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

Lecture 10 - Cash Flow Statement Cases

Lecture 11 - Cash Flow Statement Cases

Lecture 12 - Cash Flow Statement Cases-Part II

Lecture 13 - Fund Flow Statement Cases

Lecture 14 - Common-size, Comparative Statement Analysis

Lecture 15 - Ratio Analysis

Lecture 16 - Financial Statements Analysis

Lecture 17 - Comparative, Common-size and Ratio Analysis

Lecture 18 - Financial Statements Analysis - Colgate Palmolive Case

Lecture 19 - Financial Statements Analysis - Dabur India Case

Lecture 20 - Types of Costs

Lecture 21 - Accounting for Costs

Lecture 22 - Cost Allocation, Absorption

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

Lecture 27 - Cost Volume Profit Analysis

Lecture 28 - Relevant and Sunk Cost in Decision Making

Lecture 29 - New Product, Shut Down and Joint Products

Lecture 30 - Budget and Budgetory control

Lecture 31 - Budgeting and Standard Costing

Lecture 32 - Standard Costing - Material, Labour and Overhead Variances

Lecture 33 - Standard Costing - Mix, Yeild, Sales and Fixed Overhead Variances

Lecture 34 - Standard Costing - Mix, Yeild and Fixed Overhead Variances

Lecture 35 - Cost Volume Profit and Break-Even Point Analysis

Lecture 36 - Cost Volume Profit Analysis - Cost Indifference Point and Levearge

Lecture 37 - Cash Flow Advanced Cases

Lecture 38 - Cash Flow Advanced Cases-Part II

Lecture 39 - Financial Statements Analysis Advanced

Lecture 40 - Financial Statement- Forcasting and Valuation - Dabur Case

Lecture 41 - Financial Statement- Forcasting and use of Adjusted data - Pfizer and Merck Case

NPTEL : Managerial Economics (Management)

Co-ordinators : Dr. Trupti Mishra

Lecture 1 - Introduction to Managerial Economics

Lecture 2 - Introduction to Managerial Economics (Continued...)

Lecture 3 - Introduction to Managerial Economics (Continued...)

Lecture 4 - Basic Tools of Economic Analysis and Optimization Techniques

Lecture 5 - Basic Tools of Economic Analysis and Optimization Techniques (Continued...)

Lecture 6 - Basic Tools of Economic Analysis and Optimization Techniques (Continued...)

Lecture 7 - Basic Tools of Economic Analysis and Optimization Techniques (Continued...)

Lecture 8 - Theory of Demand

Lecture 9 - Theory of Demand (Continued...)

Lecture 10 - Theory of Demand (Continued...)

Lecture 11 - Theory of Demand (Continued...)

Lecture 12 - Consumer Behaviour

Lecture 13 - Consumer Behaviour (Continued...)

Lecture 14 - Elasticity of Supply

Lecture 15 - Demand Forecasting

Lecture 16 - Demand Forecasting (Continued...)

Lecture 17 - Theory of Production

Lecture 18 - Theory of Production (Continued...)

Lecture 19 - Theory of Production (Continued...)

Lecture 20 - Theory of Cost

Lecture 21 - Theory of Cost (Continued...)

Lecture 22 - Theory of Cost (Continued...)

Lecture 23 - Theory of Cost (Continued...)

Lecture 24 - Theory of Market

Lecture 25 - Perfect Competition

Lecture 26 - Perfect Competition (Continued...)

Lecture 27 - Monopoly

Lecture 28 - Monopoly (Continued...)

Lecture 29 - Monopoly (Continued...)

Lecture 30 - Monopolistic

Lecture 31 - Oligopoly

Lecture 32 - Oligopoly (Continued...)

Lecture 33 - Oligopoly (Continued...)

Lecture 34 - Oligopoly (Continued...)

Lecture 35 - Oligopoly and Game Theory

Lecture 36 - Oligopoly and Game Theory (Continued...)

Lecture 37 - Game Theory / Product Pricing

Lecture 38 - Product Pricing

Lecture 39 - Product Pricing (Continued...)

Lecture 40 - Summary

NPTEL : NOC:Financial Accounting (Management)

Co-ordinators : Dr. Varadraj Bapat

Lecture 1 - Introduction and Scope of Accounting

Lecture 2 - Financial Statements

Lecture 3 - Balance Sheet - 1

Lecture 4 - Balance Sheet - 2

Lecture 5 - Balance Sheet - 3

Lecture 6 - Balance Sheet - 4

Lecture 7 - Balance Sheet - 5

Lecture 8 - Profit and Loss Account - 1

Lecture 9 - Profit and Loss Account - 2

Lecture 10 - Profit and Loss Account - 3

Lecture 11 - Depreciation - 1

Lecture 12 - Depreciation - 2

Lecture 13 - Inventory Valuation

Lecture 14 - Cash Flow Statement - 1

Lecture 15 - Cash Flow Statement - 2

Lecture 16 - Cash Flow Statement - 3

Lecture 17 - Cash Flow Statement - 4

Lecture 18 - Cash Flow Statement - 5

Lecture 19 - Corporate Governance

Lecture 20 - Corporate Governance: Global Models

Lecture 21 - Corporate Governance: Enron Case

Lecture 22 - Accounting Standards and Principles

Lecture 23 - Evolution of Accounting

Lecture 24 - Recording of Financial Transactions

Lecture 25 - Zee Case: Profit and Loss and Balance Sheet

Lecture 26 - Zee Case: Balance Sheet

Lecture 27 - Hindalco Case: Profit and Loss and Balance Sheet

Lecture 28 - Hindalco Case: Balance Sheet and Cash Flow Statement

Lecture 29 - Interpretation and Analysis of Financial Statements

Lecture 30 - Ratio Analysis and Interpretation - 1

Lecture 31 - Ratio Analysis and Interpretation - 2

Lecture 32 - Interpretation and Analysis of Financial Statements: Shipping Corp. of India - 1

Lecture 33 - Interpretation and Analysis of Financial Statements: Shipping Corp. of India - 2

Lecture 34 - Interpretation and Analysis of Financial Statements: Shipping Corp. of India - 3

Lecture 35 - Interpretation and Analysis of Financial Statements: Shipping Corp. of India - 4

Lecture 36 - Financial Statement Analysis: TCS Case - 1

Lecture 37 - Financial Statement Analysis: TCS Case - 2

Lecture 38 - Financial Statement Analysis: RIL Case - 1

Lecture 39 - Financial Statement Analysis: RIL Case - 2

Lecture 40 - Revision of Course

NPTEL : NOC:Cost Accounting (Management)

Co-ordinators : Dr. Varadraj Bapat

Lecture 1 - Introduction to Cost Accounting

Lecture 2 - Classification of Costs

Lecture 3 - Marginal Costing

Lecture 4 - Cost Volume Profit Analysis

Lecture 5 - Margin of Safety

Lecture 6 - Application of Breakeven Point Analysis

Lecture 7 - Sensitivity Analysis

Lecture 8 - Case of Ayur Pharma

Lecture 9 - Different Decision Scenarios and Profit Planning

Lecture 10 - Relevant Costs in Decision Making

Lecture 11 - Case Study : Break-even point

Lecture 12 - Case Study : JSW ISPAT Steel

Lecture 13 - Case Study on Projection : Divya Aushadhi Ltd

Lecture 14 - Case Study : Shree Cements

Lecture 15 - Budgeting and Budgetary Control

Lecture 16 - Functional Budget

Lecture 17 - Cash Budget

Lecture 18 - Standard Costing And Variance Analysis

Lecture 19 - Material Cost Variances

Lecture 20 - Overhead Variance

NPTEL : NOC:Game Theory (Management)

Co-ordinators : Prof.K.S. Mallikarjuna Rao

Lecture 1 - Combinatorial Games: Introduction and examples

Lecture 2 - Combinatorial Games: N and P positions

Lecture 3 - Combinatorial Games: Zermeloâ€™s Theorem

Lecture 4 - Combinatorial Games: The game of Hex

Lecture 5 - Combinatorial Games: Nim games

Lecture 6 - Combinatorial Games: Sprague-Grundy Theorem - I

Lecture 7 - Combinatorial Games: Sprague-Grundy Theorem - II

Lecture 8 - Combinatorial Games: Sprague-Grundy Theorem - III

Lecture 9 - Combinatorial Games: The Sylver Coinage Game

Lecture 10 - Zero-Sum Games: Introduction and examples

Lecture 11 - Zero-Sum Games: Saddle Point Equilibria and the Minimax Theorem

Lecture 12 - Zero-Sum Games: Mixed Strategies

Lecture 13 - Zero-Sum Games: Existence of Saddle Point Equilibria

Lecture 14 - Zero-Sum Games: Proof of the Minimax Theorem

Lecture 15 - Zero-Sum Games: Properties of Saddle Point Equilibria

Lecture 16 - Zero-Sum Games: Computing Saddle Point Equilibria

Lecture 17 - Zero-Sum Games: Matrix Game Properties

Lecture 18 - Non-Zero-Sum Games: Introduction and Examples

Lecture 19 - Non-Zero-Sum Games: Existence of Nash Equilibrium - Part I

Lecture 20 - Non-Zero-Sum Games: Existence of Nash Equilibrium - Part II

Lecture 21 - Iterated elimination of strictly dominated strategies

Lecture 22 - Lemke-Howson Algorithm - I

Lecture 23 - Lemke-Howson Algorithm - II

Lecture 24 - Lemke-Howson Algorithm - III

Lecture 25 - Evolutionarily Stable Strategies - I

Lecture 26 - Evolutionarily Stable Strategies - II

Lecture 27 - Evolutionarily Stable Strategies - III

Lecture 28 - Fictitious Play

Lecture 29 - Brown-Von Neumann-Nash Dynamics

Lecture 30 - Potential Games

Lecture 31 - Cooperative Games: Correlated Equilibria

Lecture 32 - Cooperative Games: The Nash Bargaining Problem - I

Lecture 33 - Cooperative Games: The Nash Bargaining Problem - II

Lecture 34 - Cooperative Games: The Nash Bargaining Problem - III

Lecture 35 - Cooperative Games: Transferable Utility Games

Lecture 36 - Cooperative Games: The Core

Lecture 37 - Cooperative Games: Characterization of Games with non-empty Core

Lecture 38 - Cooperative Games: Shapley Value

Lecture 39 - Cooperative Games: The Nucleolus

Lecture 40 - The Matching Problem

NPTEL : NOC:Introduction to Stochastic Processes (Management)

Co-ordinators : Prof. Manjesh Hanawal

Lecture 1 - Sample Space and events

Lecture 2 - Axioms of Probability

Lecture 3 - Independence of events and Conditional Probability

Lecture 4 - Bayeâ€™s Theorem and Introduction to Random Variables

Lecture 5 - CDF and itâ€™s properties

Lecture 6 - Continuity of Probability

Lecture 7 - Discrete and Continuous random variables

Lecture 8 - Expectation of random variables and its properties

Lecture 9 - Variance and some inequalities of random variables

Lecture 10 - Discrete Probability Distributions

Lecture 11 - Continuous Probability Distributions

Lecture 12 - Jointly distributed random variables and conditional distributions

Lecture 13 - Correlation and Covariance

Lecture 14 - Transformation of random vectors

Lecture 15 - Gaussian random vector and joint Gaussian distribution

Lecture 16 - Random Processes

Lecture 17 - Properties of random Process

Lecture 18 - Poisson Process

Lecture 19 - Properties of Poisson Process - Part 1

Lecture 20 - Properties of Poisson Process - Part 2

Lecture 21 - Convergence of sequence of random variables - Part 1

Lecture 22 - Convergence of sequence of random variables - Part 2

Lecture 23 - Relation between different notions of convergence

Lecture 24 - Cauchyâ€™s criteria of convergence

Lecture 25 - Convergence in expectation

Lecture 26 - Law of Large Numbers

Lecture 27 - Central limit theorem

Lecture 28 - Chernoff bound

Lecture 29 - Introduction to Markov property

Lecture 30 - Transition Probability Matrix

Lecture 31 - Finite dimensional distribution of Markov chains

Lecture 32 - Strong Markov Property

Lecture 33 - Stopping Time

Lecture 34 - Hitting Times and Recurrence

Lecture 35 - Mean Number of returns to a state

Lecture 36 - Communicating classes and class properties

Lecture 37 - Class Properties (Continued...)

Lecture 38 - Positive Recurrence and The Invariant Probability Vector

Lecture 39 - Properties of Invariant Probability Vector

Lecture 40 - Condition For Transience

Lecture 41 - Example of Queue

Lecture 42 - Queue Continued and Example of Page Rank

Lecture 43 - Introduction to renewal Theory

Lecture 44 - The Elementary Renewal Theorem

Lecture 45 - Application to DTMC

Lecture 46 - Renewal Reward Theorem

Lecture 47 - Introduction to Continuous Time Markov Chains

Lecture 48 - Properties of states in CTMC

Lecture 49 - Embedded markov chain

NPTEL : NOC:Introduction to System Dynamics Modeling (Management)

Co-ordinators : Prof. Jayendran Venkateswaran

Lecture 1 - Introduction to Systems Thinking

Lecture 2 - Systems Thinking and System Dynamics

Lecture 3 - Causal Loop Diagram (CLD)

Lecture 4 - Guidelines to build CLD - I

Lecture 5 - Guidelines to build CLD - II

Lecture 6 - Guidelines to build CLD - III

Lecture 7 - Examples of CLD

Lecture 8 - Study Traffic Congestion using CLD - I

Lecture 9 - Study Traffic Congestion using CLD - II

Lecture 10 - Stock and Flow Diagram Brief History

Lecture 11 - Stock and Flow Diagram: Basics - I

Lecture 12 - Stock and Flow Diagram: Basics - II

Lecture 13 - Stock and Flow Diagram: Basics - III

Lecture 14 - Graphical Integration

Lecture 15 - Patterns of Behaviour: Types

Lecture 16 - Dynamics of Positive Feedback systems

Lecture 17 - Doubling Time in Positive Feedback systems

Lecture 18 - Introduction to Modeling using Vensim software

Lecture 19 - Dynamics of Negative Feedback system: Introduction

Lecture 20 - Dynamics of Negative Feedback System: Modelling in Vensim

Lecture 21 - Negative Feedback Loop: Analytical equation

Lecture 22 - Dynamics of Negative Feedback System: Extension of Model

Lecture 23 - Zero-Value Goal system, Positive and Negative Loop Systems

Lecture 24 - Dynamic of Simple Structures: S-Shaped Growth limited by Capacity

Lecture 25 - Dynamic of Simple Structures: S-Shaped Growth- Conversion of CLD to SFD

Lecture 26 - Dynamic of Simple Structures: S-Shaped Growth- Customisation in Vensim

Lecture 27 - Dynamic of Simple Structures: Extension of model to include death rate

Lecture 28 - Dynamic of Simple Structures: Examples of systems exhibiting S-shaped growth

Lecture 29 - Dynamic of Simple Structures: Second Structure of S-Shaped Growth

Lecture 30 - Dynamic of Simple Structures: SFD of New Products

Lecture 31 - Diffusion Model and parameter estimation - I

Lecture 32 - Diffusion Model and parameter estimation - II

Lecture 33 - Bass Diffusion Model

Lecture 34 - Bass Diffusion Model (Continued...)

Lecture 35 - Modeling Delays: Material Delay

Lecture 36 - Modeling Delays: Graphical Representation

Lecture 37 - Modeling Delays: Higher order Material Delay

Lecture 38 - Delays: Information Delay

Lecture 39 - Delays: Modeling Information Delay

Lecture 40 - Delays: Higher Order Information Delay

Lecture 41 - Second Order Systems: Romeo and Juliet Model

Lecture 42 - Second Order Systems: The Red and the Black, Gone with the Wind

Lecture 43 - Modeling Oscillations - Part I

Lecture 44 - Modeling Oscillations - Part II

Lecture 45 - Modeling Non-linear Relations: Introduction

Lecture 46 - Modeling Non-linear Relations: Table or Lookup function

Lecture 47 - Formulation Non Linear Relationship Table Functions - Part I

Lecture 48 - Formulation Non Linear Relationship Table Functions - Part II

Lecture 49 - Stock Management Structure - Part I

Lecture 50 - Stock Management Structure - Part II

Lecture 51 - Supply Chain Models - I

Lecture 52 - Supply Chain Models - II

Lecture 53 - Supply Chain Models - III

Lecture 54 - Supply Chain Models - IV

Lecture 55 - Modeling Example: Societal Ageing

Lecture 56 - Testing System Dynamics Models: Introduction with Example 1

Lecture 57 - Testing System Dynamics Models: Example 2

Lecture 58 - Testing System Dynamics Models: Example 3

Lecture 59 - Model Validation and Policy design

Lecture 60 - Sensitivity analysis and policy analysis

Lecture 61 - Modeling Example

Lecture 62 - System Archetypes

Lecture 63 - Course Wrap-up

NPTEL : NOC:Bandit Algorithm (Online Machine Learning) (Management)

Co-ordinators : Prof. Manjesh Hanawal

Lecture 1 - Introduction to Online Learning - I

Lecture 2 - Introduction to Online Learning - II

Lecture 3 - Basics of Statistical Learning

Lecture 4 - Empirical risk minimization

Lecture 5 - Consistency Halving algorithm

Lecture 6 - Online Learnability

Lecture 7 - Standard Optimal Algorithm

Lecture 8 - Classification in unrealizability case

Lecture 9 - Covers Impossibility Result

Lecture 10 - Weighted Majority

Lecture 11 - Proof Weighted Majority

Lecture 12 - Full Information vs Bandit Setting

Lecture 13 - Adversarial Bandit Setting

Lecture 14 - Exponential Weights for Exploration and Exploitation Algorithm

Lecture 15 - Regret Bound of Exp3

Lecture 16 - Regret Bound of Exp3 (Continued...)

Lecture 17 - Exp3.P and Exp3.IX

Lecture 18 - Online Convex Optimisation

Lecture 19 - Follow the Leader (FTL) Algorithm

Lecture 20 - Follow the Regularized Leader

Lecture 21 - Online Gradient Descent

Lecture 22 - Strongly Convex Function

Lecture 23 - FoReL with Strongly Convex Regulariser

Lecture 24 - FoReL with Strongly Convex Regulariser (Continued...)

Lecture 25 - Euclidean and Entropy Regularizer

Lecture 26 - Introduction to Stochastic Bandits

Lecture 27 - Concentration Inequalities

Lecture 28 - Subgaussian Random Variable

Lecture 29 - Regret Definition and Regret Decomposition

Lecture 30 - Explore and Commit (ETC) Algorithm

Lecture 31 - Regret Analysis and ETC

Lecture 32 - Optimism in the Face of Uncertainty

Lecture 33 - Upper Confidence Bound Algorithm

Lecture 34 - Regret Analysis of UCB

Lecture 35 - Problem Dependent and Independent Bounds of UCB

Lecture 36 - KL-UCB Algorithm

Lecture 37 - Thompson Sampling - Brief Discussion

Lecture 38 - Proof Idea of Lower Bounds - 1

Lecture 39 - Proof Idea of Lower Bounds - 2

Lecture 40 - Proof of Lower Bound - 1

Lecture 41 - Proof of Lower Bound - 2

Lecture 42 - Stochastic Contextual Bandits

Lecture 43 - Introduction to Stochastic Linear Bandits

Lecture 44 - Stochastic Linear Bandits

Lecture 45 - Regret Analysis of SLB - I

Lecture 46 - Regret Analysis of SLB - II

Lecture 47 - Regret Analysis of SLB - III

Lecture 48 - Construction of Confidence Ellipsoids - I

Lecture 49 - Construction of Confidence Ellipsoids - II

Lecture 50 - Adversarial Contextual Bandits - I

Lecture 51 - Adversarial Contextual Bandits - II

Lecture 52 - Exp4 Algorithm

Lecture 53 - Regret of Exp4

Lecture 54 - Adversarial Linear Bandits

Lecture 55 - Exp3 for Adversarial Linear Bandits

Lecture 56 - Introduction to Pure Exploration and its lower bounds

Lecture 57 - Uniform Exploration

Lecture 58 - KL-LUCB

Lecture 59 - Lilâ€™ UCB

Lecture 60 - Lower Bound for Pure Exploration Problem

NPTEL : NOC:Organization Development and Change in 21st Century (Management)

Co-ordinators : Prof. Ashish Pandey

Lecture 1 - Introduction: Management of Change

Lecture 2 - Coping with Change and Transient Competitive Advantage

Lecture 3 - Sustainable Development, OD and Management of Change

Lecture 4 - Social Entrepreneurship

Lecture 5 - Comparison of Various Planned Change Models

Lecture 6 - Diagnostic for Organization Development and Change

Lecture 7 - Steps in Successful Organizational Change

Lecture 8 - Design of Effective Interventions and their prerequisites

Lecture 9 - Individual Level OD Interventions: A Rationale

Lecture 10 - Different kinds of Individual level OD Interventions

Lecture 11 - Group or Team Level OD Interventions

Lecture 12 - Design of Specific Interventions to Tackle Different Challenges of Different Teams

Lecture 13 - Organization Level OD Interventions

Lecture 14 - Discussion on various large group Interventions

Lecture 15 - Appreciative Inquiry - â€˜Positiveâ€™ Turn of OD

Lecture 16 - Managing OD and Change through Restructuring Organizations

Lecture 17 - Different Types of Organization Designs

Lecture 18 - New Forms of Organization Design

Lecture 19 - Change in the Organization Design

Lecture 20 - Change in Organization Culture

Lecture 21 - Can Organization Culture be Managed?: A Case Analysis

Lecture 22 - Organization Development in Digital Transformation

Lecture 23 - Mergers and Acquisitions - A Special Case of OD

Lecture 24 - Stages of Mergers and Acquisitions: A Case Study

Lecture 25 - Transorganizational OD Intervention

Lecture 26 - OD Interventions through Human Resource Functions

Lecture 27 - Talent Management as OD Intervention

Lecture 28 - Organization Learning - Relevance and Possibility

Lecture 29 - Learning Organization - Experimentation, Knowledge Management and Innovation

Lecture 30 - Organizational Development - Cultural and Economic Contexts

Lecture 31 - Organization Development - Global and Trans-organizational Setting

Lecture 32 - Organizational Development in the Entrepreneurial Firms

Lecture 33 - OD Interventions in Family Owned Entrepreneurial Firms

Lecture 34 - Organizational Development in the Not for Profit Organizations (NPOs) and Social Enterprises (SEs)

Lecture 35 - Organizational Development in Non-Industrial Settings

Lecture 36 - Organizational Development in Educational Institutions

NPTEL : NOC:Managerial Economics (Management)

Co-ordinators : Prof. Trupti Mishra

Lecture 1 - Introduction to Economics and Managerial Economics

Lecture 2 - Introduction to the Managerial Economics- Economics and Managerial economics, Review of Economic Terms and Economic Rationality

Lecture 3 - Introduction to the Managerial Economics- Opportunity Cost, Measuring and Maximizing Profit

Lecture 4 - Introduction to the Managerial Economics- Understanding Incentive and Marginal Analysis

Lecture 5 - Introduction to the Managerial Economics- Marginal and Incremental Analysis, Model of an Economy

Lecture 6 - Basic Tools of Economic Analysis and Optimization Techniques- Functional relationship between economic variables, Important Economic functions

Lecture 7 - Basic Tools of Economic Analysis and Optimization Techniques- Important Economic Function (Continued...)

Lecture 8 - Basic Tools of Economic Analysis and Optimization Techniques- Slope and its use in Economic Analysis, Derivatives of various functions

Lecture 9 - Basic Tools of Economic Analysis and Optimization Techniques- Derivative of various functions

Lecture 10 - Basic Tools of Economic Analysis and Optimization Techniques- Optimization Technique

Lecture 11 - Basic Tools of Economic Analysis and Optimization Techniques- Constrained optimization

Lecture 12 - Basic Tools of Economic Analysis and Optimization Techniques- Regression Technique

Lecture 13 - Basic Tools of Economic Analysis and Optimization Techniques- Regression Technique (Continued...)

Lecture 14 - Basic Tools of Economic Analysis and Optimization Techniques- Ordinary Least Square (OLS) method

Lecture 15 - Theory of Demand- Defining Demand, Law of Demand

Lecture 16 - Theory of Demand- Demand Schedule/Demand Curve/ Demand Function, Factors affecting Demand, Market Demand

Lecture 17 - Theory of Demand- Change in Demand Curve, Supply/ Law of Supply, Factors affecting Supply

Lecture 18 - Theory of Demand- Change/Shift in the Supply, Market Equilibrium, Change in Equilibrium

Lecture 19 - Theory of Demand- A Shift in both Supply and Demand, Elasticity of Demand, Types of Elasticity of Demand

Lecture 20 - Theory of Demand- Price elasticity of demand, Degree of price elasticity of demand, Elasticity and revenue, Factors influencing price elasticity of demand

Lecture 21 - Theory of Demand- Income Elasticity of Demand, Cross-Price Elasticity of Demand, Advertising Elasticity of Demand

Lecture 22 - Theory of Demand- Numerical for each Elasticity of Demand

Lecture 23 - Consumer Behaviour- Consumer Preferences, Utility Analysis (Total and Marginal Utility)

Lecture 24 - Consumer Behaviour- Numerical for Utility analysis, Law of Diminishing Marginal Utility, Indifference Curve Analysis

Lecture 25 - Consumer Behaviour- Budget line and Consumer equilibrium, Law of Equi-Marginal utility

Lecture 26 - Consumer Behaviour- Price, Income and Substitution Effects, Consumer Surplus

Lecture 27 - Elasticity of Supply- Numerical example to understand Consumer Surplus, Elasticity of Supply

Lecture 28 - Elasticity of Supply- Impact of Tax on Price and Quantity, Price fixed by Law

Lecture 29 - Demand Forecasting

Lecture 30 - Methods of Demand Forecasting- Subjective methods of demand forecasting

Lecture 31 - Demand Forecasting-Quantitative method of Demand forecasting

Lecture 32 - Demand Forecasting- Quantitative method of Demand forecasting (Continued...)

Lecture 33 - Theory of Production- Introduction

Lecture 34 - Theory of Production- Law of Diminishing Return

Lecture 35 - Theory of Production- long Run Production Analysis, Return to Scale, Isoquants

Lecture 36 - Theory of Production- Isocost, Optimal Combination of Inputs, Expansion path, Economic Region of Production

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

Lecture 39 - Theory of Cost- Cost of Production, Types of Cost: Accounting/Economic Analysis

Lecture 40 - Theory of Cost- Cost-Output Relationship, Short run cost Analysis

Lecture 41 - Long Run Cost Analysis

Lecture 42 - Long-Run Marginal Cost Curve

Lecture 43 - Theory of Cost: Breakeven Analysis and Contribution Analysis

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

Lecture 48 - Theory of Market: Introduction

Lecture 49 - Theory of Market: Perfect Competition

Lecture 50 - Theory of Market: Short-run Profit Maximization under Perfect Competition

Lecture 51 - Theory of Market: Short-run Market Supply and Firm Supply under Perfect Competition

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

Lecture 54 - Theory of Market: Types of Monopoly

Lecture 55 - Theory of Market: Supply Curve of Monopoly Firm

Lecture 56 - Theory of Market: Effect of shift of Cost in case of Monopoly

Lecture 57 - Theory of Market: Social cost of Monopoly Power

Lecture 58 - Theory of Market: Regulation of Monopoly Power and Monopsony

Lecture 59 - Theory of Market: Bilateral Monopoly

Lecture 60 - Theory of Market: Monopolistic Competition

Lecture 61 - Theory of Market: Monopolistic Competition- Non-Price Competition and Introduction to Oligopoly

Lecture 62 - Theory of Market: Characteristics of Oligopoly Market

Lecture 63 - Theory of Market: Oligopoly Market (Continued...)

Lecture 64 - Theory of Market: Oligopoly Market- Stackelbergâ€™s Model

Lecture 65 - Theory of Market: Collusive Oligopoly

Lecture 66 - Theory of Market: Collusive Oligopoly (Continued...)

Lecture 67 - Theory of Market: Collusive Oligopoly (Continued...)

Lecture 68 - Theory of Market: Collusive Oligopoly-Price Leadership Model

Lecture 69 - Oligopoly and Game Theory

Lecture 70 - Oligopoly and Game Theory (Continued...)

Lecture 71 - Oligopoly and Game Theory- Nash Equilibrium

Lecture 72 - Oligopoly and Game Theory â€“ The Prisonerâ€™s Dilemma and Types of Games

Lecture 73 - Applications of Game Theory in Economics

Lecture 74 - Product pricing- Price Discrimination

Lecture 75 - Product pricing- Price Discrimination (Continued...)

