JIT continued

- [Lecture 32 - CONWIP, Introduction to synchronous manufacturing](#)
- [Lecture 33 - Theory of constraints, Product mix problem](#)
- [Lecture 34 - Statistical Fluctuations, Random events, principles of SM](#)
- [Lecture 35 - Scheduling in SM](#)
- [Lecture 36 - Drum Buffer Rope system](#)
- [Lecture 37 - Flexible Manufacturing System, Part selection problem](#)
- [Lecture 38 - FMS Loading problem](#)
- [Lecture 39 - FMS Loading, multiple batches and changeover times](#)
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NPTEL : Operations and Supply Chain Management (Management)

Co-ordinators : Prof. G. Srinivasan

Lecture 1 - Introduction - (Challenges, Methodologies)

Lecture 2 - Forecasting - Time series models - Simple Exponential smoothing

Lecture 3 - Forecasting - Linear Models, Regression, Holt's , seasonality

Lecture 4 - Forecasting - Winter's model, causal models, Goodness of forecast, Aggregate Planning, Tabular method

Lecture 5 - Aggregate Planning, Tabular method, Linear Programming

Lecture 6 - Aggregate Planning, Transportation model

Lecture 7 - Aggregate Planning, Dynamic Programming, backordering

Lecture 8 - Aggregate Planning, Quadratic model, Demand and capacity planning

Lecture 9 - Inventory Models - Costs, EOQ model

Lecture 10 - Inventory - EOQ model graphs, with backordering

Lecture 11 - Inventory - Models for all quantity and marginal quantity Discount

Lecture 12 - Multiple Quantity Discount, Multiple item inventory - Constraint on numbers of orders

Lecture 13 - Multiple item inventory - Constraint on money value, space, equal number of orders

Lecture 14 - Multiple item inventory - combining orders, production consumption model

Lecture 15 - Inventory - Production consumption model with backordering, Economic lot scheduling problem

Lecture 16 - Economic lot scheduling problem, Supply Chain inventory

Lecture 17 - Lot sizing

Lecture 18 - Lot sizing - heuristics

Lecture 19 - Disaggregation

Lecture 20 - Disaggregation - time varying demand, Safety stock - ROL for discrete demand distribution

Lecture 21 - Safety stock - ROL for normal distribution of lead time demand

Lecture 22 - Integrated model, ROL for normal distribution of LTD and given mean

Lecture 23 - Safety stock reduction " delayed Product differentiation, substitution. MOM

Lecture 24 - Sequencing and scheduling " Assumptions, objectives and shop settings

Lecture 25 - Single machine sequencing. Two machine flow shop " Johnson's algorithm

Lecture 26 - Flow shop scheduling - Three machines, Johnson's algorithm and Branch and bound algorithm

Lecture 27 - Flow shop scheduling - heuristics " Palmer, Campbell Dudek Smith algorithm

Lecture 28 - Job shop scheduling - Gantt chart, Different dispatching rules

Lecture 29 - Job shop scheduling - Shifting bottleneck heuristic

Lecture 30 - Job shop scheduling - Shifting bottleneck heuristic. Line Balancing

Lecture 31 - Line Balancing

[Lecture 32 - Location problems - p median problem, Fixed charge problem](#)

[Lecture 33 - Location allocation problems in supply chain. Layout](#)

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Lecture 4 - Balance Sheet Fundamentals

Lecture 5 - Balance Sheet Fundamentals

Lecture 6 - Accounting Principles - 2

Lecture 7 - Introduction to Income Statement & Double Entry

Lecture 8 - Double Entry Examples - 1

Lecture 9 - Double Entry Examples - 2

Lecture 10 - Preparation of Financial Statement

Lecture 11 - Cash Flow Statement - 1

Lecture 12 - Cash Flow Statement - 2

Lecture 13 - Special Accounts Illustrations

Lecture 14 - Final Illustrative Example

Lecture 15 - Summary of Financial Accounting

Lecture 16 - Introduction to Management Accounting & Behaviour of Cost

Lecture 17 - Cost-Volume Relationship

Lecture 18 - Cost-Objects & Variance

Lecture 19 - Labour & Over Heads Variance Analysis

Lecture 20 - Cash Conversion Cycle

Lecture 21 - Inventory Management

Lecture 22 - What is Strategy?

Lecture 23 - Porter's Diamond Model

Lecture 24 - Industry Analysis

Lecture 25 - Industry Analysis & Sources of Strategy

Lecture 26 - The Need for Value

Lecture 27 - Value Chain Analysis

Lecture 28 - Corporate Portfolio Analysis

Lecture 29 - External & Internal Environ Analysis

Lecture 30 - Models for Strategy, Ansoff matrix

Lecture 31 - Porter's Generic Strategy

[Lecture 32 - Prahlad's Core Competency](#)

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Lecture 2 - Linear Programming Introduction and formulations - Manpower and Production planning formulations

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Lecture 4 - Linear Programming Introduction and formulations - Caterer problem

Lecture 5 - Linear Programming Introduction and formulations - Maximum flow and bin packing problems

Lecture 6 - Graphical and Algebraic methods - Graphical method (maximization)

Lecture 7 - Graphical and Algebraic methods - Graphical method (minimization)

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Lecture 10 - Graphical and Algebraic methods - Comparing graphical and algebraic methods

Lecture 11 - Simplex Algorithm - Algebraic form of simplex algorithm

Lecture 12 - Simplex Algorithm - Tabular form of simplex (maximization)

Lecture 13 - Simplex Algorithm - Tabular form (minimization)

Lecture 14 - Simplex Algorithm - Unboundedness

Lecture 15 - Simplex Algorithm - Infeasibility

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Lecture 17 - Dual - Writing the dual for a general LP

Lecture 18 - Dual - Writing the dual for a general LP (Continued...)

Lecture 19 - Dual - Duality theorems

Lecture 20 - Dual - Complimentary slackness theorem

Lecture 21 - Primal dual relationships - Dual solution using complimentary slackness

Lecture 22 - Primal dual relationships - Dual solution from simplex table; economic interpretation of dual

Lecture 23 - Primal dual relationships - Economic Interpretation of the dual; Dual Simplex algorithm

Lecture 24 - Primal dual relationships - Solving LPs with mixed type of constraints

Lecture 25 - Primal dual relationships - Matrix method for LP problems

Lecture 26 - Introducing the transportation problem

Lecture 27 - North West corner Rule and minimum cost method

Lecture 28 - Penalty cost method

Lecture 29 - Stepping stone method and Modified Distribution method

Lecture 30 - MODI method; Dual of the transportation problem and the optimality of the MODI method

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Lecture 4 - Preliminary Rules

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Lecture 12 - Capable of Industrial Application

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Co-ordinators : Prof.Chitra Dey, Prof.M. P Ganesh

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Co-ordinators : Prof. Anil Sharma

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NPTEL : Global Supply Chain Management (Management)

Co-ordinators : Prof. N. Viswanadham

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