Lecture 76 - Types of Product pricing

Lecture 77 - Types of Product pricing (Continued...1)

Lecture 78 - Types of Product pricing (Continued...2)

Lecture 79 - Types of Product pricing (Continued...3)

Lecture 80 - Summary of Course

NPTEL : NOC:Quality Control and Improvement with MINITAB (Management)

Co-ordinators : Prof. Indrajit Mukherjee

Lecture 1 - Introduction of Quality

Lecture 2 - Voice of the Customer and Kano Model

Lecture 3 - Quality Function Deployment

Lecture 4 - Critical to Quality Characteristics

Lecture 5 - Data Visualization for Quality Control and Improvement

Lecture 6 - Importance of Pareto Chart and Cause and Effect Diagram

Lecture 7 - Design Failure Mode and Effect Analysis

Lecture 8 - Introduction to Statistical Process Control

Lecture 9 - X-bar and R Chart

Lecture 10 - X-bar and S Chart

Lecture 11 - Individual Moving Range Chart and Attribute Chart

Lecture 12 - Attribute Control Charts and Process Capability

Lecture 13 - Process Capability Index

Lecture 14 - Process Performance and Sigma Level

Lecture 15 - Process Capability for Attribute data

Lecture 16 - Basic Statistics and Confidence Interval

Lecture 17 - Hypothesis Testing

Lecture 18 - One-sample t Test

Lecture 19 - Two-sample t Test

Lecture 20 - Paired t Test and ANOVA

Lecture 21 - One-way ANOVA

Lecture 22 - One-way ANOVA (Continued...)

Lecture 23 - ANCOVA and Nonparametric Test

Lecture 24 - Linear Regression

Lecture 25 - Linear Regression (Continued...) and Multiple Regression

Lecture 26 - Best Subset Regression, Multicollinearity

Lecture 27 - Multicollinearity, Best Subset Regression, Multiple Regression, Basics on Design of Experiment

Lecture 28 - Design of Experiment, One-factor-at-a-time experiment

Lecture 29 - Two-factor asymmetric Design, Symmetric Factorial Design, Two-way ANOVA

Lecture 30 - Two-factor symmetric Design, Robust setting, Two-way ANOVA

Lecture 31 - Measurement System Analysis

Lecture 32 - Measurement System Analysis (Continued...)

Lecture 33 - Measurement System Analysis (Continued...), Introduction to Factorial Experiments

Lecture 34 - Factorial Experiments

Lecture 35 - Factorial Experiments (Continued...)

Lecture 36 - Factorial Experiments (Continued...)

Lecture 37 - Blocking in Factorial Design.

Lecture 38 - Multiple response Optimization and RSM

Lecture 39 - Fractional Factorial Design

Lecture 40 - Taguchi Method

NPTEL : NOC:Business and Sustainable Development (Management)

Co-ordinators : Prof. Trupti Mishra

Lecture 1 - Introduction to Sustainable Development and Sustainability

Lecture 2 - Evolution of Sustainable Development

Lecture 3 - Importance of Sustainability

Lecture 4 - Sustainability - A mega trend

Lecture 5 - Environment, Human and Economy

Lecture 6 - Robert Solowâ€™s Conceptualization of Sustainability

Lecture 7 - Introduction to Firmâ€™s Response

Lecture 8 - Sustainable Products

Lecture 9 - Cleaner Production

Lecture 10 - Cleaner Production Illustrations

Lecture 11 - Life Cycle Assessment

Lecture 12 - Understanding LCA Through Examples

Lecture 13 - Design for Environment

Lecture 14 - Sustainability Reporting

Lecture 15 - Current Status of ESG in Indian Companies

Lecture 16 - Corporate Strategy

Lecture 17 - Competitive Environment Strategies

Lecture 18 - Eco-Branding

Lecture 19 - Competitive Environmental Strategy Matrix

Lecture 20 - CSR and Social Sustainability

Lecture 21 - Sustainable Development Goal (SDG)

Lecture 22 - Sustainability Standards

Lecture 23 - Sustainability Standards

Lecture 24 - Green Supply Chain

Lecture 25 - Examples of Green Supply Chain

Lecture 26 - Environmental Regulations and Policy Instruments

Lecture 27 - Market based instruments in India

Lecture 28 - Environmental Laws and Disclosure Regulations

Lecture 29 - Risks and Opportunities

Lecture 30 - Sustainable financial product and services

Lecture 31 - Sustainable Value Framework

Lecture 32 - Course Summary

NPTEL : NOC:Advances in Strategic Human Resource Management (Management)

Co-ordinators : Prof. Ashish Pandey

Lecture 1 - The Evolution and Role of HR Function

Lecture 2 - Evolution and Nature of Strategic Human Resource Management

Lecture 3 - Contributions of and Trends in HR Function

Lecture 4 - Measuring Effectiveness of HR Function

Lecture 5 - Competence Maturity Model and People Competence Maturity Model

Lecture 6 - Organizational Healing: An Introduction

Lecture 7 - Working with Remote Teams

Lecture 8 - Restoring Social and Psychological Well-being

Lecture 9 - Employee Assistance Program

Lecture 10 - Talent Management: An Introduction

Lecture 11 - Potential Matrix: A Tool for Talent Management

Lecture 12 - HR Digitization for Talent Management

Lecture 13 - Positive Employee Relation: The Introduction

Lecture 14 - Positive Work Practices in Organization

Lecture 15 - Humanistic Management Model

Lecture 16 - Link of Humanistic Model and HR Processes

Lecture 17 - Process to make organization great place to work

Lecture 18 - Diversity Management: The Introduction

Lecture 19 - Significance of a Diverse and Inclusive Workplace

Lecture 20 - Significance of a Diverse and Inclusive Workplace

Lecture 21 - Biases in Organization and Ways of their Resolution

Lecture 22 - Intergenerational Relationships in Organization: The Introduction

Lecture 23 - Classifications of Generations at Workforce

Lecture 24 - Types and Attributes of Generations at Workplace

Lecture 25 - Ways of Synergizing Across Generations

Lecture 26 - Ways of enhancing Intergeneration Synergy

Lecture 27 - Intergenerational Relationships in Organization: The Introduction

Lecture 28 - Classifications of Generations at Workforce

Lecture 29 - Types and Attributes of Generations at Workplace

Lecture 30 - Ways of Synergizing Across Generations

Lecture 31 - Intergenerational Relationships in Organization: The Introduction

Lecture 32 - Classifications of Generations at Workforce

Lecture 33 - Types and Attributes of Generations at Workplace

Lecture 34 - Ways of Synergizing Across Generations

Lecture 35 - Role and Challenges of Sustainable HRM

Lecture 36 - Contribution of HRM in Corporate Sustainability and Corporate Social Responsibility

Lecture 37 - Ways to integrate Corporate Sustainability and Corporate Social Responsibility with HRM

Lecture 38 - Important HR Metrics and Ratios in HRM Function

Lecture 39 - HR Analytics explained through Case Examples

Lecture 40 - Tools for Effective Decision Making and Factors for Success in Future at Work

NPTEL : NOC:Yoga and Positive Psychology for Managing Career and Life (Management)

Co-ordinators : Prof. Ashish Pandey

Lecture 1 - Why the Course on Managing Self and Career

Lecture 2 - Present Context of Professional Work

Lecture 3 - State of Wellbeing of Indian Youth

Lecture 4 - Link between Self-Management and Career Management

Lecture 5 - Journey of Positive Psychology

Lecture 6 - Can there be a Universal Positive Psychology ?

Lecture 7 - Difference in Good Life and Life Satisfaction

Lecture 8 - Why Yoga with Positive Psychology ?

Lecture 9 - Genesis of this Course

Lecture 10 - Using Stories to Understand Optimal Experiences

Lecture 11 - Fundamental Questions in Positive Psychology

Lecture 12 - What Positive Psychology is Not

Lecture 13 - Positive-Negative Dialects of Well-Being

Lecture 14 - Positive Psychology: The Second Wave

Lecture 15 - Positivity and Human Potential in Yogic Traditions

Lecture 16 - Holistic Life Goals

Lecture 17 - Embracing Emotions and Positive Behavior

Lecture 18 - Discovering Dharma

Lecture 19 - Distinction with Negative Human Potential

Lecture 20 - Positive Events: 16 Sanskaras

Lecture 21 - Four Ashrams or Stations in Life

Lecture 22 - Yagna - Positive Event

Lecture 23 - Positive Institutions

Lecture 24 - Family - A Positive Institution

Lecture 25 - Yoga and Governance

Lecture 26 - Positive Governance

Lecture 27 - Macro and Micro Integration in Yogic Perspective

Lecture 28 - Self and Society

Lecture 29 - Point for Action and Reflection

Lecture 30 - Health and Wellbeing

Lecture 31 - How does wellbeing affect life ?

Lecture 32 - Yogic Perspectives of Health and Wellbeing

Lecture 33 - Doshas

Lecture 34 - Mind-body Complex

Lecture 35 - Diseases in Yogic Perspective

Lecture 36 - Panch Kosha or Five Layers of Self

Lecture 37 - Managing Mind

Lecture 38 - Factors to Enhance Well-being

Lecture 39 - Self-Realization - The Ultimate Joy

Lecture 40 - What is the Indian Worldview ?

Lecture 41 - Ways of Attaining Well-Being

Lecture 42 - TattvaBodh and Wisdom

Lecture 43 - Indriyajaya or Self-Control

Lecture 44 - Indriyajaya in Positive Psychology

Lecture 45 - Dharmic Drishti (Vision)

Lecture 46 - Dharmic Desires and Pursuits

Lecture 47 - Dharmahkriya in Positive Psychology

Lecture 48 - Sukhayu-Hitayu

Lecture 49 - DharmahKriya, Sukhayu-Hitayu and Career Success ?

Lecture 50 - What is our real nature ?

Lecture 51 - How the Mind Works: A Yogic Perspective

Lecture 52 - Obstacles in Attaining Wellbeing

Lecture 53 - Reflection on Functioning of the Mind

Lecture 54 - How to avoid Klisht Vrittis ?

Lecture 55 - Crossing Obstacles to Well-Being

Lecture 56 - Six Inner Treasures

Lecture 57 - How are the Six Inner Treasures Valuable

Lecture 58 - Mental, Vital and Physical Consciousness

Lecture 59 - Major Forms of Yoga in Indian Tradition

Lecture 60 - Ashtanga Yoga or Raj Yoga

Lecture 61 - Yoga for Panch Koshas

Lecture 62 - Three Pillars of Health

Lecture 63 - Spiritual Significance of Food

Lecture 64 - Eight Factors about Food

Lecture 65 - Seasons with Revolving Sun and Impact on Physiology

Lecture 66 - Contemporary Knowledge about Food and Mental Health

Lecture 67 - Food and Activities during the Cycle of the Day

Lecture 68 - Yogasanas to Integrate Body and Emotions

Lecture 69 - Interoception, Asanas and Well-Being

Lecture 70 - Characteristics of Asanas

Lecture 71 - Process for Moving into Posture

Lecture 72 - Asanas for Different Body Constitution

Lecture 73 - Notes on Pranayama

Lecture 74 - Contemporary Evidences of Prana

Lecture 75 - Prana Vayu, Nadi System and Chakras

Lecture 76 - Pranayama Practices and Conscious Breathing

Lecture 77 - Process and Benefits of Diaphragmatic Breathing

Lecture 78 - Guidelines for Pranayama

Lecture 79 - Nadi Shodhana Pranayama (Alternate Nostril Breathing)

Lecture 80 - Tranquilizing Pranayamas

Lecture 81 - Organizational Suffering and Dysfunctional Behaviors

Lecture 82 - Introduction to Pratyahara

Lecture 83 - Indriya-Pratyahara: Control of the Senses

Lecture 84 - Methods of Pratyahara

Lecture 85 - Understanding Emotional Intelligence

Lecture 86 - Emotional Intelligence and its Relation to Everyday Behavior

Lecture 87 - How Yoga Helps in Emotional Balance

Lecture 88 - Positive and Negative Emotions

Lecture 89 - Dealing with Negative Emotions

Lecture 90 - How Yoga Helps in Equanimity of Mind

Lecture 91 - What are the 7 Stages of Wisdom

Lecture 92 - What Yoga does for Balancing Emotions and Cognitions

Lecture 93 - How Yoga Impacts Student's Performance: Empirical Studies

NPTEL : NOC:Business Fundamentals for Entrepreneurs (Part 1: Internal Operation) (Management)

Co-ordinators : Prof. Devdip Purkayastha

Lecture 1 - Module 1 - Part 1

Lecture 2 - Module 1 - Part 2

Lecture 3 - Module 2 - Part 1

Lecture 4 - Module 2 - Part 2

Lecture 5 - Module 3 - Part 1

Lecture 6 - Module 3 - Part 2

Lecture 7 - Module 3 - Part 3

Lecture 8 - Module 4 - Part 1

Lecture 9 - Module 4 - Part 2

Lecture 10 - Module 5 - Part 1

Lecture 11 - Module 5 - Part 2

Lecture 12 - Module 6 - Part 1

Lecture 13 - Module 6 - Part 2

Lecture 14 - Module 7 - Part 1

Lecture 15 - Module 7 - Part 2

Lecture 16 - Module 8 - Part 1

Lecture 17 - Module 8 - Part 2

Lecture 18 - Module 9 - Part 1

Lecture 19 - Module 9 - Part 2

Lecture 20 - Module 10

NPTEL : NOC:Supply Chain Digitization (Management)

Co-ordinators : Prof. Priyanka Verma, Prof. Sushmita Narayana, Prof. Debabrata Das

Lecture 1 - Introduction of Supply Chain Management

Lecture 2 - Fundamentals of Supply Chain Management

Lecture 3 - Supply Chain Drivers

Lecture 4 - Supply Chain Processes - I

Lecture 5 - Supply Chain Processes - II

Lecture 6 - Supply Chain Challenges

Lecture 7 - Need/Strategies

Lecture 8 - Push Vs Pull

Lecture 9 - Case Study on Product Segmentation

Lecture 10 - Case Study on Inventory Segmentation

Lecture 11 - Link between Corporate and Supply Chain Strategy

Lecture 12 - Interface between Operations and Finance

Lecture 13 - Procurement Strategy (Make Vs Buy)

Lecture 14 - Procurement Strategy (Kraljic Matrix) - I and II

Lecture 15 - Procurement Strategy (Kraljic Matrix) - I and II

Lecture 16 - Introduction to Platform Economy

Lecture 17 - Introduction to Platform Economy - Example

Lecture 18 - Introduction to Channel Structures and Supply Chain Coordination

Lecture 19 - Newsvendor Case Example (Deterministic Setting) - I and II

Lecture 20 - Newsvendor Case Example (Deterministic Setting) - I and II

Lecture 21 - Newsvendor Case (Probabilistic Setting and Contracts) - I and II

Lecture 22 - Newsvendor Case (Probabilistic Setting and Contracts) - I and II

Lecture 23 - Channel Structure Designs in Supply Chains (Brick and Mortar)

Lecture 24 - Channel Structure Designs in Supply Chains (Dual Channels)

Lecture 25 - Channel Structure Designs in Supply Chains (Multi and Omni Channels)

Lecture 26 - Introduction to Analytics and Big Data

Lecture 27 - Different Types of Analytics and its Applications in Supply Chain Management

Lecture 28 - Predictive Analytics: Case Study on Predictive Maintenance

Lecture 29 - Predictive Analytics: Classification Tree Model

Lecture 30 - Predictive Analytics: Building Classification Tree Model using Python

Lecture 31 - Role of AI/ML in Forecasting and Demand Analytics

Lecture 32 - Demand Forecasting using AI/ML: A Case Study

Lecture 33 - Demand Forecasting using AI/ML: Regression Tree Model

Lecture 34 - Demand Forecasting using AI/ML: Building Regression Tree Model using Python

Lecture 35 - Demand Forecasting using AI/ML: Random Forest Regression Model

Lecture 36 - Supply Chain Network Optimization: Break even analysis

Lecture 37 - Supply Chain Network Optimization: Facility location using Centre of Gravity

Lecture 38 - Supply Chain Network Optimization: Case on Capacitated Plant Location Model

Lecture 39 - Case on Supply Chain Network Design - I

Lecture 40 - Case on Supply Chain Network Design - II

Lecture 41 - Location of Distribution Centers using Clustering Technique: A Case Study

Lecture 42 - Steps of building K-Means Clustering Algorithm: A Case Study

Lecture 43 - Location of Distribution Centers: Building K-Means Clustering Model using Python

Lecture 44 - Measuring Efficiency of Manufacturing Facilities: A DEA Model - I

Lecture 45 - Measuring Efficiency of Manufacturing Facilities: A DEA Model - II

Lecture 46 - Role of Product Tracking and Traceability

Lecture 47 - Track and Trace Systems - I and II

Lecture 48 - Track and Trace Systems - I and II

Lecture 49 - ERP, WMS and TMS - I and II

Lecture 50 - ERP, WMS and TMS - I and II

Lecture 51 - Introduction to Supply Chain Digital Twin

Lecture 52 - Supply Chain Digital Twin: Greenfield Analysis - A Case Study - I

Lecture 53 - Supply Chain Digital Twin: Greenfield Analysis - A Case Study - II

Lecture 54 - Supply Chain Digital Twin: Network Optimization - A Case Study

Lecture 55 - Network Optimization with Capacity Constraints and Control Tower

Lecture 56 - Digital Infrastructure for Supply Chains: Industry 4.0

Lecture 57 - Industry 4.0 - IIoT, Cloud Computing, Horizontal and Vertical System Integration

Lecture 58 - Industry 4.0 - Cybersecurity, Big Data Analytics, Simulation, AR, Robots, AM

Lecture 59 - Blockchain

Lecture 60 - Supply Chain and Industry 4.0

NPTEL : NOC:Business Forecasting (Management)

Co-ordinators : Prof. Pankaj Dutta

Lecture 1 - Introduction to Business Forecasting

Lecture 2 - Data Driven Decision Making and Essentials of Predictive Analytics

Lecture 3 - Data Driven Decision Making and Essentials of Predictive Analytics

Lecture 4 - Types of Forecasting: Qualitative Approaches and Quantitative Approaches

Lecture 5 - Components of a Time Series and Measures of Forecast Accuracy

Lecture 6 - Components of a Time Series and Measures of Forecast Accuracy

Lecture 7 - Moving Average Methods: Simple, Weighted, and Exponential Moving Average

Lecture 8 - Moving Average Methods: Simple, Weighted, and Exponential Moving Average

Lecture 9 - Exponential Smoothing

Lecture 10 - Trend Projections and Holt Model

Lecture 11 - Simple Linear Regression and Measure of Goodness and Standard Error

Lecture 12 - Simple Linear Regression and Measure of Goodness and Standard Error

Lecture 13 - Simple Linear Regression and Measure of Goodness and Standard Error

Lecture 14 - Multiple Linear Regression and Multicollinearity

Lecture 15 - Multiple Linear Regression and Multicollinearity

Lecture 16 - Multiple Linear Regression and Multicollinearity

Lecture 17 - Seasonality, Seasonal Index, and Quarterly Average Method

Lecture 18 - Seasonality, Seasonal Index, and Quarterly Average Method

Lecture 19 - Seasonality and Trend: Winter's Holt Method

Lecture 20 - Seasonality and Trend: Winter's Holt Method

Lecture 21 - Multiplicative Decomposition Method

Lecture 22 - Autocorrelation Function (ACF) and Partial Autocorrelation Function (PACF)

Lecture 23 - ARIMA: Auto-Regressive (AR) Process

Lecture 24 - ARIMA: Moving Average (MA) Process

Lecture 25 - ARIMA: Auto-Regressive Moving Average (ARMA) Process

Lecture 26 - Auto-Regressive Integrated Moving Average (ARIMA) Model

Lecture 27 - Introduction to Machine Learning

Lecture 28 - Introduction to Machine Learning

Lecture 29 - Logistic Regression

Lecture 30 - Logistic Regression

Lecture 31 - Human Judgment in Time Series Analysis

Lecture 32 - Monte Carlo Simulation: Discrete Case

Lecture 33 - Monte Carlo Simulation: Discrete Case

Lecture 34 - Monte Carlo Simulation: Continuous case

Lecture 35 - System Dynamics (Additional Learning)

Lecture 36 - Predictive Analytics using @Risk Software

Lecture 37 - Predictive Analytics using @Risk Software

Lecture 38 - Predictive Analytics using @Risk Software

NPTEL : NOC:Business Fundamentals for Entrepreneurs (Part 2: External Operation) (Management)

Co-ordinators : Prof. Devdip Purkayastha

Lecture 1 - Market Research - Part 1

Lecture 2 - Market Research - Part 2

Lecture 3 - Customers and Segments - Part 1

Lecture 4 - Customers and Segments - Part 2

Lecture 5 - Value Based Marketing - Part 1

Lecture 6 - Value Based Marketing - Part 2

Lecture 7 - Marketing Communication - Part 1

Lecture 8 - Marketing Communication - Part 2

Lecture 9 - Sales Channels and Distribution - Part 1

Lecture 10 - Sales Channels and Distribution - Part 2

Lecture 11 - B2B and B2C Selling - Part 1

Lecture 12 - B2B and B2C Selling - Part 2

Lecture 13 - Customer Service Management - Part 1

Lecture 14 - Customer Service Management - Part 2

Lecture 15 - Supply Chain Management - Part 1

Lecture 16 - Supply Chain Management - Part 2

Lecture 17 - Quadrangle of Success

NPTEL : NOC:Business Fundamentals for Entrepreneurs (Management)

Co-ordinators : Prof. Devdip Purkayastha

Lecture 1 - Overview of a Business ? - Part 1

Lecture 2 - Overview of a Business ? - Part 2

Lecture 3 - Company and Structures - Part 1

Lecture 4 - Company and Structures - Part 2

Lecture 5 - Vision, Mission, Goals, Strategy and Culture - Part 1

Lecture 6 - Vision, Mission, Goals, Strategy and Culture - Part 2

Lecture 7 - Vision, Mission, Goals, Strategy and Culture - Part 3

Lecture 8 - Innovation and Product Development - Part 1

Lecture 9 - Innovation and Product Development - Part 2

Lecture 10 - Manufacturing and Quality - Part 1

Lecture 11 - Manufacturing and Quality - Part 2

Lecture 12 - Finance and Accounting - Part 1

Lecture 13 - Finance and Accounting - Part 2

Lecture 14 - Leadership and Human Resources - Part 1

Lecture 15 - Leadership and Human Resources - Part 2

Lecture 16 - Environment, Society and Governance - Part 1

Lecture 17 - Environment, Society and Governance - Part 2

Lecture 18 - Market Research - Part 1

Lecture 19 - Market Research - Part 2

Lecture 20 - Customers and Segments - Part 1

Lecture 21 - Customers and Segments - Part 2

Lecture 22 - Value Based Marketing - Part 1

Lecture 23 - Value Based Marketing - Part 2

Lecture 24 - Marketing Communication - Part 1

Lecture 25 - Marketing Communication - Part 2

Lecture 26 - Sales Channels and Distribution - Part 1

Lecture 27 - Sales Channels and Distribution - Part 2

Lecture 28 - B2B and B2C Sales - Part 1

Lecture 29 - B2B and B2C Sales - Part 2

Lecture 30 - Customer Service Management - Part 1

Lecture 31 - Customer Service Management - Part 2

Lecture 32 - Supply Chain and Logistics - Part 1

Lecture 33 - Supply Chain and Logistics - Part 2

Lecture 34 - Business Risk and Management - Part 1

Lecture 35 - Business Risk and Management - Part 2

Lecture 36 - Business Information and Management - Part 1

Lecture 37 - Business Information and Management - Part 2

Lecture 38 - Business Types and Models - Part 1

Lecture 39 - Business Types and Models - Part 2

Lecture 40 - Social Business Development - Part 1

Lecture 41 - Social Business Development - Part 2

Lecture 42 - Starting up a New Technology Venture - Part 1

Lecture 43 - Starting up a New Technology Venture - Part 2

Lecture 44 - Starting up a New Technology Venture - Part 3

Lecture 45 - Starting up a New Social Venture - Part 1

Lecture 46 - Starting up a New Social Venture - Part 2

Lecture 47 - Business Case Discussion - Part 1

Lecture 48 - Business Case Discussion - Part 2

Lecture 49 - Course Recap and Wrap Up

Lecture 50 - Bonus Module: The Quadrangle of Success

NPTEL : Organisation Management (Management)

Co-ordinators : Prof. Vinayshil Gautam

Lecture 1 - Introduction to Organization Management,Nature, Scope and Complexity

Lecture 2 - Longitudinal thinking and legacy factor:Organizational Growth

Lecture 3 - Longitudinal thinking and legacy factor:Organizational Growth (Continued...)

Lecture 4 - Longitudinal thinking and legacy factor:Organizational Growth (Continued...)

Lecture 5 - Theory and majors schools of Thought and Framework of Organizational Analysis

Lecture 6 - Theory and majors schools of thought and framework of organizational analysis (Continued...)

Lecture 7 - Theory and majors schools of thought and framework of organizational analysis (Continued...)

Lecture 8 - Systems contingency approach to organization theory and practice; techniques of organizational diagnosis

Lecture 9 - Systems contingency approach to organization theory and practice; techniques of organizational diagnosis (Continued...)

Lecture 10 - Systems contingency approach to organization theory and practice; techniques of organizational diagnosis (Continued...)

Lecture 11 - Theory of organizational structures - nature and consequence of structure

Lecture 12 - Theory of organizational structures - nature and consequence of structure (Continued...)

Lecture 13 - Socio-culture dimension of work and behavior

Lecture 14 - Socio-culture dimension of work and behavior (Continued...)

Lecture 15 - Socio-culture dimension of work and behavior (Continued...)

Lecture 16 - Impact of environment and cultural variables on organization structure & style

Lecture 17 - Impact of environment and cultural variables on organization structure & style (Continued...)

Lecture 18 - Impact of environment and cultural variables on organization structure & style (Continued...)

Lecture 19 - Organization Change and Organisation Development

Lecture 20 - Organization Change and Organisation Development (Continued...)

Lecture 21 - Intervention strategies for organization development - individual, Group and Interpersonal Interventions

Lecture 22 - Intervention strategies for organization development - individual, Group & interpersonal interventions (Continued...)

Lecture 23 - Intervention strategies for organization development - individual, Group & interpersonal interventions (Continued...)

Lecture 24 - Total System Intervention & Stabilizing Change Management by Objectives

Lecture 25 - Total System Intervention & Stabilizing Change Management by Objectives (Continued...)

Lecture 26 - Total System Intervention & Stabilizing Change Management by Objectives (Continued...)

Lecture 27 - Nature of Organisational Processes

Lecture 28 - Nature of Organisational Processes (Continued...)

Lecture 29 - Nature of Organisational Processes (Continued...)

Lecture 30 - Environmental analysis Techniques and impact for organizational growth

Lecture 31 - Environmental analysis Techniques and impact for organizational growth (Continued...)

Lecture 32 - Environmental analysis Techniques and impact for organizational growth (Continued...)

Lecture 33 - Issues of Mechnisation, Automation and Computerisation

Lecture 34 - Issues of Mechnisation, Automation and Computerisation (Continued...)

Lecture 35 - Organisation Interdependence

Lecture 36 - Organisation Interdependence (Continued...)

Lecture 37 - Organisation Interdependence (Continued...)

Lecture 38 - Organisation Evaluation

Lecture 39 - Organisation Evaluation (Continued...)

Lecture 40 - Organisation Evaluation (Continued...)

NPTEL : Organisation of Engineering Systems and Human Resources Management (Management)

Co-ordinators : Prof. Vinayshil Gautam

Lecture 1 - Introduction to the subject and the course

Lecture 2 - Understanding organizations: nature and functions

Lecture 3 - Understanding organizations: nature and functions (Continued...)

Lecture 4 - Concerns of organising engineering business and systems

Lecture 5 - Concerns of organising engineering business and systems (Continued...)

Lecture 6 - Concerns of organising engineering business and systems (Continued...)

Lecture 7 - Structure and process issues in running organisations

Lecture 8 - Structure and process issues in running organisations (Continued...)

Lecture 9 - Design issues in running organisations

Lecture 10 - Design issues in running organisations (Continued...)

Lecture 11 - Operating organizations

Lecture 12 - Operating organizations (Continued...)

Lecture 13 - Operating organizations (Continued...)

Lecture 14 - Cybernetics and systems framework

Lecture 15 - Cybernetics and systems framework (Continued...)

Lecture 16 - Socio-technical systems

Lecture 17 - Socio-technical systems (Continued...)

Lecture 18 - Socio-technical systems (Continued...)

Lecture 19 - Dealing with efficiency and excellence

Lecture 20 - Dealing with efficiency and excellence (Continued...)

Lecture 21 - Dealing with efficiency and excellence (Continued...)

Lecture 22 - Man-machine relationship

Lecture 23 - Man-machine relationship (Continued...)

Lecture 24 - Longitudinal Thinking

Lecture 25 - Longitudinal Thinking (Continued...)

Lecture 26 - Concerns of recruitment, selection, skill formation and redeployment

Lecture 27 - Concerns of recruitment, selection, skill formation and redeployment (Continued...)

Lecture 28 - Concerns of recruitment, selection, skill formation and redeployment (Continued...)

Lecture 29 - Developing teams and leadership

Lecture 30 - Developing teams and leadership (Continued...)

Lecture 31 - Understanding motivation

Lecture 32 - Understanding motivation (Continued...)

Lecture 33 - Elements of human resources planning

Lecture 34 - Elements of human resources planning (Continued...)

Lecture 35 - Elements of human resources planning (Continued...)

Lecture 36 - Indian Industrial Law and managing industrial

Lecture 37 - Indian Industrial Law and managing industrial (Continued...)

Lecture 38 - Indian Industrial Law and managing industrial (Continued...)

NPTEL : NOC:Economic Growth and Development (Management)

Co-ordinators : Prof. Rajshree Bedamatta

Lecture 1 - Concepts of Economic Growth and Development

Lecture 2 - Structural features of developed and underdeveloped countries

Lecture 3 - The Global North and the Global South: Why the Divide?

Lecture 4 - Growth versus Development - some indices of economic development

Lecture 5 - Modern Economic Growth

Lecture 6 - Strategies of economic development and growth - I

Lecture 7 - Strategies of economic development and growth - II

Lecture 8 - Strategies of economic development and growth - III

Lecture 9 - Strategies of economic development and growth - IV

Lecture 10 - Strategies of economic development and growth - V

Lecture 11 - Strategies of economic development and growth - VI

Lecture 12 - Growth and Inequality

Lecture 13 - Economic Growth and Public Support

Lecture 14 - Measures of Inequality

Lecture 15 - Introduction to Human Development-Putting People First

Lecture 16 - The Human Development and Capability Approach

Lecture 17 - Utilitarianism, Basic Needs Approach and the Capability Approach

Lecture 18 - Measuring Human Development - I

Lecture 19 - Measuring Human Development - II

Lecture 20 - Other Human Development Indices

Lecture 21 - Multidimensional Poverty, MDGs and SDGs

Lecture 22 - Gender mainstreaming and Gender budgeting

Lecture 23 - In Conclusion

NPTEL : NOC:Organizational Behaviour: Individual Dynamics in Organization (Management)

Co-ordinators : Prof. Abraham Cyril Issac

Lecture 1 - Understanding organizational behaviour:Tracing the evolution - 1

Lecture 2 - Understanding organizational behaviour:Tracing the evolution - 2

Lecture 3 - Individual in the organization: The building blocks

Lecture 4 - Understanding individual differences - 1

Lecture 5 - Understanding individual differences - 2

Lecture 6 - Diverse workforce, inclusive mindset - 1

Lecture 7 - Diverse workforce, inclusive mindset - 2

Lecture 8 - Perception of diversity and inclusion

Lecture 9 - Ableism and inclusion

Lecture 10 - Diversity management

Lecture 11 - The perceptual process

Lecture 12 - Factors that influence perception

Lecture 13 - Perception and decision making

Lecture 14 - What affects decisions?

Lecture 15 - Ethical decision making

Lecture 16 - Affect and emotions

Lecture 17 - Affective events theory

Lecture 18 - Emotional intelligence

Lecture 19 - Understanding stress

Lecture 20 - Emotions and moods: Application at workplace

Lecture 21 - Understanding self and personality

Lecture 22 - Types and theories of personality

Lecture 23 - Measuring personality

Lecture 24 - Personality traits relevant to organization

Lecture 25 - Assessing personality: caveats and concerns

Lecture 26 - Values and its importance

Lecture 27 - Sources and types of values

Lecture 28 - Values that cut across cultures

Lecture 29 - Person-job fit

Lecture 30 - Person-organization fit

Lecture 31 - Motivation: Basic understanding and definition

Lecture 32 - Tracing the roots: Early theories - 1

Lecture 33 - Tracing the roots: Early theories - 2

Lecture 34 - Keeping up with times: Contemporary theories - 1

Lecture 35 - Keeping up with times: Contemporary theories - 2

Lecture 36 - Job Design and job characteristics model

Lecture 37 - Employee involvement

Lecture 38 - Motivating the employees: Strategies for organization - 1

Lecture 39 - Motivating the employees: Strategies for organization - 2

Lecture 40 - Organizational justice and employee motivation

Lecture 41 - Defining learning

Lecture 42 - How do individuals learn?

Lecture 43 - Theories of learning - 1

Lecture 44 - Theories of learning - 2

Lecture 45 - Learning in an organizational setting

Lecture 46 - Understanding creativity

Lecture 47 - Stages of individual creativity

Lecture 48 - Creativity and problem solving

Lecture 49 - Defining psychological capital

Lecture 50 - Using Psychological capital and mindfulness at work

Lecture 51 - Understanding knowledge sharing

Lecture 52 - Understanding knowledge hiding - what it is and what it is not

Lecture 53 - Individual factors affecting knowledge hiding

Lecture 54 - Integrating knowledge sharing and hiding behavior

Lecture 55

Lecture 56 - Understanding employee voice and silence

Lecture 57 - Individual factors affecting voice behavior

Lecture 58 - Individual factors affecting silence

Lecture 59 - Can silence be strategic?

Lecture 60 - Strategies for fostering safe environment at work

NPTEL : NOC:Labour Welfare and Industrial Relations (Management)

Co-ordinators : Prof. Abraham Cyril Issac

Lecture 1 - Background, IR in the post-independence period, functions of IR

Lecture 2 - Approaches towards IR, models of IR

Lecture 3 - Introduction to trade unions, labour legislations, worker's participation

Lecture 4 - Employers' Federation and their role in IR

Lecture 5 - Sailent features of IR in India

Lecture 6 - Birth and evolution of the trade union movement in India

Lecture 7 - Objectives, Theories, Bases of TUs

Lecture 8 - TU federations, Presence of local TUs, Reasons for growth, Compulsory Unionism

Lecture 9 - Trade Unions Act 1926: Aim, scope, registration, Rights and Responsibilities of TUs

Lecture 10 - Size and Finance of TUs, TU rivalry and recognition

Lecture 11 - Industrial Disputes: Meaning, Causes, Interests and Right Disputes

Lecture 12 - Strikes ,Forms, and Effects of Strike

Lecture 13 - Industrial Dispute Act 1947: Disputes Settlement Machineries

Lecture 14 - Statutory and Non-Statutory measures of Settlement

Lecture 15 - Collective Bargaining : Importance, Theories, Hurdles to CB in India

Lecture 16 - Introduction, objectives, classifications

Lecture 17 - Intra mural labour welfare services

Lecture 18 - Extra mural labour welfare services

Lecture 19 - Evolution of social security measures, Mention of welfare provisions of few labour laws

Lecture 20 - Social Security, Convention (No.102) ILO

Lecture 21 - Social security legislations: Evolution and Growth

Lecture 22 - Provision for old age and against unemployment and Gratuity, exisiting social security laws

Lecture 23 - Issues in Labour Welfare and Social Security, Review of welfare amenities

Lecture 24 - Role of Welfare officer, problems in enforcement of welfare amenities

Lecture 25 - Employees Compensation Act 1923: Occupational diseases, Compensation

Lecture 26 - Right to compensation in presence of Employees' State Insurance Act

Lecture 27 - Evolution of Provident Fund legislation in India, Central Government Health Scheme, 1954

Lecture 28 - Employees Provident Fund and Miscellaneous Provisions Act, 1952: scope, definitions

Lecture 29 - Employees' Provident Fund, Deposit Linked Insurance Schemes

Lecture 30 - Employee Pension Scheme 1995, Miscellaneous Provisions

Lecture 31 - Payment of Gratuity Act 1972: Enactment, Scope and Coverage

Lecture 32 - Payment of Gratuity Act 1972: Main Provisions, Compulsory Insurance, Other Provisions

Lecture 33 - Maternity Benefit Act 1961: Growth, Definitions, Main Provisions, and Other Provisions

Lecture 34 - Child labour (Prohibition& Regulation)Act,1986: Objectives

Lecture 35 - Prohibition of Employment and Regulation of Conditions of children in certain occupations

Lecture 36 - Central Board of Workers' Education Scheme : Rational, Schemes, Composition of Board

Lecture 37 - Five Year Plans and Workers' Education

Lecture 38 - Factories Act 1948: definitions, authorities

Lecture 39 - Health, safety, provisions relating to hazardous processes

Lecture 40 - Welfare, working hours of adults

Lecture 41 - Employment of young persons, annual leave with wages and Penalties and procedure,other provisions

Lecture 42 - Payment of Wages Act, 1936: Objective, Scope

Lecture 43 - Wage legalities, Authorized deductions, miscellaneous provisions

Lecture 44 - Minimum Wages Act 1948: Scope, Fixation of minimum wages

Lecture 45 - Procedure for fixing minimum wages, mode of payment, miscellaneous provisions

Lecture 46 - Equal Remuneration Act 1976: Scope, definations, provisions

Lecture 47 - Workers' Participation in Management

Lecture 48 - Degree and Forms of Labour Participation

Lecture 49 - Workers Committee, Joint management Councils

Lecture 50 - Employee's Participation in PSUs Participation in Private sector

Lecture 51 - The participation of workers in Management Bill 1990

Lecture 52 - Labour Welfare and Industrial Relations: Case Laws

Lecture 53 - Introduction, Labour reforms undertaken

Lecture 54 - Code on Wages 2019

Lecture 55 - Occupational Safety, Health and Working Conditions Code, 2020

Lecture 56 - Industrial Relations Code, 2020

Lecture 57 - Code on Social Security, 2020

Lecture 58 - Labour Welfare and Industrial Relations: A Bird's Eye View

NPTEL : NOC:AI in Human Resource Management (Management)

Co-ordinators : Prof. Abraham Cyril Issac

Lecture 1 - Deploying AI in HR Practices

Lecture 2 - Introduction to AI Tools

Lecture 3 - Leveraging AI for Diversity Management

Lecture 4 - Decision Making

Lecture 5 - Adopting AI in Administrative task automation, Recruitment, and Talent acquisition

Lecture 6 - HR Metrics

Lecture 7 - Role of AI in Performance Management

Lecture 8 - Application of AI in Onboarding

Lecture 9 - Using AI in Person-Job Fit

Lecture 10 - HR Analytics

Lecture 11 - People Analytics using AI

Lecture 12 - HR Administration application

Lecture 13 - SMART HRM

Lecture 14 - Using AI For Employee Retention

Lecture 15 - Using AI for Performance Appraisal

Lecture 16 - Using AI In Employee Training

Lecture 17 - Using AI in Workforce Planning

Lecture 18 - Ethical Concerns in Using AI in Various Functions of HRM

Lecture 19 - AI-Augmented HRM

Lecture 20 - Learning and Development Programmes

Lecture 21 - Disruptive Innovation in HRM: Future of HRM

Lecture 22 - HRM in the Era of Generative AI

Lecture 23 - Building Organizational Capabilities through AI-Driven HRM

Lecture 24 - Metaverse in HRM

Lecture 25 - Challenges of AI Adoption in HRM

Lecture 26 - HRM Digitalization Success and Future Opportunities

Lecture 27 - AI in Career Succession Planning of Employees

Lecture 28 - AI in Sustaining Green HRM

Lecture 29 - Emerging Trends of AI Based HRM

Lecture 30 - Benefits of Synergizing AI and HRM

Lecture 31 - AI in Compensation and Benefits

Lecture 32 - AI In Compliance

Lecture 33 - AI-Mediated Knowldege Management

Lecture 34 - AI in SHRM

Lecture 35 - HRP and HR Chatbots

Lecture 36 - Using AI in Enhancing Employee Experience

Lecture 37 - HR and Company Culture - Part 1

Lecture 38 - HR and Company Culture - Part 2

Lecture 39 - Adopting AI in Managing Company Culture - Part 1

Lecture 40 - Adopting AI in Managing Company Culture - Part 2

Lecture 41 - Boon or Curse: Co-existence of HR and AI - Part 1

Lecture 42 - Boon or Curse: Co-existence of HR and AI - Part 2

Lecture 43 - Birds Eye View of AI in HRM

NPTEL : Strategic Marketing - Contemporary Issues (Management)

Co-ordinators : Prof. Jayanta Chatterjee

Lecture 1 - Strategic Marketing

Lecture 2 - Strategic Marketing

Lecture 3 - Strategic Marketing

Lecture 4 - Strategic Marketing

Lecture 5 - Strategic Marketing

Lecture 6 - Strategic Marketing

Lecture 7 - Strategic Marketing

Lecture 8 - Strategic Marketing

Lecture 9 - Strategic Marketing

Lecture 10 - Strategic Marketing

Lecture 11 - Strategic Marketing

Lecture 12 - Strategic Marketing

Lecture 13 - Strategic Marketing

Lecture 14 - Strategic Marketing

Lecture 15 - Strategic Marketing

Lecture 16 - Strategic Marketing

Lecture 17 - Strategic Marketing

Lecture 18 - Strategic Marketing

Lecture 19 - Strategic Marketing

Lecture 20 - Strategic Marketing

Lecture 21 - Strategic Marketing

Lecture 22 - Strategic Marketing

Lecture 23 - Strategic Marketing

Lecture 24 - Strategic Marketing

Lecture 25 - Strategic Marketing

Lecture 26 - Strategic Marketing

Lecture 27 - Strategic Marketing

Lecture 28 - Strategic Marketing

Lecture 29 - Strategic Marketing

Lecture 30 - Strategic Marketing

Lecture 31 - Strategic Marketing

Lecture 32 - Strategic Marketing

Lecture 33 - Strategic Marketing

Lecture 34 - Strategic Marketing

Lecture 35 - Strategic Marketing

Lecture 36 - Strategic Marketing

Lecture 37 - Strategic Marketing

NPTEL : NOC:Strategy: An Introduction to game Theory (Management)

Co-ordinators : Prof. Aditya K. Jagannatham, Dr. Vimal Kumar

Lecture 1 - Introduction Examples: Markets / Politics / Auctions

Lecture 2 - Prisonersâ€™ Dilemma

Lecture 3 - Best Response and Nash Equilibrium

Lecture 4 - Another Example: Markets

Lecture 5 - Dominant Strategies

Lecture 6 - Stag Hunt â€“ Coordination and Bank Runs

Lecture 7 - Battle of Sexes and Multiple Nash Equilibria

Lecture 8 - Tragedy of Commons

Lecture 9 - Tragedy of Commons

Lecture 10 - Cournot Duopoly

Lecture 11 - Cournot Duopoly

Lecture 12 - Mixed Strategies

Lecture 13 - Battle of Sexes

Lecture 14 - Battle of Sexes: Best Response Dynamic

Lecture 15 - Paying Taxes

Lecture 16 - Portfolio Management Game

Lecture 17 - Rationality, Choice and Common Knowledge

Lecture 18 - Lterated Elimination of Domination Strategies

Lecture 19 - Auction

Lecture 20 - Auction: As a Normal Form Game

Lecture 21 - Traffic at Equilibrium and Braesss Paradox

Lecture 22 - Linear Markets

Lecture 23 - Extensive Form Games

Lecture 24 - Game Tree and Information Sets

Lecture 25 - Strategies in Extensive from Games

Lecture 26 - Extensive from Games with Simultaneous Moves and Their Normal From Representation

Lecture 27 - Sub Game Perfect Equilibrium Part-I

Lecture 28 - Sub Game Perfect Equilibrium Part-II

Lecture 29 - The Art of War: Lesson 1

Lecture 30 - Ultimatum Game

Lecture 31 - Stackelberg Model

Lecture 32 - Bayesian Games

Lecture 33 - Bayesian Game: BoS

Lecture 34 - Bayesian Nash Equilibrium

Lecture 35 - Yield vs Fight

Lecture 36 - Yield vs. Fight: Bayesian NE

Lecture 37 - Bayesian Cournot Game

Lecture 38 - Bayesian Games with mixed strategies

Lecture 39 - Auctions

Lecture 40 - Sealed Bid First Price Auction

Lecture 41 - Expected Revenue

Lecture 42 - Bayesian Second Price Auction

Lecture 43 - Expected Revenue: Second Price Auction

Lecture 44 - All Pay Auction

Lecture 45 - A Hawk-Dove Game

Lecture 46 - Evolutionary Biology

Lecture 47 - Evolutionary stable Strategy (ESS)

Lecture 48 - ESS and NE

Lecture 49 - Repeated Games

Lecture 50 - Finitely Repeated Game having Multiple Equilibriums

Lecture 51 - Chain-Store Paradox

Lecture 52 - Infinitely Repeated Game

Lecture 53 - Non Cooperative Bargaining

Lecture 54 - Axiomatic Bargaining

Lecture 55 - Extensive Form Game with Incomplete Information

Lecture 56 - Introduction to perfect Bayesian Equilibrium

Lecture 57 - Obtaining PBE

Lecture 58 - Gift Game

NPTEL : NOC:Managing Services (Management)

Co-ordinators : Prof. Jayanta Chatterjee

Lecture 1 - What is Service?

Lecture 2 - Evolving Service Markets

Lecture 3 - The Service Customers

Lecture 4 - Product Service Systems

Lecture 5 - The Service Act

Lecture 6 - Seamless Service

Lecture 7 - Service Management Elements

Lecture 8 - Core Vs. Supplementary Services

Lecture 9 - Intangibility of Services

Lecture 10 - Response to IHIP Challenges

Lecture 11 - Process & Promotion

Lecture 12 - Process Issues in Service

Lecture 13 - Challenges of Services-1

Lecture 14 - Service Uniqueness-2

Lecture 15 - Consumer in the Services Flow-1

Lecture 16 - Service Consumer Behavior-2

Lecture 17 - Customer Co Creation of Services-1

Lecture 18 - Customer Co Creation of Services-2

Lecture 19 - Current Service Map to New Service Design

Lecture 20 - Current Service Map to New Service Design.

Lecture 21 - Case Study on Service Excellence-1

Lecture 22 - Case Study on Service Excellence-2

Lecture 23 - Services Excellence - Culture

Lecture 24 - People in Services

Lecture 25 - Position - Value Proposition-1

Lecture 26 - Position - Value Proposition-2

Lecture 27 - Branding Services-1

Lecture 28 - Distributing Services

Lecture 29 - Distributing Services

Lecture 30 - Network of Services

Lecture 31 - Strategy for Service Businesses

Lecture 32 - Strategy for Service Businesses.

Lecture 33 - Strategy for Service Businesses..

Lecture 34 - Pricing - Basic Concepts

Lecture 35 - Service Pricing

Lecture 36 - Service Pricing.

Lecture 37 - Service Quality-I

Lecture 38 - Service Quality-II

Lecture 39 - Service Quality-III

Lecture 40 - Service Complaints and Recovery Strategies

Lecture 41 - Loyalty - Relationship-I

Lecture 42 - Loyalty - Relationship-II

Lecture 43 - Strategy Canvas - Service Portfolio Analysis

Lecture 44 - Loyalty - Relationship

Lecture 45 - Managing Partner Relationships

Lecture 46 - Global Service Ecosystem - Contemporary Issues

Lecture 47 - Service Ecosystem - Service Innovation

Lecture 48 - Services as Systems: A Holistic Approach

NPTEL : NOC:Quantitative Finance (Management)

Co-ordinators : Dr. Raghu Nandan Sengupta

Lecture 1

Lecture 2

Lecture 2 (Continued) - Part 1

Lecture 2 (Continued) - Part 2

Lecture 3

Lecture 4

Lecture 5

Lecture 6

Lecture 7

Lecture 8

Lecture 9

Lecture 10

Lecture 11

Lecture 12

Lecture 13

Lecture 14

Lecture 15

Lecture 16

Lecture 17

Lecture 18

Lecture 19

Lecture 20

Lecture 21

Lecture 22

Lecture 23

Lecture 24

Lecture 25

Lecture 26

Lecture 27

Lecture 28

Lecture 29

Lecture 30

Lecture 31

Lecture 32

Lecture 33

Lecture 34

Lecture 35

Lecture 36

Lecture 37

Lecture 38

Lecture 39

Lecture 40

Lecture 41

Lecture 42

Lecture 43

Lecture 44

Lecture 45

Lecture 46

Lecture 47

Lecture 48

NPTEL : NOC:Marketing Management-I (Management)

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

Lecture 1 - Defining Marketing

Lecture 2 - Core Concepts in Marketing

Lecture 3 - Case Studies

Lecture 4 - Marketing of Services

Lecture 5 - Evolution of Marketing

Lecture 6 - Contemporary Issues in Modern Marketing Practices

Lecture 7 - Introduction to Competitor Analysis

Lecture 8 - Marketing Objectives

Lecture 9 - Strategy and Core Competency

Lecture 10 - PESTEL Framework

Lecture 11 - Competitive Analysis

Lecture 12 - Case Study

Lecture 13 - Introduction To Marketing Information System

Lecture 14 - Components of a Marketing Information System

Lecture 15 - Marketing Research Process

Lecture 16 - MDP and MRP

Lecture 17 - Exploratory Research

Lecture 18 - Exploratory Research (Continued...)

Lecture 19 - Causal Research

Lecture 20 - Measurment and Scaling

Lecture 21 - Questionnaire and Sampling

Lecture 22 - Sampling Techniques

Lecture 23 - Data Collection, Preparation and Analysis

Lecture 24 - Multivariate Data Analysis

Lecture 25 - Introduction to Consumer Behviour and Need Recognition

Lecture 26 - Information Search

Lecture 27 - Socio-Cultural Influences on the Consumer Buying Process

Lecture 28 - Psychological Influences on Consumer Buying Process

Lecture 29 - Evaluation of Alternatives

Lecture 30 - Purchase and Post Purchase Evaluation

Lecture 31 - Service Consumption

Lecture 32 - Structural Models of Attitude

Lecture 33 - Industrial Buyer Behaviour - I

Lecture 34 - Industrial Buyer Behaviour - II

Lecture 35 - Industrial Marketing Program and Buying Process

Lecture 36 - Three Dimension of Industrial Buyer Behaviour

Lecture 37 - Consumer Decision-Making Process Revisited

Lecture 38 - Identifying and Choosing Oppurtunities

Lecture 39 - Market Segmentation - I

Lecture 40 - Market Segmentation - II

Lecture 41 - Segmentation and Targeting

Lecture 42 - Segmentationa and Post Segmentation Strategies

Lecture 43 - Introduction to Marketing Strategy

Lecture 44 - Positioning

Lecture 45 - Segmentation and Targeting in B2B Market

Lecture 46 - Crafting the Positioning and Branding Effectively

NPTEL : NOC:Marketing Management-II (Management)

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

Lecture 1 - Brief Recap of Basic Concepts from Marketing Management 1 - I

Lecture 2 - Brief Recap of Basic Concepts from Marketing Management 1 - II

Lecture 3 - Product - An Important Component of the 4P

Lecture 4 - New Product Development - I

Lecture 5 - New Product Development - II

Lecture 6 - Entreprenuerial Marketing

Lecture 7 - Screening New Product Ideas

Lecture 8 - Diffusion of Innovation

Lecture 9 - Product Life Cycle and Introduction to Strategy

Lecture 10 - Strategy for New Product Introduction - I

Lecture 11 - Strategy for New Product Introduction - II

Lecture 12 - Marketing Strategies for Different Stages in PLC

Lecture 13 - Introduction to Brand, Branding and Brand Equity

Lecture 14 - Strategic Brand Management Process

Lecture 15 - Brand Building - I

Lecture 16 - Brand Building - II

Lecture 17 - Secondary Associations of a Brand and Advantages of Brand

Lecture 18 - Measuring Brand Equity and other Brand Related Constructs

Lecture 19 - Global Dimensions of Brands

Lecture 20 - Brand Message and Advantage of Brand

Lecture 21 - Branding Strategies - I

Lecture 22 - Branding Strategies - II

Lecture 23 - Strategic Brand Management

Lecture 24 - Creating a Powerful Brand

Lecture 25 - Introduction to Pricing

Lecture 26 - Considerations for Setting the Price

Lecture 27 - Determing the Demand and Cost Estimation

Lecture 28 - Cost Estimation and Break Even Analysis

Lecture 29 - Different Methods of Pricing - I

Lecture 30 - Different Methods of Pricing - II

Lecture 31 - Introduction to Distribution

Lecture 32 - Types of Channel and their Dynamics

Lecture 33 - Different Channel Options

Lecture 34 - Integrated Marketing Channel

Lecture 35 - Retailing and Wholesaling - I

Lecture 36 - Retailing and Wholesaling - II

Lecture 37 - Retail Marketing Management

Lecture 38 - Choosing Retail Location and Layout

Lecture 39 - Introduction to Integrated Marketing Communications

Lecture 40 - Models of Communication

Lecture 41 - Designing and Implementing Marketing Communication

Lecture 42 - Digital Marketing Communication

Lecture 43 - Introduction to Services Marketing

Lecture 44 - Characteristics of Services

Lecture 45 - Failure of Service and Solutions

Lecture 46 - Service Quality

Lecture 47 - Recap of Important Concepts - I

Lecture 48 - Recap of Important Concepts - II

NPTEL : NOC:Project Management (Management)

Co-ordinators : Prof. Raghunandan Sengupta

Lecture 1 - Introduction to Project Management

Lecture 2 - Introduction to Agile Project Management

Lecture 3 - Project Management Process for a Project - I

Lecture 4 - Project Management Process for a Project - II

Lecture 5 - Project Management Process for a Project - III

Lecture 6 - Project Stakeholder and Risk Management

Lecture 7 - Project Risk Management

Lecture 8 - Solving Project Management Decision Problems

Lecture 9 - Project Risk Management Analysis - I

Lecture 10 - Project Risk Management Analysis - II

Lecture 11 - Analytic Hierarchy Process for Project Selection

Lecture 12 - Decision Tree Analysis

Lecture 13 - Decision Tree Analysis and Risk Management

Lecture 14 - Application of Utility Theory in Project Management - I

Lecture 15 - Application of Utility Theory in Project Management - II

Lecture 16 - Application of Utility Theory in Project Management - III

Lecture 17 - Application of Utility Theory in Project Management - IV

Lecture 18 - Other Criteria used for Project Selection

Lecture 19 - Work Breakdown Structure in Project Management

Lecture 20 - Activity Networks used in Project Management

Lecture 21 - Concept of Critical Path Method (CPM) and Introduction to PERT

Lecture 22 - Program Evaluation Review Technique (PERT) - I

Lecture 23 - Program Evaluation Review Technique (PERT) - II

Lecture 24 - Aspects and applications of CPM and PERT

Lecture 25 - Concepts of a Project Life Cycle

Lecture 26 - Discounting Rates and Project Pricing

Lecture 27 - Concept of Forward Rates and Payback Time

Lecture 28 - Important Example of PERT Network involving Probabilistic time and variance

Lecture 29 - Scheduling and Crashing of Jobs

Lecture 30 - Resource levelling and resource constraint

Lecture 31 - Detailed Explanation on Crashing of Jobs

Lecture 32 - Project scheduling and Crashing Â– An Example

Lecture 33 - Earned Value Management

Lecture 34 - Key components of Earned Value Management

Lecture 35 - Introduction to Graphical Evaluation and Review Technique (GERT) - I

Lecture 36 - Graphical Evaluation and Review Technique (GERT) - II

Lecture 37 - Graphical Evaluation and Review Technique (GERT) - III

Lecture 38 - Graphical Evaluation and Review Technique (GERT) - IV

Lecture 39 - Graphical Evaluation and Review Technique (GERT) - V

Lecture 40 - Q-GERT: Queue graphical evaluation and review technique and Theory of Constraint

NPTEL : NOC:Systems Engineering: Theory and Practice (Management)

Co-ordinators : Dr. Deepu Philip

Lecture 1 - Systems Engineering Â– What is, origin and examples

Lecture 2 - Systems Engineering as a profession

Lecture 3 - Systems Engineering Management (SEM)

Lecture 4 - SEM - Lifecycle Integration

Lecture 5 - Systems Engineering - Modern Version

Lecture 6 - Overview of Systems Engineering Process

Lecture 7 - System Design Process

Lecture 8 - Systems View Point

Lecture 9 - Complex Systems and System Development Process

Lecture 10 - System Environments

Lecture 11 - System Interfaces and Interactions

Lecture 12 - System Development Process

Lecture 13 - System Engineering Life Cycle Stages

Lecture 14 - System Engineering Life Cycle Stages (Continued...)

Lecture 15 - Requirement Analysis

Lecture 16 - Requirement Analysis (Continued...)

Lecture 17 - Unmanned Aerial Systems - A Systems Engineering Case Study

Lecture 18 - Discussion about Systems Engineering and System Thinking with Professor Ian Angell

Lecture 19 - Demonstration of real life systems by the Indian Army

Lecture 20 - Need Analysis

Lecture 21 - Functional Analysis

Lecture 22 - Functional Flow Block Diagram

Lecture 23 - Quality Function Deployment

Lecture 24 - Timeline Analysis Sheet and Requirement Allocation Sheet

Lecture 25 - Design Synthesis

Lecture 26 - Design Synthesis (Continued...)

Lecture 27 - Design Synthesis Tools

NPTEL : NOC:Total Quality Management - I (Management)

Co-ordinators : Prof. Raghunandan Sengupta

Lecture 1 - Quality and its Dimensions

Lecture 2 - Quality and Variability

Lecture 3 - History of Quality Control

Lecture 4 - Management Aspects of Quality - I

Lecture 5 - Management aspects of Quality - II

Lecture 6 - Introduction to Concepts of Probability

Lecture 7 - Six Sigma Overview

Lecture 8 - DMAIC for Problem Solving

Lecture 9 - DMAIC exmaples and DMADV

Lecture 10 - Quality Improvement

Lecture 11 - 7 Old Tools for Quality Assurance

Lecture 12 - 7 New Tools for Quality Assurance

Lecture 13 - CPM, PDPC and Introduction To House of Quality

Lecture 14 - Building the House of Quality

Lecture 15 - Introduction to Acceptance Sampling

Lecture 16 - The Operating Characteristic Curve

Lecture 17 - The OC curve and Sampling Plans

Lecture 18 - Double Sampling

Lecture 19 - Sequential Sampling, Military Standard and Introduction to R

Lecture 20 - Basic Understanding of R and Introduction to Control Charts

Lecture 21 - Basics of X bar and R chart

Lecture 22 - Usage of X bar chart and R chart

Lecture 23 - Variable Sample Size in X bar and R chart

Lecture 24 - Patterns in Charts

Lecture 25 - S chart and OC curve

Lecture 26 - S square chart and MR chart

Lecture 27 - Attribute charts- The p chart

Lecture 28 - np control chart

Lecture 29 - Estimating control limits with varying sample size

Lecture 30 - OC curve, c and u charts

Lecture 31 - u, g and h chart

Lecture 32 - Introduction to Process Capability Analysis

Lecture 33 - PCR calculation and Gauge Capability

Lecture 34 - Introduction to ISO 9000

NPTEL : NOC:Management of New Products and Services (Management)

Co-ordinators : Prof. Jayanta Chatterjee

Lecture 1 - Similarities and Differences

Lecture 2 - Theoretical Foundations I Competitive Strategy

Lecture 3 - Theoretical Foundations II Product Strategy

Lecture 4 - Theoretical Foundations III Understanding Customer Behaviour

Lecture 5 - Theoretical Foundations IV Product Life Cycle (PLC) and Chasm

Lecture 6 - Theoretical Foundations V Product Platforms and Portfolios

Lecture 7 - Theoretical Foundations VI Understanding Customers (STP)

Lecture 8 - STP continued

Lecture 9 - Understanding Product Platforms

Lecture 10 - The Idea Generation process

Lecture 11 - Creating Customer Value Proposition

Lecture 12 - Lean Product Process

Lecture 13 - Estimating Marketing and Sales Potential

Lecture 14 - Introduction to New Product Forecasting Techniques

Lecture 15 - Diffusion process and Product Life Cycle

Lecture 16 - Technology Adoption Life Cycle and Crossing the Chasm

Lecture 17 - Managing New Products in Large Organizations

Lecture 18 - Introduction to the Stage Gate model

Lecture 19 - What is a Lean Startup

Lecture 20 - The Business Model Canvas

Lecture 21 - Introduction to Intellectual Property Rights

Lecture 22 - Taking the Product to the Market - Deployment Strategies

NPTEL : NOC:Total Quality Management-II (Management)

Co-ordinators : Prof. Raghunandan Sengupta

Lecture 1 - Introduction to Statistics

Lecture 2 - Introduction to Probability Theory

Lecture 3 - Distribution of a Random Variable - I

Lecture 4 - Distribution of a Random Variable - II

Lecture 5 - Part-I : Interval Estimation - I

Lecture 6 - Part-II : Interval Estimation - II

Lecture 7 - Confidence Interval III and the introduction to Hypothesis Testing

Lecture 8 - Hypothesis Testing

Lecture 9 - The Analysis of Variance (ANOVA) - I

Lecture 10 - The Analysis of Variance (ANOVA) - II

Lecture 11 - The Analysis of Variance (ANOVA) - III

Lecture 12 - The Analysis of Variance (ANOVA) - IV

Lecture 13 - The Analysis of Variance (ANOVA) - V

Lecture 14 - The Analysis of Variance (ANOVA) - VI

Lecture 15 - The Analysis of Variance (ANOVA) - VII and Introduction to Factorial Design

Lecture 16 - Factorial Designs - I

Lecture 17 - Factorial Designs - II

Lecture 18 - Factorial Designs - III

Lecture 19 - Factorial Designs - IV

Lecture 20 - Factorial Designs - V

Lecture 21 - Factorial Designs - VI

Lecture 22 - Factorial Designs - VII

Lecture 23 - Factorial Designs - VIII

Lecture 24 - Two level Fractional Factorial Design - I

Lecture 25 - Two level Fractional Factorial Design - II

Lecture 26 - Two level Fractional Factorial Design - III

Lecture 27 - Two level Fractional Factorial Design - IV

Lecture 28 - Two level Fractional Factorial Design - V

Lecture 29 - Two level Fractional Factorial Design - VI

Lecture 30 - Two level Fractional Factorial Design - VII

Lecture 31 - Additional Design and Analysis Topics for Factorial and Fractional Factorial Designs - I

Lecture 32 - Additional Design and Analysis Topics for Factorial and Fractional Factorial Designs - II

Lecture 33 - Confounding in the 3^k Factorial Design - I

Lecture 34 - Confounding in the 3^k Factorial Design - II

Lecture 35 - Fractional Replication of the 3^k Factorial Design

Lecture 36 - Factorials with Mixed Levels

Lecture 37 - Fitting Regression Models - I

Lecture 38 - Fitting Regression Models - II

Lecture 39 - Fitting Regression Models - III

Lecture 40 - Fitting Regression Models - IV

Lecture 41 - Fitting Regression Models - V

NPTEL : NOC:Practitioners Course In Descriptive, Predictive and Prescriptive Analytics (Management)

Co-ordinators : Dr. Amandeep Singh, Dr. Deepu Philip

Lecture 1 - Introduction

Lecture 2 - Analytics for Decision Making Support

Lecture 3 - Decision Needs and Analytics

Lecture 4 - Systems, Models and Modeling Process

Lecture 5 - Types of Models

Lecture 6 - Data and its Types

Lecture 7 - Overview of Probability

Lecture 8 - Statistics and Analytics (Private)

Lecture 9 - Descriptive Statistics â€“ Graphical Tools (Private)

Lecture 10 - Frequency Distribution and Histogram

Lecture 11 - Stem and Leaf Plot

Lecture 12 - Box Plots

Lecture 13 - Business Intelligence and Analytics

Lecture 14 - Normal Distribution

Lecture 15 - Sampling

Lecture 16 - Sampling Techniques

Lecture 17 - Hypothesis Testing

Lecture 18 - Hypothesis Testing continued

Lecture 19 - Machine Learning

Lecture 20 - Correlation

Lecture 21 - Correlation continued

Lecture 22 - Regression

Lecture 23 - Analysis of Varience (ANOVA) - Part 1

Lecture 24 - Analysis of Varience (ANOVA) - Part 2

Lecture 25 - Machine Learning - Part 2

Lecture 26 - Machine Learning - Part 3

Lecture 27 - Machine Learning - Part 4

Lecture 28 - Machine Learning - Part 5

NPTEL : NOC:Microeconomics: Theory and Applications (Management)

Co-ordinators : Prof. Deep Mukerjee

Lecture 1 - Introduction

Lecture 2 - Major themes in Microeconomics - Part 1

Lecture 3 - Major themes in Microeconomics - Part 2

Lecture 4 - Basic differential calculus

Lecture 5 - Demand Function

Lecture 6 - Comparative Statics and Marshallian Consumer Theory

Lecture 7 - Marshallian Consumer Theory (Continued...)

Lecture 8 - Optimization Theory and Techniques - Part 1

Lecture 9 - Optimization Theory and Techniques - Part 2

Lecture 10 - Practice Session

Lecture 11 - Indifference Curves - Part 1

Lecture 12 - Indifference Curves - Part 2

Lecture 13 - Consumer Equilibrium - Part 1

Lecture 14 - Consumer Equilibrium - Part 2

Lecture 15 - Income consumption curve (ICC) and related issues

Lecture 16 - Price consumption curves and related issues

Lecture 17 - Slutsky Equation

Lecture 18 - Price Change and Consumer Welfare - Part 1

Lecture 19 - Price Change and Consumer Welfare - Part 2

Lecture 20 - Price Change and Consumer Welfare - Part 3

Lecture 21 - Intertemporal Choice - Part 1

Lecture 22 - Intertemporal Choice - Part 2

Lecture 23 - Introduction to Risk

Lecture 24 - Consumer Choice Involving Risk - Part 1

Lecture 25 - Consumer Choice Involving Risk - Part 2

Lecture 26 - Neoclassical Production Function

Lecture 27 - Isoquants - Part 1

Lecture 28 - Isoquants - Part 2

Lecture 29 - Cobb-Douglass production function

Lecture 30 - Firm's Optimization Problems - Part 1

Lecture 31 - Firm's Optimization Problems - Part 2

Lecture 32 - Cost Function - Part 1

Lecture 33 - Cost function - Part 2

Lecture 34 - Short-run Cost Curves

Lecture 35 - Long-run Cost Curves

Lecture 36 - Short-run Equilibrium of firm

Lecture 37 - Short-run equilibrium of firm and supply function

Lecture 38 - Long-run equilibrium of a competitive firm - Part 1

Lecture 39 - Long-run equilibrium of a competitive firm - Part 2

Lecture 40 - Long-run Equilibrium of Competitive Industry

Lecture 41 - Welfare Analysis of Competitive Market

Lecture 42 - Welfare Analysis of Government Intervention on Competitive Market - Part 1

Lecture 43 - Welfare Analysis of Government Intervention in Competitive Market - Part 2

Lecture 44 - Monopoly - Part 1

Lecture 45 - Monopoly - Part 2

Lecture 46 - Discriminating Monopoly

Lecture 47 - Practice session (Monopoly)

Lecture 48 - Oligopoly - Part 1

Lecture 49 - Oligopoly - Part 2

Lecture 50 - Model for Cartel Behaviour

Lecture 51 - Practice session (Oligopoly)

Lecture 52 - Externality and Market Failure - Part 1

Lecture 53 - Externality and Market Failure - Part 2

Lecture 54 - Linear Programming - Part 1

Lecture 55 - Linear Programming - Part 2

Lecture 56 - Linear Programming - Part 3

Lecture 57 - Linear Programming - Part 4

Lecture 58 - Linear Regression - Part 1

Lecture 59 - Linear Regression - Part 2

Lecture 60 - Linear Regression - Part 3

Lecture 61 - Linear Regression - Part 4

NPTEL : NOC:Data Analysis and Decision Making-I (Management)

Co-ordinators : Prof. Raghunandan Sengupta

Lecture 1 - Introduction

Lecture 2 - Data Representation and Frequency

Lecture 3 - Frequency Table and Mean

Lecture 4 - Descriptive Statistics

Lecture 5 - Introduction To Probability

Lecture 6 - Conditional Probability

Lecture 7 - Baye'S Theorem And Distributions

Lecture 8 - Binomial Distribution

Lecture 9 - Hypergeometric, Poisson, Normal Distribution

Lecture 10 - Distribution Function

Lecture 11 - Normal Distribution

Lecture 12 - Sampling

Lecture 13 - Some Distributions

Lecture 14 - More on Distributions

Lecture 15 - Estimators

Lecture 16 - MLE

Lecture 17 - Statistical Inference

Lecture 18 - Hypothesis Testing

Lecture 19 - Hypothesis Testing:A

Lecture 20 - Hypothesis Testing:B

Lecture 21 - Hypothesis Testing

Lecture 22 - Simple Linear Regression

Lecture 23 - Multiple Linear Regression

Lecture 24 - Weighted Moving Averages

Lecture 25 - Weighted Moving Averages

Lecture 26 - Forecasting

Lecture 27 - Forecasting

Lecture 28 - Data Properties

Lecture 29 - Multivariate Statistical Analysis

Lecture 30 - Multivariate Statistical Analysis

Lecture 31 - Multivariate Statistical Analysis

Lecture 32 - Multivariate Statistical Analysis

Lecture 33 - Multivariate Distribution

Lecture 34 - Multivariate Extreme Value Distribution

Lecture 35 - Mle Estimates

Lecture 36 - Mle Estimates

Lecture 37 - Copula Theory

Lecture 38 - PCA

Lecture 39 - PCA

Lecture 40 - Factor Analysis

Lecture 41 - Factor Analysis

Lecture 42 - Introduction to Utility Theory

Lecture 43 - Utility Analysis

Lecture 44 - Decision Sciences

Lecture 45 - Utility Functions

Lecture 46 - Exponential Utility Function

Lecture 47 - Risk Concepts

Lecture 48 - Utility Theory Axioms

Lecture 49 - Utility Analysis

Lecture 50 - Chebyshev'S Inequality

Lecture 51 - Loss Function

Lecture 52 - Loss Function

Lecture 53 - Loss Function and MLR

Lecture 54 - MLR

Lecture 55 - Loss Function

Lecture 56 - Cannonical Correlation

Lecture 57 - cannonical Correlation (Continued...)

Lecture 58 - Structural Equation Modeling (SEM)

Lecture 59 - SEM

Lecture 60 - SEM

NPTEL : NOC:Economics of Health and Health Care (Management)

Co-ordinators : Prof. Deep Mukerjee

Lecture 1 - Introduction to Health

Lecture 2 - Health Economics Map and Health Expenditure

Lecture 3 - Utility

Lecture 4 - Indifference Curve

Lecture 5 - Budget Line

Lecture 6 - Theory of Demand

Lecture 7 - Theory of Supply

Lecture 8 - Price Elasticity of Demand

Lecture 9 - Income Elasticity of Demand and Price Elasticity of Supply

Lecture 10 - Production Function

Lecture 11 - Relationship Between AP, MP and Law of Diminishing Marginal Returns

Lecture 12 - Long Run Production Function and Isoquant

Lecture 13 - Returns to Scale

Lecture 14 - Iso-Cost Curve and Co-production

Lecture 15 - Introduction to Cost Theory

Lecture 16 - Break-even Point and Long Run Cost Curve

Lecture 17 - Cost-Volume-Profit Analysis

Lecture 18 - Costing in a Hospital System

Lecture 19 - Choice in Healthcare

Lecture 20 - Measurements based on Choices

Lecture 21 - Grossman's Demand Model

Lecture 22 - Market Structures and Perfect Competition

Lecture 23 - Market Imperfection

Lecture 24 - Ideal Healthcare Market Conditions

Lecture 25 - Imperfect in Healthcare Markets

Lecture 26 - Building Blocks of Health Systems and Health Financing

Lecture 27 - Mechanisms of Health Financing

Lecture 28 - Introduction to health insurance

Lecture 29 - Important concepts of health insurance

Lecture 30 - Strategies for Private Health Insurance companies

Lecture 31 - Types of health insurance and Death Spiral

Lecture 32 - Third Party Administrator.

Lecture 33 - Managed Care Organizations

Lecture 34 - Reinsurance

Lecture 35 - What is Economic Evaluation?

Lecture 36 - Cost Minimization Analysis and Cost Effectiveness Analysis

Lecture 37 - Cost-utility Analysis

Lecture 38 - Cost-Benefit Analysis

Lecture 39 - Types of Goods- Excludability and Rivalry in Consumption

Lecture 40 - Public Goods, Common Resources and decision making based on Cost-Benefit Analysis

Lecture 41 - Tragedy of Commons and Evaluation Framework

Lecture 42 - Fundamental concepts of economic externalities

Lecture 43 - External cost, external benefit and efficient output

Lecture 44 - External cost, external benefit and efficient output

Lecture 45 - Economics of Health and Healthcare

Lecture 46 - Development Indices

Lecture 47 - Social Determinants of Health

Lecture 48 - Fundamental Concepts and Theories Related to Population,Health and Development

Lecture 49 - Population Composition and demographic Dividend

Lecture 50 - Theories Related to Fertility, Population Growth and Socio-Economic Advancements

Lecture 51 - Underwriting

NPTEL : NOC:Simulation of Business Systems: An Applied Approach (Management)

Co-ordinators : Dr. Deepu Philip

Lecture 1 - What is Simulation

Lecture 2 - Terminologies in Simulation

Lecture 3 - How to Built Simulation Model

Lecture 4 - Components of Discrete Event Simulation

Lecture 5 - A Simple Example

Lecture 6 - Terminologies and Like Approaches

Lecture 7 - Monte-Carlo Simulation

Lecture 8 - How to build Simulation? - Major considerations

Lecture 9 - Basic Simulation terms and Illustrative examples

Lecture 10 - Steps in a Simulation Study

Lecture 11 - An introduction to ARENA

Lecture 12 - Simulation experiments using ARENA

Lecture 13 - Probability and Statistics for simulation

Lecture 14 - Pareto Analysis

Lecture 15 - Frequency Distribution

Lecture 16 - Simulation of Tandem Queues using ARENA

Lecture 17 - Simulation with ARENA: Use of Decision node

Lecture 18 - Simulation with ARENA: Use of Assign Node

Lecture 19 - Simulation with ARENA: Use of Batch Node

Lecture 20 - Stem and Leaf Display

Lecture 21 - Tecnomatix: Plant Simulation - Part 1

Lecture 22 - Tecnomatix: Plant Simulation - Part 2

Lecture 23 - Tecnomatix: Plant Simulation - Part 3

Lecture 24 - Probability Distributions - I

Lecture 25 - Probability Distributions - II

Lecture 26 - Valid Model for Input Data

NPTEL : NOC:Management of Field Sales (Management)

Co-ordinators : Prof. Jayanta Chatterjee

Lecture 1 - Introduction to Management of Field Sales

Lecture 2 - Sales Role and Activities

Lecture 3 - Value added selling and Non Verbal Messages

Lecture 4 - Communication Styles in Field Sales

Lecture 5 - Managing Product Life cycle

Lecture 6 - From Product To Benefit

Lecture 7 - The Sales Process

Lecture 8 - Prospecting

Lecture 9 - From Prospecting to Preparing the Sales Call

Lecture 10 - The Buying Process

Lecture 11 - Approaching the Customer with Adaptive Selling

Lecture 12 - Interactive Sales Presentation

Lecture 13 - Consultative Questioning Strategy

Lecture 14 - Account Evaluation - Long Term Approach

Lecture 15 - Negotiating Buyer Concerns

Lecture 16 - Sales Force Structure

Lecture 17 - Leading the Sales Force

Lecture 18 - Sales Force Motivation

Lecture 19 - Forecasting Sales and Developing Budgets

Lecture 20 - Understanding Sales Analytics

NPTEL : NOC:Data Analysis and Decision Making-II (Management)

Co-ordinators : Prof. Raghunandan Sengupta

Lecture 1 - Utility Analysis

Lecture 2 - Utility Analysis

Lecture 3 - Utility Analysis

Lecture 4 - Utility Analysis

Lecture 5 - Utility Analysis

Lecture 6 - Utility Analysis

Lecture 7 - Utility Analysis

Lecture 8 - Utility Analysis

Lecture 9 - Decisions and Utility Analysis

Lecture 10 - Safety first principle

Lecture 11 - Loss Function

Lecture 12 - Loss Function

Lecture 13 - Balanced Loss Function

Lecture 14 - DEA

Lecture 15 - DEA

Lecture 16 - DEA

Lecture 17 - DEA

Lecture 18 - Decision Trees

Lecture 19 - Decision Trees

Lecture 20 - Decision Trees

Lecture 21 - AHP

Lecture 22 - AHP

Lecture 23 - AHP

Lecture 24 - AHP

Lecture 25 - AHP

Lecture 26 - ELECTRE

Lecture 27 - ELECTRE

Lecture 28 - ELECTRE

Lecture 29 - ELECTRE

Lecture 30 - ELECTRE

Lecture 31 - TOPSIS

Lecture 32 - TOPSIS

Lecture 33 - TOPSIS

Lecture 34 - TOPSIS

Lecture 35 - TOPSIS

Lecture 36 - VIKOR

Lecture 37 - VIKOR

Lecture 38 - VIKOR

Lecture 39 - VIKOR

Lecture 40 - VIKOR

Lecture 41 - MAUT

Lecture 42 - MAUT

Lecture 43 - MAUT

Lecture 44 - multi-objective optimization

Lecture 45 - reliability based optimization

Lecture 46 - Optimization

Lecture 47 - Goal programming

Lecture 48 - GERT

Lecture 49 - Demand model

Lecture 50 - Bass model

Lecture 51 - GERT

Lecture 52 - GERT

Lecture 53 - GERT

Lecture 54 - AIS

Lecture 55 - AIS

Lecture 56 - AIS

Lecture 57 - AIS

Lecture 58 - ANN

Lecture 59 - Metaheuristics techniques

Lecture 60 - General Concepts

NPTEL : NOC:Advanced Green Manufacturing Systems (Management)

Co-ordinators : Dr. Deepu Philip, Dr. Amandeep Singh

Lecture 1 - Significance of manufacturing

Lecture 2 - Productivity in manufacturing

Lecture 3 - Product lifecycle

Lecture 4 - Introduction to optimization

Lecture 5 - Mathematical modeling example

Lecture 6 - Rules of modeling

Lecture 7 - Modeling with continuous variable - Part 1

Lecture 8 - Modeling with continuous variable - Part 2

Lecture 9 - Value Engineering Green Plan: Introduction

Lecture 10 - Value Engineering Green Plan: Methodology - Part 1

Lecture 11 - Value Engineering Green Plan: Methodology - Part 2

Lecture 12 - Value Engineering Green Plan - FAST diagramming

Lecture 13 - Value Engineering - Case Study

Lecture 14 - Value Engineering Green Plan - Paired comparison technique

Lecture 15 - Creativity Techniques

Lecture 16 - Frugal Innovation

Lecture 17 - Green Quality Function Deployment - Part 1

Lecture 18 - Green Quality Function Deployment - Part 2

Lecture 19 - Solving optimization problems

Lecture 20 - Solving optimization problems using MS Excel

Lecture 21 - MS Excel Solver demonstration

Lecture 22 - Solving optimization problems using MS Excel

Lecture 23 - Design of Experiments for Factor Selection

Lecture 24 - Fundamental Techniques of Experimentation

Lecture 25 - Simple Comparative Experiments

Lecture 26 - ANOVA - Part 1

Lecture 27 - ANOVA - Part 2

Lecture 28 - ANOVA - Part 3

Lecture 29 - Design for Environment - Part 1

Lecture 30 - Design for Environment - Part 2

Lecture 31 - Design for Environment - Part 3

Lecture 32 - Design for Environment - Part 4

Lecture 33 - Life Cycle Assessment, EIO-LCA tool

Lecture 34 - Life Cycle Assessment, process based software

Lecture 35 - Introduction to Factorial Experiments

Lecture 36 - Statistical Analysis in Factorial Experiments

Lecture 37 - Numerical Analysis in Factorial Experiments - Part 1

Lecture 38 - Numerical Analysis in Factorial Experiments - Part 2

Lecture 39 - Overview of Optimization Methods - Part 1

Lecture 40 - Overview of Optimization Methods - Part 2

Lecture 41 - Green Factory through Green Unit Processes - Part 1

Lecture 42 - Green Factory through Green Unit Processes - Part 2

Lecture 43 - Green Factory Simulation - Part 1

Lecture 44 - Green Factory Simulation - Part 2

Lecture 45 - Green Factory Simulation - Part 3

Lecture 46 - Advanced Green Manufacturing Systems course summary

NPTEL : NOC:Data Analysis and Decision Making-III (Management)

Co-ordinators : Prof. Raghunandan Sengupta

Lecture 1 - Introduction

Lecture 2 - Linear Programming

Lecture 3 - Linear Programming

Lecture 4 - Utility Analysis

Lecture 5 - Utility Analysis

Lecture 6 - Utility Theory

Lecture 7 - Utility Theory

Lecture 8 - Utility Analysis

Lecture 9 - Safety First Principle

Lecture 10 - Safety First Principle (Continued...)

Lecture 11 - Optimization

Lecture 12 - Optimization

Lecture 13 - Optimization

Lecture 14 - Optimization

Lecture 15 - Simplex Method

Lecture 16 - Simplex Method

Lecture 17 - Simplex Method

Lecture 18 - Simplex Method

Lecture 19 - Optimization

Lecture 20 - Simplex Method

Lecture 21 - Simplex Method

Lecture 22 - Simplex Method

Lecture 23 - Simplex Method

Lecture 24 - Optimization

Lecture 25 - Optimization

Lecture 26 - Optimization

Lecture 27 - Simplex Method

Lecture 28 - Simplex Method

Lecture 29 - Simplex Method

Lecture 30 - Transportation Problem

Lecture 31 - Transportation Problem

Lecture 32 - Transportation Problem

Lecture 33 - Transportation Problem

Lecture 34 - Transportation Problem

Lecture 35 - Loss Function

Lecture 36 - DEA

Lecture 37 - DEA

Lecture 38 - DEA

Lecture 39 - Gomory Cutting Plane Algorithm

Lecture 40 - Gomory Cutting Plane Algorithm

Lecture 41 - Integer Programming

Lecture 42 - Integer Programming

Lecture 43 - Integer Programming

Lecture 44 - Quadratic Programming

Lecture 45 - Portfolio Optimization

Lecture 46 - Chance Constraint Problem

Lecture 47 - Branch and Bound

Lecture 48 - Branch and Bound

Lecture 49 - Branch and Bound

Lecture 50 - Branch and Bound

Lecture 51 - Quadratic Programming

Lecture 52 - Steepest Descent

Lecture 53 - Reliability Based Optimization

Lecture 54 - Reliability Based Optimization

Lecture 55 - Reliability Based Optimization

Lecture 56 - Sequential Optimization and Reliability Assessment

Lecture 57 - Reliability/Stochastic Optimization

Lecture 58 - Reliability/Stochastic Optimization

Lecture 59 - Robustness

Lecture 60 - Robustness

NPTEL : NOC:Artificial Intelligence (AI) for Investments (Management)

Co-ordinators : Prof. Abhinava Tripathi

Lecture 1

Lecture 2

Lecture 3

Lecture 4

Lecture 5

Lecture 6

Lecture 7

Lecture 8

Lecture 9

Lecture 10

Lecture 11

Lecture 12

Lecture 13

Lecture 14

Lecture 15

Lecture 16

Lecture 17

Lecture 18

Lecture 19

Lecture 20

Lecture 21

Lecture 22

Lecture 23

Lecture 24

Lecture 25

Lecture 26

Lecture 27

Lecture 28

Lecture 29

Lecture 30

Lecture 31

Lecture 32

Lecture 33

Lecture 34

Lecture 35

Lecture 36

Lecture 37

Lecture 38

Lecture 39

Lecture 40

Lecture 41

Lecture 42

Lecture 43

Lecture 44

NPTEL : NOC:Brand Management (Management)

Co-ordinators : Prof. Abhishek Kumar

Lecture 1 - Brands and Marketplace

Lecture 2 - Brands and Marketplace (Continued...)

Lecture 3 - Product Vs Brand

Lecture 4 - Product Vs Brand (Continued...)

Lecture 5 - Brand Management - The Activity

Lecture 6 - Brand Management - The Activity (Continued...)

Lecture 7 - Brand Associations as Raw Material

Lecture 8 - Brand Associations as Raw Material (Continued...)

Lecture 9 - Minning Brand Associations

Lecture 10 - Minning Brand Associations (Continued...)

Lecture 11 - Unearthing Brand Iceberg

Lecture 12 - Unearthing Brand Iceberg (Continued...)

Lecture 13 - Brand Personality

Lecture 14 - Brand Personality (Continued...)

Lecture 15 - Brand Identity

Lecture 16 - Brand Identity (Continued...)

Lecture 17 - Brand Positioning and Repositioning - Part A

Lecture 18 - Brand Positioning and Repositioning - Part A (Continued...)

Lecture 19 - Brand Positioning and Repositioning - Part B

Lecture 20 - Brand Positioning and Repositioning - Part B (Continued...)

Lecture 21 - Brand Positioning and Repositioning (Continued...)

Lecture 22 - Evolution of Brand Manager System

Lecture 23 - Evolution of Brand Manager System (Continued...)

Lecture 24 - Evolution of Brand Manager System - Part B (Continued...)

Lecture 25 - Brand Extensions

Lecture 26 - Brand Extensions (Continued...)

Lecture 27 - Brand Architecture - Part 1

Lecture 28 - Brand Architecture - Part 1 (Continued...)

Lecture 29 - Brand Architecture - Part 2

Lecture 30 - Brand Architecture - Part 2 (Continued...)

Lecture 31 - Relationship Between Pricing and Brand Positioning

Lecture 32 - Relationship Between Pricing and Brand Positioning (Continued...)

Lecture 33 - Pricing - A Tool for Brand Management

Lecture 34 - Pricing - A Tool for Brand Management (Continued...)

Lecture 35 - Marketing Brand Equity

Lecture 36 - Marketing Brand Equity (Continued...)

Lecture 37 - Financial Brand Equity

Lecture 38 - Financial Brand Equity (Continued...)

Lecture 39 - Brands Serving Psycho-Socio Functions

Lecture 40 - Brand Management - Glossary

NPTEL : NOC:Advanced Business Decision Support Systems (Management)

Co-ordinators : Prof. Deepu Philip, Dr. Amandeep Singh Oberoi, Dr. Prabal Pratap Singh

Lecture 1

Lecture 2

Lecture 3

Lecture 4

Lecture 5

Lecture 6

Lecture 7

Lecture 8

Lecture 9

Lecture 10

Lecture 11

Lecture 12

Lecture 13

Lecture 14

Lecture 15

Lecture 16

Lecture 17

Lecture 18

Lecture 19

Lecture 20

Lecture 21

Lecture 22

Lecture 23

Lecture 24

Lecture 25

Lecture 26

Lecture 27

Lecture 28

Lecture 29

Lecture 30

Lecture 31

Lecture 32

Lecture 33

Lecture 34

Lecture 35

Lecture 36

Lecture 37

Lecture 38

Lecture 39

Lecture 40

Lecture 41

Lecture 42

Lecture 43

NPTEL : NOC:Advanced Algorithmic Trading and Portfolio Management (Management)

Co-ordinators : Prof. Abhinava Tripathi

Lecture 1

Lecture 2

Lecture 3

Lecture 4

Lecture 5

Lecture 6

Lecture 7

Lecture 8

Lecture 9

Lecture 10

Lecture 11

Lecture 12

Lecture 13

Lecture 14

Lecture 15

Lecture 16

Lecture 17

Lecture 18

Lecture 19

Lecture 20

Lecture 21

Lecture 22

Lecture 23

Lecture 24

Lecture 25

Lecture 26

Lecture 27

Lecture 28

NPTEL : NOC:Advanced Financial Instruments for Sustainable Business and Decentralized Markets (Management)

Co-ordinators : Prof. Abhinava Tripathi

Lecture 1

Lecture 2

Lecture 3

Lecture 4

Lecture 5

Lecture 6

Lecture 7

Lecture 8

Lecture 9

Lecture 10

Lecture 11

Lecture 12

Lecture 13

Lecture 14

Lecture 15

Lecture 16

Lecture 17

Lecture 18

Lecture 19

Lecture 20

Lecture 21

Lecture 22

Lecture 23

Lecture 24

Lecture 25

Lecture 26

Lecture 27

Lecture 28

Lecture 29

Lecture 30

Lecture 31

Lecture 32

Lecture 33

Lecture 34

Lecture 35

Lecture 36

NPTEL : NOC:Multivariate Procedures with R (Management)

Co-ordinators : Prof. Narendra K Sharma

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 (X2), 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

NPTEL : NOC:Business Marketing - Technology Focus (Management)

Co-ordinators : Prof. Jayanta Chatterjee

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 decsions

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 Communicaion

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

NPTEL : NOC:Advanced R Programming for Data Analytics in Business (Management)

Co-ordinators : Prof. Abhinava Tripathi

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

Lecture 32 - Introduction to ARMA process

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

Lecture 41 - PCA and clustering - Part 2

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

NPTEL : NOC:Advanced Financial Analytics (Management)

Co-ordinators : Prof. Abhinava Tripathi

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 GGPLOT

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

Lecture 33 - Classification Algorithms: Application - Part 2

Lecture 34 - Introduction to Panel Data Modelling

Lecture 35 - Panel Data Application and Implementation with R

Lecture 36 - Maximum Likelihood Estimation (MLE)

Lecture 37 - Quantile Regression - Part 1

Lecture 38 - Quantile Regression - Part 2

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

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 - Multicolinearity Problem

Lecture 21 - Multicolinearity 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

NPTEL : International Business Communication (Management)

Co-ordinators : Prof. A. Malic

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...)

Lecture 26 - Consumer Perception, Risk and Imagery (Continued...)

Lecture 27 - Consumer Attitudes

Lecture 28 - Consumer Attitudes (Continued...)

Lecture 29 - Consumer Attitudes (Continued...)

Lecture 30 - Consumer Communication

Lecture 31 - Consumer Communication (Continued...)

Lecture 32 - Consumer Groups and Reference Groups

Lecture 33 - Family and Family Life Cycle

Lecture 34 - Social Class and Mobility, Lifestyle Analysis

Lecture 35 - Culture, Sub-Culture and Cross-Culture

Lecture 36 - Culture, Sub-Culture and Cross-Culture (Continued...)

Lecture 37 - Interpersonal Communication and Influence

Lecture 38 - Opinion Leadership

Lecture 39 - Diffusion of Innovation

Lecture 40 - Diffusion of Innovation (Continued...)

NPTEL : International Finance (Management)

Co-ordinators : Dr. Arun K. Misra

Lecture 1 - International Financial Environment

Lecture 2 - International Financial Transactions

Lecture 3 - Gold Standard

Lecture 4 - Purchasing Power Parity

Lecture 5 - Floating and Fixed Exchange Rate Regimes

Lecture 6 - Currency Boards and Currency Basket Systems

Lecture 7 - Features of Foreign Exchange Market

Lecture 8 - Exchange Rate Arithmetic

Lecture 9 - Understanding Merchant Rates

Lecture 10 - Foreign Exchange Forward Contracts

Lecture 11 - Value at Risk for Foreign Exchange Market

Lecture 12 - International Parity Conditions and Movement Exchange Rate

Lecture 13 - Exchange Rate Determination and Forecasting

Lecture 14 - Development of Foreign Exchange Market in India

Lecture 15 - Foreign Exchange Exposures : Transaction Exposure

Lecture 16 - Transaction Exposure Management

Lecture 17 - Foreign Exchange Futures Market for Transaction Exposure Management

Lecture 18 - Foreign Currency Options : Transaction Exposure Management

Lecture 19 - Interest Rate Swaps

Lecture 20 - Currency Swaps

Lecture 21 - Operating Exposure Assessment

Lecture 22 - Operating Exposure Management

Lecture 23 - International Capital Structure and Capital Assets Pricing Model

Lecture 24 - International Capital Budgeting

Lecture 25 - Evaluation of Foreign Direct Investment

Lecture 26 - Cross Listing of Shares : Depository Receipts

Lecture 27 - International Financial Integration

Lecture 28 - World Trade Organisation

Lecture 29 - India's Forex Reserves Composition and Determinants of Optimum Reserves

Lecture 30 - Movement of Exchange Rates in India

Lecture 31 - International Trade Theory

Lecture 32 - International Bond Market

Lecture 33 - India's Foreign Trade - Direction and Composition

Lecture 34 - Financial Stability

Lecture 35 - Test-1

Lecture 36 - Money and Forex Market Interaction : Indian Experience

Lecture 37 - Test-2

Lecture 38 - Characteristics of Indian Foreign Exchange Market

Lecture 39 - Test-3

Lecture 40 - Test-4

NPTEL : Applied Multivariate Statistical Modeling (Management)

Co-ordinators : Dr. J. Maiti

Lecture 1 - Introduction to multivariate statistical modeling

Lecture 2 - Introduction to multivariate statistical modeling (Continued...)

Lecture 3 - Univariate descriptive statistics

Lecture 4 - Sampling distribution

Lecture 5 - Estimation

Lecture 6 - Estimation (Continued...)

Lecture 7 - Hypothesis testing

Lecture 8 - Multivariate descriptive statistics

Lecture 9 - Multivariate descriptive statistics (Continued...)

Lecture 10 - Multivariate normal distribution

Lecture 11 - Multivariate normal distribution (Continued...)

Lecture 12 - Multivariate Inferential Statistics

Lecture 13 - Multivariate Inferential Statistics (Continued...)

Lecture 14 - ANOVA (Analysis of Varianace)

Lecture 15 - Analysis of Variance (Continued...)

Lecture 16 - Multivariate Analysis of Variance (MANOVA)

Lecture 17 - MANOVA (Continued...)

Lecture 18 - Tutorial - ANOVA

Lecture 19 - Tutorial ANOVA (Continued...)

Lecture 20 - MANOVA - Case Study

Lecture 21 - Multiple Regression â€“ Introduction

Lecture 22 - MLR - Sampling distribution of regression coefficients

Lecture 23 - MLR - Model adequacy tests

Lecture 24 - MLR - Test of assumptions

Lecture 25 - MLR - Model diagnostics

Lecture 26 - MLR - Case Study

Lecture 27 - Multivariate Linear Regression

Lecture 28 - Multivariate Linear Regression - Estimation

Lecture 29 - Multivariate Linear Regression - Model Adequacy tests

Lecture 30 - Principal Component Analysis (PCA)

Lecture 31 - PCA - Model Adequacy & Interpretation

Lecture 32 - Regression Modeling using SPSS

Lecture 33 - Factor Analysis

Lecture 34 - Factor Analysis - Estimation & Model Adequacy testing

Lecture 35 - Factor Analysis - Model Adequacy, rotation, factor scores & case study

Lecture 36 - Cluster Analysis

Lecture 37 - Cluster Analysis (Continued...)

Lecture 38 - Introduction to Structural Equation Modeling (SEM)

Lecture 39 - SEM - Measurement Model

Lecture 40 - SEM - Structural Model

Lecture 41 - Correspondence Analysis

Lecture 42 - Correspondence Analysis (Continued...)

NPTEL : Economics, Management, Entrepreneurship (Management)

Co-ordinators : Prof. P.K.J. Mohapatra

Lecture 1 - Introduction

Lecture 2 - Market Equilibrium : Demand and Supply

Lecture 3 - Elasticity of Demand

Lecture 4 - Demand Forecasting

Lecture 5 - Production

Lecture 6 - Exercises on Economics

Lecture 7 - Cost - Volume - Profit Relationships

Lecture 8 - Cost Management Systems and Activity Costing Systems

Lecture 9 - Relevant Information and Decision Making

Lecture 10 - Cost Allocation

Lecture 11 - Exercises on Economics (Continued...)

Lecture 12 - Double - Entry Bookkeeping

Lecture 13 - Job Costing

Lecture 14 - Process Costing

Lecture 15 - The Master Budget

Lecture 16 - Flexible Budegst and Variance Analysis

Lecture 17 - Financial Statements

Lecture 18 - Financial Statements (Continued...)

Lecture 19 - Analysis of Financial Statements

Lecture 20 - Exercises (Continued...)

Lecture 21 - Time Value of Money

Lecture 22 - Comparison of Alternatives

Lecture 23 - Comparison of Alternatives (Continued...)

Lecture 24 - Comparison of Alternatives (Continued...)

Lecture 25 - Depreciation Accounting

Lecture 26 - Depreciation Accounting (Continued...)

Lecture 27 - Exercises

Lecture 28 - Evolution of Management Thoughts

Lecture 29 - Functions of Management

Lecture 30 - Functions of Management (Continued...)

Lecture 31 - Functions of Management (Continued...)

Lecture 32 - Directing

Lecture 33 - Product Development

Lecture 34 - Forecasting Revisited

Lecture 35 - Forecasting Revisited (Continued...)

Lecture 36 - Forecasting Revisited (Continued...)

Lecture 37 - Capacity Planning

Lecture 38 - Capacity Planning (Continued...) and Plant Location

Lecture 39 - Product Service Strategies and Plant Layout

Lecture 40 - Plant Lauout (Continued...) and Production Planning and Control

Lecture 41 - Production Planning and Control (Continued...)

Lecture 42 - Inventory Management

Lecture 43 - Inventory Management (Continued...)

Lecture 44 - Supply Chain Management

Lecture 45 - Supply Chain Management (Continued...) and Marketing Management

Lecture 46 - Marketing Management (Continued...)

Lecture 47 - Forms of Ownership

Lecture 48 - Starting a New Company and Small - scale Industrial Undertakings

Lecture 49 - Capital Financing

Lecture 50 - Entrepreneurship - Final Words

NPTEL : NOC:Principles of Human Resource Management (Management)

Co-ordinators : Prof. A Malik

Lecture 1 - Introduction to HRM

Lecture 2 - Job Analysis and Design

Lecture 3 - Employee testing and selection

Lecture 4 - Performance appraisal

Lecture 5 - Performance evaluation and feedback

Lecture 6 - The Training process: Assessment of training needs and Training methods

Lecture 7 - General and Specific Training and Evaluation of Training

Lecture 8 - Career Management and planning

Lecture 9 - Career Development

Lecture 10 - Compensation

Lecture 11 - Pay for performance systems

Lecture 12 - Pay and Reward systems

Lecture 13 - Benefits

Lecture 14 - Separation and Administration of Benefits

Lecture 15 - Business Ethics

Lecture 16 - Ethical Aspects of HRM Activities

Lecture 17 - Employee Health

Lecture 18 - Employee Wellbeing in the Workplace

Lecture 19 - Organized Labor

Lecture 20 - Managing the Labor Relations Process

Lecture 21 - International HRM

Lecture 22 - Global Employment Law, Industrial Relations and International Ethics

Lecture 23 - Challenges to International HRM

Lecture 24 - Strategic HRM

Lecture 25 - Multilevel Model of Strategic HRM

Lecture 26 - Strategic HRM in a Networked World

Lecture 27 - Sustainable HRM

Lecture 28 - HR Measurement and Accountability

Lecture 29 - Types of Score Cards

Lecture 30 - Discipline in Organizations

Lecture 31 - Dealing with Difficult Employees

Lecture 32 - Using HRM to Prevent the Need for Discipline

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

Co-ordinators : Dr. Prabina Rajib

Lecture 1 - Introduction to Commodity Derivatives and Risk Management

Lecture 2 - Introduction to Commodity Derivatives and Risk Management (Continued...)

Lecture 3 - Futures Contract Specifications

Lecture 4 - Futures Contract Specifications (Continued...)

Lecture 5 - Futures Contract - Mark-to-Market Margin

Lecture 6 - Commodity Options and Commodity Spreads

Lecture 7 - Pricing and Valuations of Futures Contract

Lecture 8 - Pricing and Valuations of Futures Contract (Continued...)

Lecture 9 - Convenience Field, Contango-Backwardation

Lecture 10 - Commodity Basic Risk - Part I

Lecture 11 - Commodity Basic Risk - Part II

Lecture 12 - Minimum Variance Hedge Ratio - Part I

Lecture 13 - Minimum Variance Hedge Ratio - Part II

Lecture 14 - Commodity Indexes - Part I

Lecture 15 - Commodity Indexes - Part II

Lecture 16 - Agri-Commodity Price Risk Management - Part I

Lecture 17 - Agri-Commodity Price Risk Management - Part II

Lecture 18 - Seasonality in Agri-Commodity, Contango and Backwardation - Part I

Lecture 19 - Seasonality in Agri-Commodity, Contango and Backwardation - Part II

Lecture 20 - Commodity Prices Determination - Part I

Lecture 21 - Commodity Prices Determination - Part II

Lecture 22 - Crude Oil Derivatives - Part I

Lecture 23 - Crude Oil Price Determination

Lecture 24 - Spot-Futures Relationship in Crude Oil - Part I

Lecture 25 - Spot-Futures Relationship in Crude Oil - Part II

Lecture 26 - Hedging of Crude Oil and Refined Product Price Risk - Part I

Lecture 27 - Hedging of Crude Oil and Refined Product Price Risk - Part II

Lecture 28 - Introduction to Gold and Gold Derivatives

Lecture 29 - LBMA, Gold Spot Price and Gold Derivatives

Lecture 30 - OTC Contracts on Gold and Gold Dehedge

Lecture 31 - Spot Trading of Electricity in India - Part I

Lecture 32 - Spot Trading of Electricity in India - Part II

Lecture 33 - Weather Derivatives - Part I

Lecture 34 - Weather Derivatives - Part II

Lecture 35 - Introduction to Carbon Credit Market

Lecture 36 - Carbon Derivatives

Lecture 37 - Physical Market for Freight, Freight Exchanges, Freight Indexes

Lecture 38 - Hedging Freight rate Risk with Freight Rate Derivatives

Lecture 39 - Metal Derivatives and London Metal Exchange (LME)

Lecture 40 - Real Estate Derivatives

NPTEL : NOC:Strategic Communication for Sustainable Development (Management)

Co-ordinators : Prof. A Malik

Lecture 1 - Introduction

Lecture 2 - Models for Public Participation in Sustainable Development

Lecture 3 - Role of Communication in Sustainable Development

Lecture 4 - Sustainability Communication

Lecture 5 - Approaches to Sustainability Communication : Strong Sustainability

Lecture 6 - Approaches to Sustainability Communication : Integrative Approach

Lecture 7 - Sociological Perspectives on Sustainability Communication

Lecture 8 - Psychological Perspectives on Sustainability Communication

Lecture 9 - Psychological Perspectives on Sustainability Communication (Continued...)

Lecture 10 - Steyn and Puth's Model for Communication Strategy

Lecture 11 - Application of Steyn and Puth's Model to Development

Lecture 12 - Tools of Strategic Communication for Sustainable Development

Lecture 13 - Role of Strategic Communication for Sustainable Development

Lecture 14 - Role of Stakeholders in Strategic Communication for Sustainable Development

Lecture 15 - Systems Approach to Identifying Decisive Information

Lecture 16 - Adapting CSR Communication Strategies to Sustainable Development

Lecture 17 - Strategic Conversations

Lecture 18 - Creating a Strategic Communication Plan

Lecture 19 - Communication for Behavioral Impact (COMBI) for Sustainable Development

Lecture 20 - Media and Sustainability Communication

Lecture 21 - ICTs in Sustainable Development

Lecture 22 - Community Informatics

Lecture 23 - Challenges to the use of ICTs in Sustainable Development Efforts

Lecture 24 - Wrap up and Conclusion

NPTEL : NOC:Consumer Behaviour (Management)

Co-ordinators : Prof. Srabanti Mukherjee

Lecture 1 - Introduction to Consumer Behaviour

Lecture 2 - The Changing Patterns of Consumer Behaviour

Lecture 3 - Dimensions of Consumerism

Lecture 4 - Use of Market Segmentation in Consumer Behaviour

Lecture 5 - Process of Motivation

Lecture 6 - Theories of Motivation

Lecture 7 - Consumer Involvement

Lecture 8 - Case Study on Motivation and Involvement

Lecture 9 - Concept and Levels of Perception

Lecture 10 - Process of Perception

Lecture 11 - Theories of Personality - I

Lecture 12 - Theories of Personality - II

Lecture 13 - Brand Personality and Self concept

Lecture 14 - Theories of Learning

Lecture 15 - Attitude Formation - I

Lecture 16 - Attitude Formation - II

Lecture 17 - Changing Attitude

Lecture 18 - Exercise on Attitude Formation and Change

Lecture 19 - Values

Lecture 20 - AIO Classification

Lecture 21 - VALS - I Typology

Lecture 22 - VALS - TM Typology

Lecture 23

Lecture 24

Lecture 25 - Group Influences on Consumption

Lecture 26 - Role of Celebrity Endorsement

Lecture 27 - Concept of Family and Family Life Cycle

Lecture 28 - Family Buying Decisions

Lecture 29 - Diffusion of Innovations - I

Lecture 30 - Diffusion of Innovations - II

Lecture 31 - Influencing Factors for Adoption and Opinion Leadership

Lecture 32 - Consumer Decision Making

Lecture 33 - Consumer Black Box Model

Lecture 34 - Models of Consumer Behaviour - I

Lecture 35 - Models of Consumer Behaviour - II

Lecture 36 - Models of Consumer Behaviour - III

Lecture 37 - Models of Consumer Behaviour - IV

Lecture 38 - Organisational Buying Behaviour - I

Lecture 39 - Organisational Buying Behaviour - II

Lecture 40 - Dimensions of Consumer Research

NPTEL : NOC:Foundation Course in Managerial Economics (Management)

Co-ordinators : Prof. Barnali Nag

Lecture 1 - Principles of Economics

Lecture 2 - Demand - Supply Framework

Lecture 3 - Determinants of Demand

Lecture 4 - Supply Curve, Determinants of Supply Curve

Lecture 5 - Demand Supply Equilibrium

Lecture 6 - Elasticity of Demand and Supply

Lecture 7 - Determinants of Elasticity of Demand

Lecture 8 - Elasticity and Revenue

Lecture 9 - Elasticity of Supply

Lecture 10 - Demand Supply and Government Policies

Lecture 11 - Demand Supply and Government Policies (Continued...)

Lecture 12 - Taxes and Demand and Supply Framework

Lecture 13 - Elasticity and Taxes

Lecture 14 - Efficiency and Market Equilibrium

Lecture 15 - Production and Cost

Lecture 16 - Costs

Lecture 17 - Cost Curves

Lecture 18 - LR and SR Cost Curves

Lecture 19 - Market Structures

Lecture 20 - Perfect Competition

Lecture 21 - Perfect Competition and Profit Maximization

Lecture 22 - Suppy Curve of Firm in Perfect Competition

Lecture 23 - Supply Curve of Market in Perfect Competition

Lecture 24 - Market Supply (Continued...)

Lecture 25 - Monopoly

Lecture 26 - Monopoly - Determination of Price and Quality

Lecture 27 - Monopoly - Supply and Efficiency

Lecture 28 - Price Discrimination

Lecture 29 - Public Policy and Regulation

Lecture 30 - Monopolistic Competition

Lecture 31 - Monopolistic Competition - Determining P and K

Lecture 32 - Monopolistic Competition - Efficiency and Welfare

Lecture 33 - Monopolistic Competition - Advertising

Lecture 34 - Oligopoly

Lecture 35 - Oligopoly - Determining P and Q

Lecture 36 - Oligopoly - P and Q Outcomes with Example

Lecture 37 - Difference between Market Outcomes

Lecture 38 - Oligopoly - Game Theory

Lecture 39 - Oligopoly - Game Theory (Continued...)

Lecture 40 - Oligopoly Pricing

Lecture 41 - Public Policy in Oligopoly

NPTEL : NOC:Knowledge Management (Management)

Co-ordinators : Prof. K. B. L. Srivastava

Lecture 1 - Introduction to KM

Lecture 2 - Introduction to KM (Continued...)

Lecture 3 - Why KM ?

Lecture 4 - KM System Life Cycle (KSLC)

Lecture 5 - Aligning KM and business strategy

Lecture 6 - Process and models of KM cycle

Lecture 7 - Process and models of KM cycle (Continued...)

Lecture 8 - Knowledge creation and architecture

Lecture 9 - Capturing tacit knowledge

Lecture 10 - Capturing tacit knowledge (Continued...)

Lecture 11 - Knowledge codification

Lecture 12 - Knowledge codification

Lecture 13 - System development: system testing and deployment

Lecture 14 - System development: system testing and deployment (Continued...)

Lecture 15 - Knowledge transfer and knowledge sharing

Lecture 16 - Knowledge infrastructure

Lecture 17 - Knowledge infrastructure (Continued...)

Lecture 18 - Knowledge audit

Lecture 19 - The knowledge team

Lecture 20 - The knowledge team (Continued...)

Lecture 21 - Analysis, design of KM system

Lecture 22 - Analysis, design of KM system

Lecture 23 - Developing the KM system

Lecture 24 - Prototyping and deployment

Lecture 25 - Prototyping and deployment

Lecture 26 - Inferences from data

Lecture 27 - Inferences from data

Lecture 28 - Data mining

Lecture 29 - Data Management

Lecture 30 - Knowledge portals

Lecture 31 - Evaluation of KM effectiveness: Tools and

Lecture 32 - Metrics

Lecture 33 - Legal issues

Lecture 34 - Ethical Issues

Lecture 35 - Managerial issues

Lecture 36 - KM. Experiences form Indian companies

Lecture 37 - KM practices of select industries

Lecture 38 - KM practices of select industries

Lecture 39 - Linking KM with innovation and learning organization

Lecture 40 - Future of KM

NPTEL : NOC:Services Marketing: A Practical Approach (Management)

Co-ordinators : Dr. Biplab Datta

Lecture 1 - Introduction

Lecture 2 - Why Study Services Marketing Management?

Lecture 3 - The Service System

Lecture 4 - Characteristics of Services

Lecture 5 - Understanding the Macro-Environment - I

Lecture 6 - Understanding the Macro-Environment - II

Lecture 7 - Understanding the Macro-Environment - III and Understanding the Micro-Environment - I

Lecture 8 - Understanding the Micro-Environment - II

Lecture 9 - Services Marketing Process

Lecture 10 - Exploring Marketing Oppurtunities - I

Lecture 11 - Exploring Marketing Oppurtunities - II

Lecture 12 - Segmenting the Market, Targeting and Positioning

Lecture 13 - Services Marketing Research

Lecture 14 - Understanding Consumer Behaviour

Lecture 15 - New Service Development

Lecture 16 - The Service Product

Lecture 17 - Service Quality - I

Lecture 18 - Service Quality - II

Lecture 19 - Designing the Service Process - I

Lecture 20 - Designing the Service Process - II

Lecture 21 - Developing Service Personnel

Lecture 22 - Educating Customers

Lecture 23 - Managing Service Delivery Channels

Lecture 24 - Managing Channel Conflict

Lecture 25 - Managing Demand and Capacity - I

Lecture 26 - Managing Demand and Capacity - II

Lecture 27 - Designing the Physical Evidence

Lecture 28 - Managing Integrated Marketing Communications - I

Lecture 29 - Managing Integrated Marketing Communications - II

Lecture 30 - Pricing the Service

Lecture 31 - Managing Customers

Lecture 32 - Managing Service Recovery

Lecture 33 - Providing Service Guarantees

Lecture 34 - Consumer Protection

Lecture 35 - Case Study - I

Lecture 36 - Case Study - II

Lecture 37 - Case Study - III

Lecture 38 - Case Study - IV

Lecture 39 - Case Study - V

NPTEL : NOC:Business Ethics (Management)

Co-ordinators : Dr. Susmita Mukhopadhyay

Lecture 1 - What is Business Ethics? Why Business Ethics is important?

Lecture 2 - Business Ethics in different organizational contexts

Lecture 3 - Globalization: a key context for Business Ethics

Lecture 4 - Sustainability: a key goal for Business Ethics

Lecture 5 - What is Corporation?

Lecture 6 - Corporate Social Responsibility

Lecture 7 - Stakeholder theory of the firm

Lecture 8 - Corporate accountability

Lecture 9 - Corporate citizenship

Lecture 10 - Normative ethical theories and descriptive ethical theories, western modernist ethical theories

Lecture 11 - Western modernist ethical theories (Continued...)

Lecture 12 - Alternative perspectives on ethical theories

Lecture 13 - Indian perspective on Ethics

Lecture 14 - Models of ethical decision making and individual influences on ethical decision making

Lecture 15 - Situational influences on ethical decision making

Lecture 16 - Case Study 1

Lecture 17 - What is Business Ethics Management?

Lecture 18 - Setting standards of ethical behavior

Lecture 19 - Managing stakeholder relationship

Lecture 20 - Assessing ethical performance

Lecture 21 - Organizing for business ethics

Lecture 22 - Shareholders as stakeholders: understanding Corporate Governance

Lecture 23 - Ethical issues in corporate governance

Lecture 24 - Shareholders as citizens of corporation

Lecture 25 - Shareholding for sustainability

Lecture 26 - Financial Management: Overview and perspective

Lecture 27 - Models of organizations

Lecture 28 - Firm-employee relationship

Lecture 29 - Firm-employee relationship (Continued...)

Lecture 30 - Globalization and employment

Lecture 31 - Towards sustainable employment

Lecture 32 - Case Study 2

Lecture 33 - Consumers as stakeholders

Lecture 34 - Ethical issues, marketing and the consumer

Lecture 35 - Globalization and consumers

Lecture 36 - Consumers and corporate citizenship

Lecture 37 - Sustainable consumption

Lecture 38 - Suppliers and competitors as stakeholders

Lecture 39 - Ethical issues and competitors

Lecture 40 - Globalization, suppliers and competitors

Lecture 41 - The corporate citizen in the business community

Lecture 42 - Sustainability and business relationship

Lecture 43 - Civil society and business ethics

Lecture 44 - Ethical issues and CSOs

Lecture 45 - Globalization and CSOs

Lecture 46 - Corporate citizenship and civil society

Lecture 47 - Civil society, business and sustainability

Lecture 48 - Government, regulation and business ethics

Lecture 49 - Ethical issues in the relation between business and government

Lecture 50 - Globalization and business-government relations

Lecture 51 - Corporate citizenship and regulation

Lecture 52 - Governments, business and sustainability

Lecture 53 - Case Study 3

Lecture 54 - Environment and business ethics

Lecture 55 - Ethics of pollution control

Lecture 56 - Ethics of conserving depletable resources

Lecture 57 - Sustainability

Lecture 58 - Information technology and business ethics

Lecture 59 - Data identity and security

Lecture 60 - Computer crimes and IPR

Lecture 61 - TRIPS in India

NPTEL : NOC:Gender Justice and Workplace Security (Management)

Co-ordinators : Prof. Dipa Dube

Lecture 1 - Introduction to Gender Justice

Lecture 2 - Introduction to Gender Justice (Continued...)

Lecture 3 - Introduction to Gender Justice (Continued...)

Lecture 4 - Introduction to Gender Justice (Continued...)

Lecture 5 - International and Constitutional Perspectives

Lecture 6 - International Perspectives

Lecture 7 - Constitutional Perspectives

Lecture 8 - Constitutional Perspectives (Continued...)

Lecture 9 - Constitutional Perspectives (Continued...)

Lecture 10 - Women at workplace

Lecture 11 - Women at workplace (Continued...)

Lecture 12 - Women at workplace (Continued...)

Lecture 13 - Women at workplace (Continued...)

Lecture 14 - Gender Violence- Within and Beyond

Lecture 15 - Gender Violence- Within and Beyond (Continued...)

Lecture 16 - Gender Violence- Within and Beyond (Continued...)

Lecture 17 - Gender Violence- Within and Beyond (Continued...)

Lecture 18 - Gender Violence- Within and Beyond (Continued...)

Lecture 19 - Role of different agencies

Lecture 20 - Role of different agencies (Continued...)

NPTEL : NOC:Corporate Social Responsibility (Management)

Co-ordinators : Prof. Aradhna Malik

Lecture 1 - Introduction to the Course

Lecture 2 - What is CSR?

Lecture 3 - Why CSR?

Lecture 4 - Theories of CSR

Lecture 5 - Theories of CSR (Continued...)

Lecture 6 - Theories of CSR (Continued...)

Lecture 7 - Evolution of CSR

Lecture 8 - Evolution of CSR (Continued...)

Lecture 9 - CSR-Global Timeline

Lecture 10 - CSR-Global Timeline (Continued...)

Lecture 11 - CSR in India

Lecture 12 - CSR in India (Continued...)

Lecture 13 - Who are Stakeholders?

Lecture 14 - The Stakeholder Approach

Lecture 15 - Stakeholders and CSR

Lecture 16 - Stakeholders Theory Perspectives

Lecture 17 - Stakeholder Theory in Action

Lecture 18 - Stakeholder Identification

Lecture 19 - Stakeholder Salience

Lecture 20 - Stakeholder Management

Lecture 21 - Stakeholder Dialogue

Lecture 22 - Management of Stakeholder Diaglogue

Lecture 23 - Planning of CSR Activities: Responsibility Paradigms

Lecture 24 - CSR Design and Implementation: Stakeholder Integration

Lecture 25 - CSR Design and Implementation: Stakeholder Integration (Continued...)

Lecture 26 - CSR Activities: Corporate Social Performance

Lecture 27 - CSR Design and Implementation: CSR Process

Lecture 28 - CSR Activities

Lecture 29 - Bases for Evaluation of CSR Activities

Lecture 30 - Measurement of CSR: Sustainability Indexes

Lecture 31 - An Example of CSR Evaluation: RobecoSAM Sustainability Index

Lecture 32 - CSR in India

Lecture 33 - What is Corporate Governance?

Lecture 34 - Theories of Corporate Governance

Lecture 35 - Why Corporate Governance?

Lecture 36 - Models and Systems of Corporate Governance

Lecture 37 - Implementing Corporate Governance

Lecture 38 - Board of Directors

Lecture 39 - Board of Directors (Continued...)

Lecture 40 - Principles of Corporate Governance

Lecture 41 - Corporate Governance and Corporate Social Responsibility

Lecture 42 - Corporate Governance and Corporate Social Responsibility (Continued...)

Lecture 43 - What is Corporate Citizenship?

Lecture 44 - Stages of Corporate Citizenship

Lecture 45 - Why Corporate Citizenship?

Lecture 46 - Corporate Citizenship and CSR

Lecture 47 - What is Sustainable Development?

Lecture 48 - Corporate Sustainability and CSR

Lecture 49 - Integration of Corporate Sustainability with CSR

Lecture 50 - Integration of Corporate Sustainability with CSR (Continued...)

Lecture 51 - SDG Compass

Lecture 52 - SDG Compass (Continued...)

Lecture 53 - CSR Public Policies: Lessons from Europe

Lecture 54 - CSR Public Policies: Lessons from Europe (Continued...)

Lecture 55 - Consumer Social Responsibility (CnSR)

Lecture 56 - Corporate Social Irresponsibility (CSiR)

Lecture 57 - Future of CSR

Lecture 58 - Wrap-Up

NPTEL : NOC:Decision Modeling (Management)

Co-ordinators : Prof. Biswajit Mahanty

Lecture 1 - Decision Analysis: Introduction (Repplace with the new one)

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 Queing 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

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...)

NPTEL : NOC:E-Business (Management)

Co-ordinators : Prof. Mamata Jenamani

Lecture 1 - Introduction

Lecture 2 - Types of e-business transactions

Lecture 3 - Business Models on the web

Lecture 4 - Business Models on the web (Continued...)

Lecture 5 - Innovative E-Business models for Bricks and Mortar firms

Lecture 6 - Inter and Intra Organizational Business Processes

Lecture 7 - Information system foundations

Lecture 8 - Types of business information system

Lecture 9 - Decision support for the management

Lecture 10 - Enterprise Resource planning

Lecture 11 - Connecting with stakeholders

Lecture 12 - E-procurement - Reengineering the traditional procurement process

Lecture 13 - E-procurement - New paradigms in the procurement process

Lecture 14 - E-procurement - e-procurement Implementation issues and risks

Lecture 15 - Customer relationship management

Lecture 16 - E-Marketing

Lecture 17 - E-Marketing (Continued...)

Lecture 18 - Supply Chain Management - I - The Information flow

Lecture 19 - Supply Chain Management - II - Tntegration

Lecture 20 - Supply Chain Management - III - Interoperability

Lecture 21 - Supply Chain Management - IV - Logistics and distribution

Lecture 22 - Supply Chain Management - V - E-Commerce supply chain

Lecture 23 - Components of E-Business Infrastructure

Lecture 24 - Internet and the Web

Lecture 25 - Networking resources

Lecture 26 - Hardware and software resources

Lecture 27 - Data resources

Lecture 28 - Security categories

Lecture 29 - Security terminologies

Lecture 30 - Digital signature

Lecture 31 - Protocols for security: TLS

Lecture 32 - Impact of security protocol on server performance

Lecture 33 - Digital Payment systems

Lecture 34 - Interoperability of information system

Lecture 35 - Electronic data interchange (EDI)

Lecture 36 - Fundamentals of web services

Lecture 37 - Fundamentals of cloud based systems

Lecture 38 - Automatic data capture using RFID

Lecture 39 - Automatic data capture using RFID and its applications

Lecture 40 - Automatic data capture using RFID and its applications (Continued...)

Lecture 41 - GPS and GIS in supply chain

Lecture 42 - Sensors and IOT: Traceability Across the supply chain

Lecture 43 - Business Analytics and Big data

Lecture 44 - Decision support Concepts

Lecture 45 - Understanding the web log - I

Lecture 46 - Understanding the web log - II

Lecture 47 - Using the Web log: Web usage mining

Lecture 48 - User behaviour modelling from web log

Lecture 49 - User behaviour modelling from web log (Continued...)

Lecture 50 - E-Business Capacity Planning

Lecture 51 - E-Business Capacity Planning (Continued...)

Lecture 52 - Introduction to Recommender System

Lecture 53 - Content Based Recommender System

Lecture 54 - Collaborative Filtering Based Recommender System

Lecture 55 - Association and Demographics Based Recommended System

Lecture 56 - Dynamic Pricing

Lecture 57 - Introduction to Auction

Lecture 58 - Economic Considerations in Auction

Lecture 59 - Winner Determination Problem

Lecture 60 - Online auction issues

NPTEL : NOC:Design and Analysis of Experiments (Management)

Co-ordinators : Prof. Jhareswar Maiti

Lecture 1

Lecture 2

Lecture 3

Lecture 4

Lecture 5

Lecture 6

Lecture 7

Lecture 8

Lecture 9

Lecture 10

Lecture 11

Lecture 12

Lecture 13

Lecture 14

Lecture 15

Lecture 16

Lecture 17

Lecture 18

Lecture 19

Lecture 20

Lecture 21

Lecture 22

Lecture 23

Lecture 24

Lecture 25

Lecture 26

Lecture 27

Lecture 28

Lecture 29

Lecture 30 - Introduction to Factorial Experiments

Lecture 31 - Statistical Analysis of Factorial Experiments

Lecture 32 - Estimation of parameters and model adequacy test for factorial experiement

Lecture 33 - Full_Factorial_Single_Replicate

Lecture 34 - General_Full_factorial_design

Lecture 35 - Blocking_Factorial_design

Lecture 36 - Two_level_Factorial_Experiment

Lecture 37 - Statistical analysis of 2^k factorial design

Lecture 38 - 2_k_Factorial_Design_Single_Replicate

Lecture 39 - 2_k_Factorial_Design_Centre_Points

Lecture 40 - 2_k_Factorial_Design_Optimality_Issues

Lecture 41 - 2_k_ Factorial Design - Issues with Coded Design Variables

Lecture 42 - Blocking and Confounding in 2_k_Factorial Design

Lecture 43 - Blocking and Confounding in 2_k_Factorial Design (Continued...)

Lecture 44 - Blocking and Confounding in 2_k_Factorial Design (Continued...)

Lecture 45 - Fractional factorial design: Introduction

Lecture 46 - Fractional factorial design: Continued...

Lecture 47 - Fractional factorial design: One quarter fraction of the 2k design

Lecture 48 - Alias Structure in Fractional factorial design: Regression Approach

Lecture 49 - General 2^(k-p) Fractional Factorial Design

Lecture 50 - Fractional factorial design: Fold-over Design

Lecture 51 - Plackett-Burman Designs

Lecture 52 - Response Surface Methodology (RSM) - First Order Model

Lecture 53 - Response Surface Methodology (RSM) - First Order Model (Continued...)

Lecture 54 - Experimental Design for Fitting Response Surfaces

Lecture 55 - Response Surface Methodology (RSM): Fitting Second Order Model

Lecture 56 - Analysis of Second Order Response Surface

Lecture 57 - ANOVA using MINITAB

Lecture 58 - Factorial Design using MINITAB

Lecture 59 - Fractional Factorial Design using MINITAB

Lecture 60 - Response Surface Methodology using MINITAB

NPTEL : NOC:Quality Design and Control (Management)

Co-ordinators : Prof. Pradip Kumar Ray

Lecture 1 - History and Evolution of Quality Control and Management

Lecture 2 - History and Evolution of Quality Control and Management

Lecture 3 - History and Evolution of Quality Control and Management

Lecture 4 - History and Evolution of Quality Control and Management

Lecture 5 - History and Evolution of Quality Control and Management

Lecture 6 - Management of Quality - I

Lecture 7 - Management of Quality - I

Lecture 8 - Management of Quality - I

Lecture 9 - Management of Quality - I

Lecture 10 - Management of Quality - I

Lecture 11 - Management of Quality - II

Lecture 12 - Management of Quality - II

Lecture 13 - Management of Quality - II

Lecture 14 - Management of Quality - II

Lecture 15 - Management of Quality - II

Lecture 16 - Statistical Process Control - I

Lecture 17 - Statistical Process Control - I

Lecture 18 - Statistical Process Control - I

Lecture 19 - Statistical Process Control - I

Lecture 20 - Statistical Process Control - I

Lecture 21 - Statistical Process Control - II

Lecture 22 - Statistical Process Control - II (Continued...)

Lecture 23 - Statistical Process Control - II (Continued...)

Lecture 24 - Statistical Process Control - II (Continued...)

Lecture 25 - Statistical Process Control - II (Continued...)

Lecture 26 - Process Capability Analysis

Lecture 27 - Process Capability Analysis (Continued...)

Lecture 28 - Process Capability Analysis (Continued...)

Lecture 29 - Process Capability Analysis (Continued...)

Lecture 30 - Process Capability Analysis (Continued...)

Lecture 31 - Acceptance Sampling - I

Lecture 32 - Acceptance Sampling - I

Lecture 33 - Acceptance Sampling - I

Lecture 34 - Acceptance Sampling - I (Continued...)

Lecture 35 - Acceptance Sampling - I (Continued...)

Lecture 36 - Acceptance Sampling - II

Lecture 37 - Acceptance Sampling - II (Continued...)

Lecture 38 - Acceptance Sampling - II (Continued...)

Lecture 39 - Acceptance Sampling - II (Continued...)

Lecture 40 - Acceptance Sampling - II (Continued...)

Lecture 41 - Design for Reliability - I

Lecture 42 - Design for Reliability - I (Continued...)

Lecture 43 - Design for Reliability - I (Continued...)

Lecture 44 - Design for Reliability - I (Continued...)

Lecture 45 - Design for Reliability - I (Continued...)

Lecture 46 - Design for Reliability - II

Lecture 47 - Design for Reliability - II (Continued...)

Lecture 48 - Design for Reliability - II (Continued...)

Lecture 49 - Design for Reliability - II (Continued...)

Lecture 50 - Design for Reliability - II (Continued...)

Lecture 51 - Quality by Experimental Design

Lecture 52 - Quality by Experimental Design (Continued...)

Lecture 53 - Quality by Experimental Design (Continued...)

Lecture 54 - Quality by Experimental Design (Continued...)

Lecture 55 - Quality by Experimental Design (Continued...)

Lecture 56 - Robust Design and Taguchi Method

Lecture 57 - Robust Design and Taguchi Method (Continued...)

Lecture 58 - Robust Design and Taguchi Method (Continued...)

Lecture 59 - Robust Design and Taguchi Method (Continued...)

Lecture 60 - Robust Design and Taguchi Method (Continued...)

NPTEL : NOC:Business Analytics for Management Decision (Management)

Co-ordinators : Dr. Rudra P. Pradhan

Lecture 1

Lecture 2

Lecture 3

Lecture 4

Lecture 5

Lecture 6

Lecture 7

Lecture 8

Lecture 9

Lecture 10

Lecture 11

Lecture 12

Lecture 13

Lecture 14

Lecture 15

Lecture 16 - Statistical inference

Lecture 17 - Testing of Hypothesis

Lecture 18 - Testing of Hypothesis (Continued...)

Lecture 19 - Confidence Interval

Lecture 20 - Confidence Interval 2

Lecture 21

Lecture 22

Lecture 23

Lecture 24

Lecture 25

Lecture 26

Lecture 27

Lecture 28

Lecture 29

Lecture 30

Lecture 31 - Dummy Modelling

Lecture 32 - Dummy Modelling (Continued...)

Lecture 33 - Panel Data Model

Lecture 34 - Panel Data Model (Continued...)

Lecture 35 - Time Series Forecasting

Lecture 36 - Time Series Forecasting (Continued...)

Lecture 37 - Machine Learning

Lecture 38 - Machine Learning (Continued...)

Lecture 39 - Data Mining

Lecture 40 - Simulation

Lecture 41 - Basics

Lecture 42 - Linear Programming 1

Lecture 43 - Linear Programming 2

Lecture 44 - Special Issues of Linear Programming

Lecture 45 - Simplex Method of Linear Programming

Lecture 46

Lecture 47

Lecture 48

Lecture 49

Lecture 50

Lecture 51

Lecture 52

Lecture 53

Lecture 54

Lecture 55

Lecture 56 - Introduction to decision theory

Lecture 57 - Decision making under uncertainty

Lecture 58 - Decision making under certainty

Lecture 59 - Decision tree

Lecture 60 - The value of information and utility theory

NPTEL : NOC:Soft Skills for Business Negotiations and Marketing Strategies (Management)

Co-ordinators : Prof. Uttam Kumar Bannerjee

Lecture 1 - Introduction to the Course

Lecture 2 - Definition of Hard and Soft Skills

Lecture 3 - Definition of Hard and Soft Skills

Lecture 4 - Discussion on Soft Skills

Lecture 5 - Discussion on Soft Skills (Continued...)

Lecture 6 - Discussion on Soft Skills (Continued...)

Lecture 7 - Discussion on Soft Skills (Continued...)

Lecture 8 - Discussion on Soft Skills (Continued...)

Lecture 9 - Discussion on Soft Skills (Continued...)

Lecture 10 - Discussion on Soft Skills (Continued...)

Lecture 11 - Discussion on Soft Skills (Continued...)

Lecture 12 - Discussion on Soft Skills (Continued...)

Lecture 13 - Discussion on Soft Skills (Continued...)

Lecture 14 - Discussion on Soft Skills (Continued...)

Lecture 15 - Discussion on Soft Skills (Continued...)

Lecture 16 - Discussion on Soft Skills (Continued...)

Lecture 17 - Discussion on Soft Skills (Continued...)

Lecture 18 - Discussion on Soft Skills (Continued...)

Lecture 19 - Discussion on Soft Skills (Continued...)

Lecture 20 - Discussion on Soft Skills (Continued...)

Lecture 21 - Discussion on Soft Skills (Continued...)

Lecture 22 - Discussion on Soft Skills (Continued...)

Lecture 23 - Communications - Verbal and Non-verbal

Lecture 24 - Communications - Verbal and Non-verbal (Continued...)

Lecture 25 - Communications - Verbal and Non-verbal (Continued...)

Lecture 26 - Communications - Verbal and Non-verbal (Continued...)

Lecture 27 - Body Language : For Interviews

Lecture 28 - Body Language : For Interviews (Continued...)

Lecture 29 - Body Language : For Interviews (Continued...)

Lecture 30 - Body Language : For Interviews (Continued...)

Lecture 31 - Body Language : For Interviews (Continued...)

Lecture 32 - Body Language : For Interviews (Continued...)

Lecture 33 - Interviews

Lecture 34 - Judge the Interviewer

Lecture 35 - Gesturs of Interviewer - When you enter

Lecture 36 - Body Language during the Interviews

Lecture 37 - Group Discussions (GD) and Verbal Communication

Lecture 38 - Leadership Quality

Lecture 39 - Negative Impression

Lecture 40 - Art of Speaking

Lecture 41 - Conversation Building, Good Conversation, Frustating Conversation

Lecture 42 - What is Negotiation

Lecture 43 - Purpose of Negotiation

Lecture 44 - Type of Negotiation

Lecture 45 - Negotiation as a Game

Lecture 46 - Key Concepts and our Concepts of Negotiation

Lecture 47 - Basics of negotiation

Lecture 48 - Process sequence phase frequency

Lecture 49 - Managing the process,trickes of countering

Lecture 50 - Barriers to agreements,ending of negotiation

Lecture 51 - Common mistakes

Lecture 52 - Market Strategy, Rule 1 and Rule 2

Lecture 53 - Rule 3 and Rule 4

Lecture 54 - Rule 5, Rule 6, Rule 7 and Rule 8

Lecture 55 - Rule 9, Rule 10, Rule 11 and Rule 12

Lecture 56 - Time Management

NPTEL : NOC:Research Writing (Management)

Co-ordinators : Prof. Aradhna Malik

Lecture 1 - Introduction to the course

Lecture 2 - What is research writing

Lecture 3 - The Writing Process

Lecture 4 - The Writing Process - 2

Lecture 5 - Finding what to read

Lecture 6 - Reading research documents

Lecture 7 - Paying attention to what you read

Lecture 8 - Reviewing Literature

Lecture 9 - Reviewing Literature (Continued...)

Lecture 10 - Elements of writing

Lecture 11 - Reviewing literature

Lecture 12 - Literature review: Supporting your claim

Lecture 13 - Shaping your appeal

Lecture 14 - Outlining

Lecture 15 - Organizing an argument

Lecture 16 - Methodology

Lecture 17 - Tools for writing up literature reviews and methodology

Lecture 18 - Presenting quantitative data

Lecture 19 - Presenting qualitative data

Lecture 20 - Writing the results section

Lecture 21 - Discussion of Results

Lecture 22 - Writing the conclusion section

Lecture 23 - Academic Integrity

Lecture 24 - Using and acknowledging sources

Lecture 25 - Writers Block

Lecture 26 - Revising

Lecture 27 - Mistakes and Fallacies

Lecture 28 - Editing and Proofreading

Lecture 29 - Choosing a journal to publish in

Lecture 30 - Responding to reviewer comments

Lecture 31 - Wrap up

NPTEL : NOC:Engineering Econometrics (Management)

Co-ordinators : Dr. Rudra P. Pradhan

Lecture 1 - Introduction to Engineering Econometrics

Lecture 2 - Introduction to Engineering Econometrics (Continued...)

Lecture 3 - Introduction to Engineering Econometrics (Continued...)

Lecture 4 - Introduction to Engineering Econometrics (Continued...)

Lecture 5 - Introduction to Engineering Econometrics (Continued...)

Lecture 6 - Exploring Data on Spreadsheets

Lecture 7 - Exploring Data on Spreadsheets (Continued...)

Lecture 8 - Exploring Data on Spreadsheets (Continued...)

Lecture 9 - Exploring Data on Spreadsheets (Continued...)

Lecture 10 - Exploring Data on Spreadsheets (Continued...)

Lecture 11 - Descriptive Econometrics

Lecture 12 - Descriptive Econometrics (Continued...)

Lecture 13 - Descriptive Econometrics (Continued...)

Lecture 14 - Descriptive Econometrics (Continued...)

Lecture 15 - Descriptive Econometrics (Continued...)

Lecture 16 - Linear Regression Modelling

Lecture 17 - Linear Regression Modelling (Continued...)

Lecture 18 - Linear Regression Modelling (Continued...)

Lecture 19 - Linear Regression Modelling (Continued...)

Lecture 20 - Linear Regression Modelling (Continued...)

Lecture 21 - Linear Regression Modelling (Continued...)

Lecture 22 - Linear Regression Modelling (Continued...)

Lecture 23 - Modelling Diagnostics

Lecture 24 - Modelling Diagnostics (Continued...)

Lecture 25 - Modelling Diagnostics (Continued...)

Lecture 26 - Multicolinearity problem - III

Lecture 27 - Autocorrelation problem - I

Lecture 28 - Autocorrelation problem - II

Lecture 29 - Heteroskedasticity problem - I

Lecture 30 - Heteroskedasticity problem - II

Lecture 31 - Model Specification- Choosing the Independent Variables

Lecture 32 - Model Specification- Choosing the Independent Variables

Lecture 33 - Non-Linear Regression Modelling - Dummy-Variable Regression Modelling

Lecture 34 - Non-Linear Regression Modelling - Interactive Regression Modelling

Lecture 35 - Non-Linear Regression Modelling - Polynomial (Curvilinear) Regression Model

Lecture 36 - Non-Linear Regression Modelling - Model Transformation

Lecture 37 - Extension of Dummy Regression Modelling

Lecture 38 - Extension of Dummy Regression Modelling - Dummy Independent Variable Modelling

Lecture 39 - Extension of Dummy Regression Modelling - Dummy Dependent Variable Modelling

Lecture 40 - Extension of Dummy Regression Modelling - Dummy Independent Variable Modelling

Lecture 41 - Time Series Modelling - Basics

Lecture 42 - Time Series Modelling - Trend Analysis

Lecture 43 - Time Series Modelling - Trend Analysis (Least Squares Method)

Lecture 44 - Time Series Modelling - Forecasting

Lecture 45 - Time Series Modelling - Stationarity

Lecture 46 - Time Series Modelling - Volatility Modelling

Lecture 47 - Time Series Modelling - Volatility Modelling

Lecture 48 - Time Series Modelling - Volatility Modelling

Lecture 49 - Time Series Modelling - Volatility Modelling

Lecture 50 - Time Series Modelling - Volatility Modelling

Lecture 51 - Time Series Modelling - VAR modelling

Lecture 52 - Time Series Modelling - VAR modelling

Lecture 53 - Panel Data Modelling

Lecture 54 - Panel Data Modelling (Continued...)

Lecture 55 - Panel Data Modelling (Continued...)

Lecture 56 - Panel Data Modelling

Lecture 57 - Fitting Models to Data

Lecture 58 - Fitting Models to Data (Continued...)

Lecture 59 - Fitting Models to Data (Continued...)

Lecture 60 - Fitting Models to Data (Continued...)

NPTEL : NOC:Industrial Safety Engineering (Management)

Co-ordinators : Prof. Jhareswar Maiti

Lecture 1 - Introduction to Industrial Safety Engineering

Lecture 2 - Key concepts and terminologies

Lecture 3 - Key concepts and terminologies-Safety domain ontology

Lecture 4 - Key concepts and terminologies-Risk Assessment and Control

Lecture 5 - Safety Engineering and Accident causing mechanisms

Lecture 6 - Preliminary Hazard List

Lecture 7 - Preliminary Hazard Analysis

Lecture 8 - Hazard and operability study (HAZOP)

Lecture 9 - Failure Modes and Effects Analysis (FMEA)- Identification of Failure Modes

Lecture 10 - Failure Modes and Effects Analysis (FMEA) (Continued...)

Lecture 11 - Application of Hazard Identification Techniques

Lecture 12 - Fault Tree Analysis (FTA) - Construction

Lecture 13 - Fault Tree Analysis (FTA) - Gate by Gate method

Lecture 14 - Fault Tree Analysis (FTA) - Cut-set method

Lecture 15 - Fault Tree Analysis (FTA) - Importance measures

Lecture 16 - Event Tree Analysis (ETA)

Lecture 17 - Bowtie Tool

Lecture 18 - Bow-tie: Common Cause Cut Sets

Lecture 19 - Bow-tie: Cut-sets for Accident Scenarios

Lecture 20 - Bow-tie: Cut-sets for Accident Scenarios (Continued...)

Lecture 21 - Bow-tie: Identification of Safety Barriers

Lecture 22 - Risk Assessment

Lecture 23 - Consequence Assessment

Lecture 24 - Energy Control Model and Hazard Control Hierarchy

Lecture 25 - Safety Function Deployment

Lecture 26 - Ranking of Design Solutions: AHP approach

Lecture 27 - Quantification of Basic Events for Non-repairable Components

Lecture 28 - Quantification of Basic Events: Hazard Rate

Lecture 29 - Quantification of Basic Events: Exponential Distribution

Lecture 30 - Quantification of Basic Events: Weibull Distribution

Lecture 31 - Quantification of Basic Events: Failure to Repair Process

Lecture 32 - Quantification of Basic Events: Combined Process

Lecture 33 - Quantification of Basic Events: Failure and Repair Intensities

Lecture 34 - Computation of combined process parameters: Laplace transform analysis

Lecture 35 - Computation of combined process parameters: Markov Analysis

Lecture 36 - Quantification of Systems Safety and Reliability Block Diagram

Lecture 37 - Systems Safety Quantification: Truth Table Approach

Lecture 38 - Systems Safety Quantification: Structure Function

Lecture 39 - Systems Safety Quantification: Minimal Cut and Minimal Path Representation

Lecture 40 - Systems Safety Quantification: Tutorial

Lecture 41 - Human Error, Classification and Causes

Lecture 42 - Human Error, Classification and Causes (Continued...)

Lecture 43 - Human Error Identification

Lecture 44 - Human Reliability Assessment

Lecture 45 - Human Error Quantification from Expertsâ€™ opinions â€“ Fuzzy Set Approach

Lecture 46 - Accident Investigation

Lecture 47 - Accident Investigation and Analysis: Descriptive Analytics

Lecture 48 - Control Chart Analysis

Lecture 49 - Accident Data Analysis: Regression

Lecture 50 - Accident Data Analysis: Classification Tree

Lecture 51 - Occupational Health and Safety Management Systems(OH&SMS) and OHSAS 18001 - Part I

Lecture 52 - Occupational Health and Safety Management Systems(OH&SMS) and OHSAS 18001 - Part II

Lecture 53 - Occupational Health and Safety Management Systems(OH&SMS) and OHSAS 18001 - Part III

Lecture 54 - Safety Performance Indicators - Part I

Lecture 55 - Safety Performance Indicators - Part II

Lecture 56 - Energy Isolations

Lecture 57 - Virtual Reality - Introduction

Lecture 58 - Geometry of virtual world

Lecture 59 - VR roadmap - A case study

Lecture 60 - Summary

NPTEL : NOC:Management of Inventory Systems (Management)

Co-ordinators : Prof. PK Ray

Lecture 1 - Introduction to Inventory and Materials Management

Lecture 2 - Introduction to Inventory and Materials Management (Continued...)

Lecture 3 - Introduction to Inventory and Materials Management (Continued...)

Lecture 4 - Introduction to Inventory and Materials Management (Continued...)

Lecture 5 - Introduction to Inventory and Materials Management (Continued...)

Lecture 6 - Inventory Problems and Selective Inventory Management

Lecture 7 - Inventory Problems and Selective Inventory Management (Continued...)

Lecture 8 - Inventory Problems and Selective Inventory Management (Continued...)

Lecture 9 - Inventory Problems and Selective Inventory Management (Continued...)

Lecture 10 - Inventory Problems and Selective Inventory Management (Continued...)

Lecture 11 - Static Inventory Problem under Risk

Lecture 12 - Static Inventory Problem under Risk (Continued...)

Lecture 13 - Static Inventory Problem under Risk (Continued...)

Lecture 14 - Static Inventory Problem under Risk (Continued...)

Lecture 15 - Static Inventory Problem under Risk (Continued...)

Lecture 16 - Static Inventory Problems under Uncertainty

Lecture 17 - Static Inventory Problems under Uncertainty (Continued...)

Lecture 18 - Static Inventory Problems under Uncertainty (Continued...)

Lecture 19 - Static Inventory Problems under Uncertainty (Continued...)

Lecture 20 - Static Inventory Problems under Uncertainty (Continued...)

Lecture 21 - Dynamic Inventory Problems under Certainty

Lecture 22 - Dynamic Inventory Problems under Certainty (Continued...)

Lecture 23 - Dynamic Inventory Problems under Certainty (Continued...)

Lecture 24 - Dynamic Inventory Problems under Certainty (Continued...)

Lecture 25 - Dynamic Inventory Problems under Certainty (Continued...)

Lecture 26 - Dynamic Inventory Problems under Risk

Lecture 27 - Dynamic Inventory Problems under Risk (Continued...)

Lecture 28 - Dynamic Inventory Problems under Risk (Continued...)

Lecture 29 - Dynamic Inventory Problems under Risk (Continued...)

Lecture 30 - Dynamic Inventory Problems under Risk (Continued...)

Lecture 31 - MRP, MRP-II and DRP

Lecture 32 - MRP, MRP-II and DRP (Continued...)

Lecture 33 - MRP, MRP-II and DRP (Continued...)

Lecture 34 - MRP, MRP-II and DRP (Continued...)

Lecture 35 - MRP, MRP-II and DRP (Continued...)

Lecture 36 - JIT-based Approaches for Materials Management

Lecture 37 - JIT-based Approaches for Materials Management (Continued...)

Lecture 38 - JIT-based Approaches for Materials Management (Continued...)

Lecture 39 - JIT-based Approaches for Materials Management (Continued...)

Lecture 40 - JIT-based Approaches for Materials Management (Continued...)

Lecture 41 - Basics of Purchasing Management

Lecture 42 - Basics of Purchasing Management (Continued...)

Lecture 43 - Basics of Purchasing Management (Continued...)

Lecture 44 - Basics of Purchasing Management (Continued...)

Lecture 45 - Basics of Purchasing Management (Continued...)

Lecture 46 - Theory of Constraints and Materials Management

Lecture 47 - Theory of Constraints and Materials Management (Continued...)

Lecture 48 - Theory of Constraints and Materials Management (Continued...)

Lecture 49 - Theory of Constraints and Materials Management (Continued...)

Lecture 50 - Theory of Constraints and Materials Management (Continued...)

Lecture 51 - Value Engineering/Analysis and Stores Management

Lecture 52 - Value Engineering/Analysis and Stores Management (Continued...)

Lecture 53 - Value Engineering/Analysis and Stores Management (Continued...)

Lecture 54 - Value Engineering/Analysis and Stores Management (Continued...)

Lecture 55 - Value Engineering/Analysis and Stores Management (Continued...)

Lecture 56 - Logistics and Supply Chain Management

Lecture 57 - Logistics and Supply Chain Management (Continued...)

Lecture 58 - Logistics and Supply Chain Management (Continued...)

Lecture 59 - Logistics and Supply Chain Management (Continued...)

Lecture 60 - Logistics and Supply Chain Management (Continued...)

NPTEL : NOC:Selected Topics in Decision Modeling (Management)

Co-ordinators : Prof. Biswajit Mahanty

Lecture 1 - Dynamic Programming: Introduction

Lecture 2 - Stagecoach Problem

Lecture 3 - An Investment Problem

Lecture 4 - An Investment Problem (Continued...)

Lecture 5 - Further Examples

Lecture 6 - Machine Allocation and Cargo Loading Problem

Lecture 7 - Knapsack Problem

Lecture 8 - Probabilistic Dynamic Programming

Lecture 9 - Probabilistic Dynamic Programming (Continued...)

Lecture 10 - Dijkstra's Algorithm

Lecture 11 - Integer Programming: Introduction

Lecture 12 - Integer Programming: Formulation

Lecture 13 - Integer Programming: Formulation (Continued...)

Lecture 14 - Integer Linear Programming

Lecture 15 - Cutting Plane Method

Lecture 16 - Exhaustive Enumeration and Branch and Bound Techniques

Lecture 17 - Branch and Bound Technique

Lecture 18 - Assignment and Travelling Salesman Problem

Lecture 19 - Travelling Salesman Problem (Continued...)

Lecture 20 - Heuristic Methods for Integer Programming

Lecture 21 - Non-Linear Programming: Introduction

Lecture 22 - Single-Variable Unconstrained Optimization

Lecture 23 - Multi-variable Unconstrained NLP

Lecture 24 - Solving Unconstrained NLP

Lecture 25 - Numerical Methods for Unconstrained NLP

Lecture 26 - Constrained NLP: Lagrange Multipliers

Lecture 27 - Constrained NLP: KKT Conditions

Lecture 28 - Constrained NLP: KKT Conditions (Continued...)

Lecture 29 - Quadratic Programming

Lecture 30 - Example problems on Constrained NLP

Lecture 31 - Introduction to Metaheuristics

Lecture 32 - Genetic Algorithms

Lecture 33 - Genetic Algorithm Process

Lecture 34 - Genetic Algorithm Process (Continued...)

Lecture 35 - Genetic Algorithm Examples

Lecture 36 - Simulated Annealing

Lecture 37 - Tabu Search

Lecture 38 - Particle Swarm Optimization

Lecture 39 - Multi-Objective Optimization

Lecture 40 - NSGA-II Examples

NPTEL : NOC:Ethics in Engineering Practice (Management)

Co-ordinators : Dr. Susmita Mukhopadhyay

Lecture 1 - Introduction to Ethical Reasoning and Engineering Ethics

Lecture 2 - Introduction to Ethical Reasoning and Engineering Ethics (Continued...)

Lecture 3 - Introduction to Ethical Reasoning and Engineering Ethics (Continued...)

Lecture 4 - Professional practice in enginnering

Lecture 5 - Professional practice in enginnering (Continued...)

Lecture 6 - Central Professional responsibilities of engineers

Lecture 7 - Central Professional responsibilities of engineers (Continued...)

Lecture 8 - Workplace Rights and Responsibilities

Lecture 9 - Workplace Rights and Responsibilities (Continued...)

Lecture 10 - Ethics as Design doing Justice to Moral Problems

Lecture 11 - Ethics as Design doing Justice to Moral Problems (Continued...)

Lecture 12 - Intellectual Property Rights and Ethics

Lecture 13 - Intellectual Property Rights and Ethics (Continued...)

Lecture 14 - Trade related Intellectual Property Rights

Lecture 15 - Trade related Intellectual Property Rights in India

Lecture 16 - A brief on Paris Convention, 1967 and The Berne Contract, 1971

Lecture 17 - Computer Software and Digital Information

Lecture 18 - Computer Software and Digital Information (Continued...)

Lecture 19 - Engineers, Nuclear Testing and Weapons

Lecture 20 - Engineers, Nuclear Testing and Weapons (Continued...)

Lecture 21 - Responsibility to Environment

Lecture 22 - Responsibility to Environment (Continued...)

Lecture 23 - Environmental Ethics and Spirituality

Lecture 24 - Engineering as Social Experimentation

Lecture 25 - Research Ethics

Lecture 26 - Research Ethics (Continued...)

Lecture 27 - Engineers as Managers Consultants and Leaders

Lecture 28 - Engineers as Managers Consultants and Leaders (Continued...)

Lecture 29 - Engineers as Managers Consultants and Leaders (Continued...)

Lecture 30 - Key Questions - Ethical Conduct of Engineers

Lecture 31 - Key Questions - Ethical Conduct of Engineers (Continued...)

Lecture 32 - Key Questions - Central Professional Responsibilities of Engineers

Lecture 33 - Key Questions - Central Professional Responsibilities of Engineers (Continued...)

Lecture 34 - Key Questions - Relating to Rights and Responsibilities regarding IPR

Lecture 35 - Key Questions - Relating to Rights and Responsibilities regarding IPR (Continued...)

Lecture 36 - Key Questions - Relating to Rights and Responsibilities regarding IPR (Continued...)

Lecture 37 - Key Questions - Related to Engineers Rights and Duties and Ethics

Lecture 38 - Key Questions - Related to Engineers Rights and Duties and Ethics (Continued...)

Lecture 39 - Leadership Styles and Ethical Conduct

Lecture 40 - Leadership Styles and Ethical Conduct (Continued...)

NPTEL : NOC:Managing Change in Organizations (Management)

Co-ordinators : Prof. Kbl Srivastava

Lecture 1 - Nature of Change Management (1)

Lecture 2 - Nature of Change Management (2)

Lecture 3 - Types of Change

Lecture 4 - Types of Change (Continued...)

Lecture 5 - Types of Change (Continued...)

Lecture 6 - Need for Change

Lecture 7 - Need for Change (Continued...)

Lecture 8 - Scope of Change

Lecture 9 - Scope of Change (Continued...)

Lecture 10 - Scope of Change (Continued...)

Lecture 11 - Diagnosing Organisational Change

Lecture 12 - Diagnosing Organisational Change (Continued...)

Lecture 13 - Diagnosing Organisational Change (Continued...)

Lecture 14 - Resistance to Change

Lecture 15 - Managing Resistance

Lecture 16 - Approaches to Implementing Change

Lecture 17 - Approaches to Implementing Change (Continued...)

Lecture 18 - Approaches to Implementing Change (Continued...)

Lecture 19 - Approaches to Implementing Change (Continued...)

Lecture 20 - Approaches to Implementing Change (Continued...)

Lecture 21 - Implementing Change

Lecture 22 - Vision and Change

Lecture 23 - Vision and Change (Continued...)

Lecture 24 - Vision and Change (Continued...)

Lecture 25 - Vision and Change (Continued...)

Lecture 26 - Communication and Change

Lecture 27 - Communication and Change (Continued...)

Lecture 28 - Communication and Change (Continued...)

Lecture 29 - Sustaining Change

Lecture 30 - Evaluating Change

Lecture 31 - Innovation and Change

Lecture 32 - Innovation and Change (Continued...)

Lecture 33 - Organizational Learning

Lecture 34 - Learning Organization and Change

Lecture 35 - Learning Organization and Change (Continued...)

Lecture 36 - Turnaround Strategy

Lecture 37 - Strategic Convergence and Learning from Change

Lecture 38 - Change Effectiveness

Lecture 39 - Change Management Cases and Examples

Lecture 40 - Change Management Example, Trends and Dynamics

NPTEL : NOC:Financial Institutions and Markets (Management)

Co-ordinators : Dr. Jitendra Mahakud

Lecture 1 - Introduction to Financial System

Lecture 2 - Equilibrium in Financial Markets

Lecture 3 - Efficiency of Financial Markets

Lecture 4 - Measures of Financial Development

Lecture 5 - Financial Development and Economic Growth

Lecture 6 - Systematic risks in financial system

Lecture 7 - Unsystematic risks in financial system

Lecture 8 - Return concepts in financial system

Lecture 9 - Fundamental analysis of financial assets

Lecture 10 - Technical analysis of financial assets

Lecture 11 - Theories of interest rate determination - I

Lecture 12 - Theories of interest rate determination - II

Lecture 13 - Term structure theories of interest rate - I

Lecture 14 - Term structure theories of interest rate - II

Lecture 15 - Term structure theories of interest rate - III

Lecture 16 - Financial market regulation

Lecture 17 - RBI- structure and objective functions

Lecture 18 - Monetary policy instruments

Lecture 19 - Challenges and reforms in monetary policy and central bank autonomy

Lecture 20 - SEBI, IROA and PFRDA: structure and function

Lecture 21 - Commercial banks: Role and Services

Lecture 22 - Commercial banks: Financial statements

Lecture 23 - Commercial bank performance

Lecture 24 - Basel Accords

Lecture 25 - Measure of risk in commercial banks

Lecture 26 - Provident fund and pension fund

Lecture 27 - Insurance companies

Lecture 28 - Mutual funds - I

Lecture 29 - Mutual funds - II

Lecture 30 - NBFCs - I

Lecture 31 - NBFCs - II

Lecture 32 - Venture capital

Lecture 33 - Merchant banks

Lecture 34 - Credit Rating Agencies

Lecture 35 - Non-banking statutory financial organization

Lecture 36 - Call Money Market - I

Lecture 37 - Call Money Market - II

Lecture 38 - Treasury Bills Market

Lecture 39 - Miscellaneous short-term money market - I

Lecture 40 - Miscellaneous short-term money market - II

Lecture 41 - Bond Analysis - I

Lecture 42 - Bond Analysis - II

Lecture 43 - Bond Analysis - III

Lecture 44 - Bond Analysis - IV

Lecture 45 - Bond market in India

Lecture 46 - Stock market - I

Lecture 47 - Stock market - II

Lecture 48 - Stock market - III

Lecture 49 - Stock market - IV

Lecture 50 - Stock market - V

Lecture 51 - Derivatives Market - I

Lecture 52 - Derivatives Market - II

Lecture 53 - Derivatives Market - III

Lecture 54 - Derivatives Market - IV

Lecture 55 - Derivatives Market - V

Lecture 56 - Foreign Exchange Market - I

Lecture 57 - Foreign Exchange Market - II

Lecture 58 - Foreign Exchange Market - III

Lecture 59 - Foreign Exchange Market - IV

Lecture 60 - Foreign Exchange Market - V

NPTEL : NOC:Sales and Distribution Management (Management)

Co-ordinators : Dr. Sangeeta Sahney

Lecture 1 - Introduction to Sales Management

Lecture 2 - Sales Management, Personal Selling, and Salesmanship

Lecture 3 - Functions of Sales Executive and Roles played by Sales Managers

Lecture 4 - Duties and Responsibilities of Sales Managers and the Effective Sales Executive

Lecture 5 - Skills required in Sales Managers and Qualities in a Sales Managers

Lecture 6 - Determining Sales related Marketing Policies

Lecture 7 - Determining Sales related Marketing Policies

Lecture 8 - Strategic Planning, Sales Objectives, Strategies and Tactics

Lecture 9 - The Sales Organization

Lecture 10 - The Sales Organization

Lecture 11 - The Sales Department Relations

Lecture 12 - The Sales Department Relations

Lecture 13 - Planning, Sales forecasting and Budgeting

Lecture 14 - Planning, Sales forecasting and Budgeting

Lecture 15 - Planning, Sales forecasting and Budgeting

Lecture 16 - Buyer-Seller Dyads

Lecture 17 - Diversity of Personal-Selling Situations

Lecture 18 - Theories of Selling

Lecture 19 - Theories of Selling

Lecture 20 - The Selling Process

Lecture 21 - The Selling Process

Lecture 22 - Sales Force Management : Job Analysis

Lecture 23 - Sales Force Management : Recruitment

Lecture 24 - Sales Force Management : Selection

Lecture 25 - Sales Force Management : Training

Lecture 26 - Sales Force Management : Training

Lecture 27 - Sales Force Management : Motivation

Lecture 28 - Sales Force Management : Compensation

Lecture 29 - Sales Force Management : Managing Expenses of Sales Personnel

Lecture 30 - Sales Force Management : Evaluation

Lecture 31 - Sales Force Management : Evaluation

Lecture 32 - Sales Quotas

Lecture 33 - Sales Quotas

Lecture 34 - Sales Territory

Lecture 35 - Sales Territory

Lecture 36 - Distribution Channel Management : Distribution Channels - Part I

Lecture 37 - Distribution Channel Management : Distribution Channels - Part II

Lecture 38 - Channel Systems, Channel Management, Logistics and Marketing Channels - Part I

Lecture 39 - Channel Systems, Channel Management, Logistics and Marketing Channels - Part II

Lecture 40 - International Sales and Channel Management

NPTEL : NOC:Six Sigma (Management)

Co-ordinators : Prof. Jitesh J Thakkar

Lecture 1 - Brief overview of the course

Lecture 2 - Quality concepts and definition

Lecture 3 - History of continuous improvement

Lecture 4 - Six Sigma Principles and Focus Areas - Part 1

Lecture 5 - Six Sigma Principles and Focus Areas - Part 2

Lecture 6 - Six Sigma Applications

Lecture 7 - Quality Management: Basics and Key Concepts

Lecture 8 - Fundamentals of Total Quality Management

Lecture 9 - Cost of quality

Lecture 10 - Voice of customer

Lecture 11 - Quality Function Deployment (QFD)

Lecture 12 - Management and Planning Tools - Part 1

Lecture 13 - Management and Planning Tools - Part 2

Lecture 14 - Six Sigma Project Identification, Selection and Definition

Lecture 15 - Process characteristics and Monitoring

Lecture 16 - Process characteristics and analysis

Lecture 17 - Process Mapping: SIPOC

Lecture 18 - Data Collection and Summarization - Part 1

Lecture 19 - Data Collection and Summarization - Part 2

Lecture 20 - Measurement systems: Fundamentals

Lecture 21 - Measurement systems analysis: Gage R&R study

Lecture 22 - Fundamentals of statistics

Lecture 23 - Probability theory

Lecture 24 - Process capability analysis: Key Concepts

Lecture 25 - Process capability analysis: Measures and Indices

Lecture 26 - Process capability analysis: Minitab Application

Lecture 27 - Non-normal process capability analysis

Lecture 28 - Hypothesis testing: Fundamentals

Lecture 29 - Hypothesis Testing: Single Population Test

Lecture 30 - Hypothesis Testing: Two Population Test

Lecture 31 - Hypothesis Testing: Two Population: Minitab Application

Lecture 32 - Correlation and Regression Analysis

Lecture 33 - Regression Analysis: Model Validation

Lecture 34 - One-Way ANOVA

Lecture 35 - Two-Way ANOVA

Lecture 36 - Multi-vari Analysis

Lecture 37 - Failure Mode Effect Analysis (FMEA)

Lecture 38 - Introduction to Design of Experiment

Lecture 39 - Randomized Block Design

Lecture 40 - Randomized Block Design: Minitab Application

Lecture 41 - Factorial Design

Lecture 42 - Factorial Design: Minitab Application

Lecture 43 - Fractional Factorial Design

Lecture 44 - Fractional Factorial Design: Minitab Application

Lecture 45 - Taguchi Method: Key Concepts

Lecture 46 - Taguchi Method: Illustrative Application

Lecture 47 - Seven QC Tools

Lecture 48 - Statistical Process Control: Key Concepts

Lecture 49 - Statistical Process Control: Control Charts for Variables

Lecture 50 - Operating Characteristic (OC) Curve for Variable Control charts

Lecture 51 - Statistical Process Control: Control Charts for Attributes

Lecture 52 - Operating Characteristic (OC) Curve for Attribute Control charts

Lecture 53 - Statistical Process Control: Minitab Application

Lecture 54 - Acceptance Sampling: Key Concepts

Lecture 55 - Acceptance Sampling Plans for Attributes: Key Concepts

Lecture 56 - Design of Acceptance Sampling Plans for Attributes

Lecture 57 - Acceptance Sampling Plans for Variables

Lecture 58 - Acceptance Sampling: Minitab Application

Lecture 59 - Design for Six Sigma (DFSS): DMADV, DMADOV

Lecture 60 - Design for Six Sigma (DFSS): DFX

Lecture 61 - Team Management

Lecture 62 - Six Sigma: Case study

Lecture 63 - Six Sigma: Summary of key concepts

NPTEL : NOC:Performance and Reward Management (Management)

Co-ordinators : Dr. Susmita Mukhopadhyay

Lecture 1 - Understanding meaning of performance management and reward systems management with performance management process

Lecture 2 - Understanding meaning of performance management and reward systems management with performance management process (Continued...)

Lecture 3 - Understanding meaning of performance management and reward systems management with performance management process (Continued...)

Lecture 4 - Understanding meaning of performance management and reward systems management with performance management process (Continued...)

Lecture 5 - Understanding meaning of performance management and reward systems management with performance management process (Continued...)

Lecture 6 - Developing an understanding as to why performance management and reward management are of strategic importance and their role in strategic planning

Lecture 7 - Developing an understanding as to why performance management and reward management are of strategic importance and their role in strategic planning (Continued...)

Lecture 8 - Developing an understanding as to why performance management and reward management are of strategic importance and their role in strategic planning (Continued...)

Lecture 9 - Developing an understanding as to why performance management and reward management are of strategic importance and their role in strategic planning (Continued...)

Lecture 10 - Developing an understanding as to why performance management and reward management are of strategic importance and their role in strategic planning (Continued...)

Lecture 11 - Implementation of a performance management system, definining performance and choosing a measurement approach and understanding the meaning of results

Lecture 12 - Implementation of a performance management system, definining performance and choosing a measurement approach and understanding the meaning of results (Continued...)

Lecture 13 - Implementation of a performance management system, definining performance and choosing a measurement approach and understanding the meaning of results (Continued...)

Lecture 14 - Implementation of a performance management system, definining performance and choosing a measurement approach and understanding the meaning of results (Continued...)

Lecture 15 - Implementation of a performance management system, definining performance and choosing a measurement approach and understanding the meaning of results (Continued...)

Lecture 16 - Implementing a performance management system in your organization

Lecture 17 - Implementing a performance management system in your organization (Continued...)

Lecture 18 - Implementing a performance management system in your organization (Continued...)

Lecture 19 - Implementing a performance management system in your organization (Continued...)

Lecture 20 - Implementing a performance management system in your organization (Continued...)

Lecture 21 - Role of performance management in employee development, addressing performance management skills and team reward management

Lecture 22 - Role of performance management in employee development, addressing performance management skills and team reward management (Continued...)

Lecture 23 - Role of performance management in employee development, addressing performance management skills and team reward management (Continued...)

Lecture 24 - Role of performance management in employee development, addressing performance management skills and team reward management (Continued...)

Lecture 25 - Role of performance management in employee development, addressing performance management skills and team reward management (Continued...)

Lecture 26 - Overview,reward system, understanding total, strategic and international reward

Lecture 27 - Overview,reward system, understanding total, strategic and international reward (Continued...)

Lecture 28 - Overview,reward system, understanding total, strategic and international reward (Continued...)

Lecture 29 - Overview,reward system, understanding total, strategic and international reward (Continued...)

Lecture 30 - Overview,reward system, understanding total, strategic and international reward (Continued...)

Lecture 31 - Understanding linkage between performance management and reward, an overview of various types of reward; financial reward, non-financial reward; contingent pay scheme; bonus scheme; team pay ; rewarding for business performance; recognition sc

Lecture 32 - Understanding linkage between performance management and reward, an overview of various types of reward; financial reward, non-financial reward; contingent pay scheme; bonus scheme; team pay ; rewarding for business performance; recognition sc

Lecture 33 - Understanding linkage between performance management and reward, an overview of various types of reward; financial reward, non-financial reward; contingent pay scheme; bonus scheme; team pay ; rewarding for business performance; recognition sc

Lecture 34 - Understanding linkage between performance management and reward, an overview of various types of reward; financial reward, non-financial reward; contingent pay scheme; bonus scheme; team pay ; rewarding for business performance; recognition sc

Lecture 35 - Understanding linkage between performance management and reward, an overview of various types of reward; financial reward, non-financial reward; contingent pay scheme; bonus scheme; team pay ; rewarding for business performance; recognition sc

Lecture 36 - Understanding linkage between performance management and reward, an overview of various types of reward; financial reward, non-financial reward; contingent pay scheme; bonus scheme; team pay ; rewarding for business performance; recognition sc

Lecture 37 - Valuing and grading jobs, understanding pay levels, job evaluation schemes, equal pay, market rate analysis, designing of grade and pay structure

Lecture 38 - Valuing and grading jobs, understanding pay levels, job evaluation schemes, equal pay, market rate analysis, designing of grade and pay structure (Continued...)

Lecture 39 - Valuing and grading jobs, understanding pay levels, job evaluation schemes, equal pay, market rate analysis, designing of grade and pay structure (Continued...)

Lecture 40 - Valuing and grading jobs, understanding pay levels, job evaluation schemes, equal pay, market rate analysis, designing of grade and pay structure (Continued...)

Lecture 41 - Valuing and grading jobs, understanding pay levels, job evaluation schemes, equal pay, market rate analysis, designing of grade and pay structure (Continued...)

Lecture 42 - Rewarding Special Groups, rewarding directors and senior executives, sales and customer service staff, knowledge workers and manual workers

Lecture 43 - Rewarding Special Groups, rewarding directors and senior executives, sales and customer service staff, knowledge workers and manual workers (Continued...)

Lecture 44 - Rewarding Special Groups, rewarding directors and senior executives, sales and customer service staff, knowledge workers and manual workers (Continued...)

Lecture 45 - Rewarding Special Groups, rewarding directors and senior executives, sales and customer service staff, knowledge workers and manual workers (Continued...)

Lecture 46 - Rewarding Special Groups, rewarding directors and senior executives, sales and customer service staff, knowledge workers and manual workers (Continued...)

Lecture 47 - Rewarding Special Groups, rewarding directors and senior executives, sales and customer service staff, knowledge workers and manual workers (Continued...)

Lecture 48 - Understanding relevance of employee benefits and pension schemes, employee benefits, flexible benefits, pension scheme, 7th Pay Commission

Lecture 49 - Understanding relevance of employee benefits and pension schemes, employee benefits, flexible benefits, pension scheme, 7th Pay Commission (Continued...)

Lecture 50 - Understanding relevance of employee benefits and pension schemes, employee benefits, flexible benefits, pension scheme, 7th Pay Commission (Continued...)

Lecture 51 - Understanding relevance of employee benefits and pension schemes, employee benefits, flexible benefits, pension scheme, 7th Pay Commission (Continued...)

Lecture 52 - Understanding relevance of employee benefits and pension schemes, employee benefits, flexible benefits, pension scheme, 7th Pay Commission (Continued...)

Lecture 53 - Developing and Implementing Reward Systems

Lecture 54 - Developing and Implementing Reward Systems (Continued...)

Lecture 55 - Developing and Implementing Reward Systems (Continued...)

Lecture 56 - Developing and Implementing Reward Systems (Continued...)

Lecture 57 - Developing and Implementing Reward Systems (Continued...)

Lecture 58 - Understanding the implications of performance and reward management in present organizational dynamics through case studies

Lecture 59 - Understanding the implications of performance and reward management in present organizational dynamics through case studies (Continued...)

Lecture 60 - Understanding the implications of performance and reward management in present organizational dynamics through case studies (Continued...)

Lecture 61 - Understanding the implications of performance and reward management in present organizational dynamics through case studies (Continued...)

Lecture 62 - Understanding the implications of performance and reward management in present organizational dynamics through case studies (Continued...)

Lecture 63 - Understanding the implications of performance and reward management in present organizational dynamics through case studies (Continued...)

NPTEL : NOC:The Ethical Corporation (Management)

Co-ordinators : Prof. Chhanda Chakraborti

Lecture 1 - What is a Corporation

Lecture 2 - Ethical Corporation

Lecture 3 - What is Ethics

Lecture 4 - Law and Ethics, and Responsibilities

Lecture 5 - Why should a Corporation be Ethical

Lecture 6 - Normative Ethical Theories : Utilitarianism

Lecture 7 - Normative Ethical Theories : Deontological Ethics

Lecture 8 - Normative Ethical Theories : Rights and Justice

Lecture 9 - Normative Ethical Theories : Virtue Ethics

Lecture 10 - Normative Ethical Theories : Care Ethics

Lecture 11 - Managing Ethics within the Corporation

Lecture 12 - Managing Ethics within the Organization : Formal Approach

Lecture 13 - Managing Ethics within a Corporation : Formal and Informal Approach

Lecture 14 - How to Manage Inter - Personal Ethical Misconduct at Workplace

Lecture 15 - How to Apply Ethics

Lecture 16 - Understanding Corporate Governance

Lecture 17 - Conflicts and Key Elements in Corporate Governance

Lecture 18 - Specific Areas of Concern in Corporate Governance and Countermeasures - I

Lecture 19 - Specific Areas of Concern in Corporate Governance and Countermeasures - II

Lecture 20 - Concluding Session on Corporate Governance

Lecture 21 - Investing in Human relations: Employees as stakeholders and Investors of Human Capital

Lecture 22 - Employer-employee: Duties and rights from both sides

Lecture 23 - Organization model and employer-employee relation

Lecture 24 - Some specific issues in employer-employee relationship

Lecture 25 - Employees All Over the World

Lecture 26 - The Ethical Corporation : Natural Environment

Lecture 27 - Corporate Obligations to Natural Environment through the Laws

Lecture 28 - Corporate Obligations to Natural Environment through Appeal to Business Sense and Strategy

Lecture 29 - Corporate Obligations to Natural Environment on Ethical Grounds

Lecture 30 - Environmental Obligations : What Can an Ethical Corporation Do?

Lecture 31 - Consumers as Stakeholders and Consumer Protection

Lecture 32 - Ethics of Consumer Protection

Lecture 33 - Consumer ethics: Duty of a Corporation in marketing communication and promotion

Lecture 34 - Consumer ethics: Ethical issues in Marketing Management

Lecture 35 - Consumer Ethics: Duty of the Consumers

Lecture 36 - Competitors as Stakeholders and Fiar Competition

Lecture 37 - What is NOT Fair Competition

Lecture 38 - Competitors as Stakeholders; Global Competition

Lecture 39 - Suppliers as Stakeholders : Ethics in Supply Chain

Lecture 40 - Competitors and Suppliers : What can an Ethical Corporation Do?

NPTEL : NOC:Intellectual Property Rights and Competition Law (Management)

Co-ordinators : Prof. Niharika Sahoo Bhattacharya

Lecture 1 - Concept of Intellectual Property Law Patents

Lecture 2 - Trademark

Lecture 3 - Geographical Indications

Lecture 4 - Copyright

Lecture 5 - Industrial Designs

Lecture 6 - Integrated Circuits Layout Designs

Lecture 7 - Trade Secrets or Undisclosd Information

Lecture 8 - Information Competition Law

Lecture 9 - Introduction to Competition Law (Continued...)

Lecture 10 - Introduction Competieion Low Anti-Competitive Practices

Lecture 11 - Bid-Rigging

Lecture 12 - Introduction Competition Law - Vertical Agreements

Lecture 13 - Abuse of Dominance, Combinations

Lecture 14 - Regulation of Combinations

Lecture 15 - Economic Theory of Ip And Competition

Lecture 16 - Interface Between Ip And Competition

Lecture 17 - The United States Anti-Trust Law

Lecture 18 - Tying Arrangements And Intellectual Property Under Sharman Act

Lecture 19 - Unites States Jurisprudence: Unilateral Refusal To License Or Deal

Lecture 20 - Price Fixing And Antitrust Law

Lecture 21 - Market Allocation And Ipr

Lecture 22 - Vertical Restraints

Lecture 23 - Vertical Restraints (Contd)

Lecture 24 - Enforcement of Anti-Trust Law in United States

Lecture 25 - Introduction To EU Competition Policy And IPR

Lecture 26 - IP Based Conduct under Article 101

Lecture 27 - IP Based Conduct under Article 102

Lecture 28 - IP Based Conduct under Article 102

Lecture 29 - Technology Transfer Agreements

Lecture 30 - TTBER and safe harbor provisions

Lecture 31 - Standard Essential Patents and FRAND Terms

Lecture 32 - Introduction to Competition Law in India (Continued...)

Lecture 33 - Introduction to Competition Law in India (Continued...)

Lecture 34 - Introduction to Competition Law in India (Continued...)

Lecture 35 - IP Licensing and Indian Competition Law

Lecture 36 - IP Licensing and Indian Competition Law (Continued...)

Lecture 37 - IP Licensing and Indian Competition Law (Continued...)

Lecture 38 - IP Licensing and Indian Competition Law (Continued...)

Lecture 39 - Patent and Competition Law

Lecture 40 - Trademark, Copyright and Competition Law

Lecture 41 - TRIPS and Competition Law

Lecture 42 - TRIPS and Competition Law (Continued...)

Lecture 43 - Summary

NPTEL : NOC:Patent Search for Engineers and Lawyers (Management)

Co-ordinators : Prof. Shreya Matilal

Lecture 1 - Introduction to IPR

Lecture 2 - IP-Economic Rationale

Lecture 3 - Patentability-Novelty - I

Lecture 4 - Patentability-Novelty - II

Lecture 5 - Non-Obviousness

Lecture 6 - How to read a patent document

Lecture 7 - How to read a patent document

Lecture 8 - Introduction to patent search

Lecture 9 - Introduction to patent search

Lecture 10 - Fundamentals of patent search

Lecture 11 - Fundamentals of patent search

Lecture 12 - Hands on Patent Search

Lecture 13 - Hands on Patent Search

Lecture 14 - Hands on Patent Search - Sequence Search

Lecture 15 - Hands on Patent Search - Emerging areas of Technology

Lecture 16 - Types of patent Search

Lecture 17 - Types of patent Search (Continued...)

Lecture 18 - Types of patent Search (Continued...)

Lecture 19 - Types of patent Search, Validity Search

Lecture 20 - Invalidity Search

Lecture 21 - Types of Patent Search FTO

Lecture 22 - Types of Patent Search

Lecture 23 - Introduction to patent landscape

Lecture 24 - Introduction to patent landscape (Continued...)

Lecture 25 - Introduction to patent landscape (Continued...)

Lecture 26 - Hands on Patent Landscape

Lecture 27 - Hands on Patent Landscape (Continued...)

Lecture 28 - Hands on Patent Landscape (Continued...)

Lecture 29 - Hands on Patent Landscape (Continued...)

Lecture 30 - Hands on Patent Landscape (Continued...)

Lecture 31 - Analytical tools for Patent search and analysis

Lecture 32 - Analytical tools for Patent search and analysis (Continued...)

Lecture 33 - Analytical tools for Patent search and analysis (Continued...)

Lecture 34 - Analytical tools for Patent search and analysis (Continued...)

Lecture 35 - Analytical tools for Patent search and analysis (Continued...)

Lecture 36 - Analytical tools for Patent search and analysis (Continued...)

Lecture 37 - Administrative Enforcement

Lecture 38 - Judicial Enforcement

Lecture 39 - DOE

Lecture 40 - Patent Infringement

NPTEL : NOC:Modelling and Analytics for Supply Chain Management (Management)

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

Lecture 1 - Introduction to Modelling and Analytics for Supply Chain Management

Lecture 2 - Introduction to Modelling and Analytics In Supply Network

Lecture 3 - Decisions and Performance Measures In Supply Chain

Lecture 4 - Introduction to Analytics in Supply Chain

Lecture 5 - Analytics Framework Based on SCOR Model

Lecture 6 - Design Options for Distribution Network

Lecture 7 - Supplier selection Analytics

Lecture 8 - Supplier selection Analytics (Continued...)

Lecture 9 - Supplier selection Analytics (Continued...)

Lecture 10 - Supplier selection Analytics (Continued...)

Lecture 11 - Supplier selection Analytics (Continued...)

Lecture 12 - Transportation cost - I

Lecture 13 - Transportation cost - II

Lecture 14 - Transportation cost - III

Lecture 15 - Transportation cost - IV

Lecture 16 - Warehouse location models - I

Lecture 17 - Warehouse location models - II

Lecture 18 - Warehouse location models - III

Lecture 19 - Warehouse location models - IV

Lecture 20 - Warehouse layout

Lecture 21 - Space calculation - I

Lecture 22 - Space calculation - II

Lecture 23 - Performance of the entire supply chain

Lecture 24 - Data envelopment analysis

Lecture 25 - Concepts in inventory management - I

Lecture 26 - Concepts in inventory management - II

Lecture 27 - Concepts in inventory management - III

Lecture 28 - Concepts in inventory management - IV

Lecture 29 - Concepts in inventory management - V

Lecture 30 - Safety Stock and Reorder Level

Lecture 31 - Continuous Review System

Lecture 32 - Continuous Review System (Continued...)

Lecture 33 - Periodic Review System

Lecture 34 - Periodic Review System (Continued...)

Lecture 35 - Transportation system - India and World

Lecture 36 - Transport Costing

Lecture 37 - Public transport costing

Lecture 38 - Fixing Fare for public transportation system

Lecture 39 - Foreign trade logistics

Lecture 40 - Analytical Hierarchy Processing (AHP) Method

Lecture 41 - Technique of Order Preference by Similarity to Ideal Solution (TOPSIS) Method

Lecture 42 - TOPSIS and VIKOR Method

Lecture 43 - VIKOR and ISM Method

Lecture 44 - VIKOR and ISM Method

Lecture 45 - Forecasting Simple and Weighted Average Mean Square Error

Lecture 46 - Forecasting Exponential Smoothing Method

Lecture 47 - Forecasting Seasonality in Forecasting

Lecture 48 - Forecasting Trend Regression and Holt's Method

Lecture 49 - Forecasting Trend Holt's and Winters Method

Lecture 50 - Forecasting Multi Period Forecasting

Lecture 51 - Information Distortions; Coordination and Collaboration Modelling

Lecture 52 - Information Distortions; Coordination and Collaboration Modelling

Lecture 53 - Six Sigma and queuing in Coordination

Lecture 54 - Queuing in Coordination; Measuring the Degree of Coordination

Lecture 55 - Risk Analytics in Supply Network Design

Lecture 56 - Risk Analytics in Supply Network Design (Continued...)

Lecture 57 - Designing the global supply chain : Tax advantages

Lecture 58 - Designing the global supply chain : Tax advantages (Continued...)

Lecture 59 - Designing the global supply chain : Transhipment

Lecture 60 - Designing the global supply chain : Flexibility and Total Cost

Lecture 61 - Designing the global supply chain : Flexibility and Total Cost (Continued...)

Lecture 62 - Designing the global supply chain : Echelons

NPTEL : NOC:Marketing Analytics (Management)

Co-ordinators : Prof. Swagato Chatterjee

Lecture 1 - Introduction to R programming

Lecture 2 - Introduction to R programming (Continued...)

Lecture 3 - Introduction to R programming (Continued...)

Lecture 4 - Introduction to R programming (Continued...)

Lecture 5 - Introduction to R programming (Continued...)

Lecture 6 - Introduction to R programming (Continued...)

Lecture 7 - What Consumers Want

Lecture 8 - What Consumers Want (Continued...)

Lecture 9 - What Consumers Want (Continued...)

Lecture 10 - What Consumers Want (Continued...)

Lecture 11 - What Consumers Want (Continued...)

Lecture 12 - What Consumers Want (Continued...)

Lecture 13 - Segmentation Targeting and Positioning

Lecture 14 - Segmentation Targeting and Positioning (Continued...)

Lecture 15 - Segmentation Targeting and Positioning (Continued...)

Lecture 16 - Segmentation Targeting and Positioning (Continued...)

Lecture 17 - Segmentation Targeting and Positioning (Continued...)

Lecture 18 - Demand Forecasting and Pricing

Lecture 19 - Demand Forecasting and Pricing (Continued...)

Lecture 20 - Demand Forecasting and Pricing (Continued...)

Lecture 21 - Demand Forecasting and Pricing (Continued...)

Lecture 22 - Pricing

Lecture 23 - Pricing (Continued...)

Lecture 24 - Pricing (Continued...)

Lecture 25 - Pricing (Continued...)

Lecture 26 - Pricing (Continued...)

Lecture 27 - Pricing (Continued...)

Lecture 28 - Pricing (Continued...)

Lecture 29 - Marketing Mix Models and Advertising Models

Lecture 30 - Marketing Mix Models and Advertising Models (Continued...)

Lecture 31 - Marketing Mix Models and Advertising Models (Continued...)

Lecture 32 - Marketing Mix Models and Advertising Models (Continued...)

Lecture 33 - Marketing Mix Models and Advertising Models (Continued...)

Lecture 34 - Recommendation Engine and Retail Analytics

Lecture 35 - Recommendation Engine and Retail Analytics (Continued...)

Lecture 36 - Recommendation Engine and Retail Analytics (Continued...)

Lecture 37 - Recommendation Engine and Retail Analytics (Continued...)

Lecture 38 - Recommendation Engine and Retail Analytics (Continued...)

Lecture 39 - Recommendation Engine and Retail Analytics (Continued...)

Lecture 40 - RFM and Market Basket Analysis

Lecture 41 - RFM and Market Basket Analysis (Continued...)

Lecture 42 - RFM and Market Basket Analysis (Continued...)

Lecture 43 - RFM and Market Basket Analysis (Continued...)

Lecture 44 - RFM and Market Basket Analysis (Continued...)

Lecture 45 - Customer Churn and Customer Lifetime Value

Lecture 46 - Customer Churn and Customer Lifetime Value (Continued...)

Lecture 47 - Customer Churn and Customer Lifetime Value (Continued...)

Lecture 48 - Customer Churn and Customer Lifetime Value (Continued...)

Lecture 49 - Customer Churn and Customer Lifetime Value (Continued...)

Lecture 50 - Customer Churn and Customer Lifetime Value (Continued...)

Lecture 51 - Text Mining and Sentiment Analytics

Lecture 52 - Text Mining and Sentiment Analytics (Continued...)

Lecture 53 - Text Mining and Sentiment Analytics (Continued...)

Lecture 54 - Text Mining and Sentiment Analytics (Continued...)

Lecture 55 - Text Mining and Sentiment Analytics (Continued...)

Lecture 56 - Text Mining and Sentiment Analytics (Continued...)

Lecture 57 - Text Mining and Sentiment Analytics (Continued...)

Lecture 58 - Text Mining and Sentiment Analytics (Continued...)

Lecture 59 - Text Mining and Sentiment Analytics (Continued...)

Lecture 60 - Text Mining and Sentiment Analytics (Continued...)

Lecture 61 - Social Network Analysis and Excel Dashboards

Lecture 62 - Social Network Analysis and Excel Dashboards (Continued...)

Lecture 63 - Social Network Analysis and Excel Dashboards (Continued...)

Lecture 64 - Social Network Analysis and Excel Dashboards (Continued...)

Lecture 65 - Social Network Analysis and Excel Dashboards (Continued...)

Lecture 66 - Social Network Analysis and Excel Dashboards (Continued...)

NPTEL : NOC:Management of Commercial Banking (Management)

Co-ordinators : Prof. Jitendra Mahakud

Lecture 1 - Importance and Forms of Commercial Banks

Lecture 2 - Functions, Goals and Constraints of Commercial Banks

Lecture 3 - Regulation of Commercial Banks

Lecture 4 - Financial Statements of Commercial Banks - I

Lecture 5 - Financial Statements of Commercial Banks - II

Lecture 6 - Bank Performance Measures - I

Lecture 7 - Bank Performance Measures - II

Lecture 8 - Bank Performance Measures - III

Lecture 9 - Bank Performance Measures - IV

Lecture 10 - Bank Performance Measures - V

Lecture 11 - Valuation of Bank Stocks - I

Lecture 12 - Valuation of Bank Stocks - II

Lecture 13 - Valuation of Fixed Assets - I

Lecture 14 - Valuation of Fixed Assets - II

Lecture 15 - Valuation of Fixed Assets - III

Lecture 16 - Commercial Bank Risk - I

Lecture 17 - Commercial Bank Risk - II

Lecture 18 - Commercial Bank Risk - III

Lecture 19 - Commercial Bank Risk - IV

Lecture 20 - Commercial Bank Risk - V

Lecture 21 - Overview of Asset Liability Management

Lecture 22 - Dollar Gap Analysis

Lecture 23 - Earnings Sensitivity Analysis

Lecture 24 - Duration Gap Analysis - I

Lecture 25 - Duration Gap Analysis - II

Lecture 26 - Use of Derivatives in ALM - I

Lecture 27 - Use of Derivatives in ALM - II

Lecture 28 - Use of Derivatives in ALM - III

Lecture 29 - Use of Derivatives in ALM - IV

Lecture 30 - Use of Derivatives in ALM - V

Lecture 31 - Management of Lending Activities - I

Lecture 32 - Management of Lending Activities - II

Lecture 33 - Management of Lending Activities - III

Lecture 34 - Management of Lending Activities - IV

Lecture 35 - Management of Lending Activities - V

Lecture 36 - Management of Lending Activities - VI

Lecture 37 - Management of Lending Activities - VII

Lecture 38 - Management of Lending Activities - VIII

Lecture 39 - Management of Lending Activities - IX

Lecture 40 - Management of Lending Activities - X

Lecture 41 - Management Investment Portfolios - I

Lecture 42 - Management Investment Portfolios - II

Lecture 43 - Management Investment Portfolios - III

Lecture 44 - Management Investment Portfolios - IV

Lecture 45 - Management Investment Portfolios - V

Lecture 46 - Managing Liquidity of Commercial Banks - I

Lecture 47 - Managing Liquidity of Commercial Banks - II

Lecture 48 - Managing Liquidity of Commercial Banks - III

Lecture 49 - Managing Liquidity of Commercial Banks - IV

Lecture 50 - Managing Liquidity of Commercial Banks - V

Lecture 51 - Management of Deposits - I

Lecture 52 - Management of Deposits - II

Lecture 53 - Management of Non-Deposit Liabilities

Lecture 54 - Management of Off-Balance Sheet Activities - I

Lecture 55 - Management of Off-Balance Sheet Activities - II

Lecture 56 - Management of Off-Balance Sheet Activities - III

Lecture 57 - Management of Bank Capital - I

Lecture 58 - Management of Bank Capital - II

Lecture 59 - Management of Bank Capital - III

Lecture 60 - Management of Bank Capital - IV

NPTEL : NOC:Behavioral and Personal Finance (Management)

Co-ordinators : Prof. Abhijeet Chandra

Lecture 1 - Introduction to Behavioral Economics and Finance

Lecture 2 - Introduction to Behavioral Economics and Finance (Continued...)

Lecture 3 - Economics of Decision Making

Lecture 4 - Economics of Decision Making (Continued...)

Lecture 5 - Decision Making Under Risk and Uncertainty

Lecture 6 - Decision Making Under Risk and Uncertainty (Continued...)

Lecture 7 - Non-expected Utility Preferences

Lecture 8 - Non-expected Utility Preferences (Continued...)

Lecture 9 - Prospect Theory and Behavioral Biases

Lecture 10 - Prospect Theory and Behavioral Finance

Lecture 11 - Prospect Theory and Behavioral Finance (Continued...)

Lecture 12 - Beliefs, Biases and Heuristics

Lecture 13 - Beliefs, Biases and Heuristics (Continued...)

Lecture 14 - Beliefs, Biases and Heuristics (Continued...)

Lecture 15 - Biases and Financial Decision-Making

Lecture 16 - Biases and Financial Decision-Making (Continued...)

Lecture 17 - Overconfidence and Investor Behavior

Lecture 18 - Valuation of Financial Assets

Lecture 19 - Valuation of Financial Assets (Continued...)

Lecture 20 - Valuation of Financial Assets (Continued...)

Lecture 21 - Portfolio Return and Risk

Lecture 22 - Portfolio Return and Risk (Continued...)

Lecture 23 - Personal Financial Goals

Lecture 24 - Planning Personal Finances

Lecture 25 - Personal Financial Statements

Lecture 26 - Taxes and Financial Planning

Lecture 27 - Taxes and Financial Planning (Continued...)

Lecture 28 - Portfolios for Individual Investors

Lecture 29 - Investment Alternatives for Individual Investors

Lecture 30 - Investing in Mutual Funds

Lecture 31 - Fixed Income Investments

Lecture 32 - Fixed Income Investments (Continued...)

Lecture 33 - Purchasing Decisons

Lecture 34 - Consumer Credit Decisions

Lecture 35 - Loans and Amortization

Lecture 36 - Loans and Amortization (Continued...)

Lecture 37 - Credit Card as Source of Consumer Credit

Lecture 38 - Alternative Investments

Lecture 39 - Alternative Investments (Continued...)

Lecture 40 - Structured Finance: An Overview, Securitization

Lecture 41 - Wealth Managment

NPTEL : NOC:Customer Relationship Management (Management)

Co-ordinators : Prof. Swagato Chatterjee

Lecture 1 - CMR: The Strategic Imperative

Lecture 2 - CMR: The Strategic Imperative (Continued...)

Lecture 3 - CMR: The Strategic Imperative (Continued...)

Lecture 4 - CMR: The Strategic Imperative (Continued...)

Lecture 5 - Co-Creation

Lecture 6 - Co-creation (Continued...)

Lecture 7 - Co-creation (Continued...)

Lecture 8 - Building Customer Relationships

Lecture 9 - Building Customer Relationships (Continued...)

Lecture 10 - Building Customer Relationships (Continued...)

Lecture 11 - Building Customer Relationships (Continued...)

Lecture 12 - Building Customer Relationships (Continued...)

Lecture 13 - Building Customer Relationships (Continued...)

Lecture 14 - Economics of CRM

Lecture 15 - Economics of CRM (Continued...)

Lecture 16 - Economics of CRM (Continued...)

Lecture 17 - Economics of CRM (Continued...)

Lecture 18 - Economics of CRM (Continued...)

Lecture 19 - Economics of CRM (Continued...)

Lecture 20 - Economics of CRM (Continued...)

Lecture 21 - Social CRM

Lecture 22 - Social CRM (Continued...)

Lecture 23 - Social CRM (Continued...)

Lecture 24 - Tchibo Case Study

Lecture 25 - Tchibo Case Study (Continued...)

Lecture 26 - Customer Equity in CRM

Lecture 27 - Customer Equity in CRM (Continued...)

Lecture 28 - CRM in B2C Markets

Lecture 29 - CRM in B2C Markets (Continued...)

Lecture 30 - CRM in B2C Markets (Continued...)

Lecture 31 - CRM in B2C Markets (Continued...)

Lecture 32 - CRM in B2B Markets

Lecture 33 - CRM in B2B Markets (Continued...)

Lecture 34 - CRM in B2B Markets (Continued...)

Lecture 35 - CRM in B2B Markets (Continued...)

Lecture 36 - eCRM: Components and Strategies

Lecture 37 - eCRM: Components and Strategies (Continued...)

Lecture 38 - eCRM: Components and Strategies (Continued...)

Lecture 39 - Contact Centres for CRM

Lecture 40 - Contact Centres for CRM (Continued...)

Lecture 41 - Global CRM

Lecture 42 - Global CRM (Continued...)

NPTEL : NOC:Principles of Management (Management)

Co-ordinators : Prof. S. Srinivasan, Dr. Susmita Mukhopadhyay

Lecture 1 - Definition, Nature, Purpose and Scope of Management

Lecture 2 - Skills, Roles and Functions of Management

Lecture 3 - Principles of Management

Lecture 4 - Scientific Management

Lecture 5 - Evolution of Management Thought

Lecture 6 - Concept, Types, Importance and Process of Planning

Lecture 7 - Characteristics, Nature and Scope and Principles of Planning

Lecture 8 - Traditional objective setting and methods of Planning

Lecture 9 - Strategic Management and Planning

Lecture 10 - Premising and Forecasting of Planning

Lecture 11 - Concept, Types, Importance and Process of Decision Making

Lecture 12 - Different Models of Decision Making

Lecture 13 - Decision Making Styles and Cognitive biases in decision making

Lecture 14 - Barriers of Effective Decision Making

Lecture 15 - Group Decision Making

Lecture 16 - Concept,Importance and Steps of Management by Objectives

Lecture 17 - Concept,Importance and Steps of Management by exception

Lecture 18 - Style of Management (American, Japanese and Indian)

Lecture 19 - Approaches of management including McKinseyâ€™s 7â€™s approach

Lecture 20 - Introduction, strategies, techniques, benefits and rules of Self Management

Lecture 21 - Concept, Importance, Process, Nature, and Principle of Organisation

Lecture 22 - Organisational Design and Structure

Lecture 23 - Coordination in Management

Lecture 24 - Differentiation in management

Lecture 25 - Concept, Types, Importance, Steps, Factors and Advantages of Integration

Lecture 26 - Concept, Types, Importance and Process of Span of Management

Lecture 27 - Concept, types, factors, advantages and disadvantages of Centralisation and Decentralisation

Lecture 28 - Delegation

Lecture 29 - Different issues relating to authority and power

Lecture 30 - Different aspects of line and staff organisation

Lecture 31 - Concept, importance, process and methods of Staffing and HRM

Lecture 32 - Recruitment and Selection

Lecture 33 - Recruitment and Selection (Continued...)

Lecture 34 - Performance Appraisal

Lecture 35 - Performance Appraisal (Continued...)

Lecture 36 - Concept, Types, Importance, Techniques of Career strategy

Lecture 37 - Concept, Types, Importance, Techniques of Career strategy (Continued...)

Lecture 38 - Concept, Types, Importance, Techniques of Career strategy (Continued...)

Lecture 39 - Coordination-Concept, Issues and Techniques

Lecture 40 - Coordination-Concept, Issues and Techniques (Continued...)

Lecture 41 - Concept, importance, elements of organisational change

Lecture 42 - Concept, importance, elements of organisational change (Continued...)

Lecture 43 - Forces and factors of organisational change

Lecture 44 - Resistance to change

Lecture 45 - Theories of change and resistance to change

Lecture 46 - Methods of dealing with change

Lecture 47 - Methods of dealing with change (Continued...)

Lecture 48 - Behavioural reaction to organisational Change

Lecture 49 - Approaches to manage organisational Change

Lecture 50 - Approaches to manage organisational Change

Lecture 51 - Action Research model to manage organisational change

Lecture 52 - Organisational development

Lecture 53 - Leadership, and Its Theories

Lecture 54 - Team and Team Work in Management

Lecture 55 - Human factors and Motivation

Lecture 56 - Communication and Its Barriers

Lecture 57 - Controlling: Issues, Types, Techniques and Importance

Lecture 58 - Budgeting, concept, importance, process and benefits

Lecture 59 - Reporting- concepts, types, importance and advantages

NPTEL : NOC:Decision Support System for Managers (Management)

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

Lecture 1 - Introduction to decision support systems

Lecture 2 - Components of a decision support systems

Lecture 3 - Components of a decision support systems (Continued...)

Lecture 4 - Models in decision support systems

Lecture 5 - Models in decision support systems (Continued...)

Lecture 6 - Structured, Semi-Structured and Unstructured problems; Models

Lecture 7 - Purpose of models; classification of models

Lecture 8 - Solution Techniques - Optimization : Linear Programming

Lecture 9 - Solution Techniques - Optimization : Linear Programming (Continued...)

Lecture 10 - Solution Techniques - Optimization : Integer Programming

Lecture 11 - Decision Support Systems for Forecasting

Lecture 12 - Decision Support Systems for Forecasting (Continued...)

Lecture 13 - Decision Support Systems for Forecasting (Continued...)

Lecture 14 - Decision Support Systems for Forecasting (Continued...)

Lecture 15 - Decision Support Systems for Forecasting (Continued...)

Lecture 16 - Decision Making for Warehouse Location : Factor Rating and Break - Even Method

Lecture 17 - Decision Making for Warehouse Location (Continued..): Centre of gravity; Ardalan heuristic and transportation cost models

Lecture 18 - Estimation of space requirement in a warehouse and concept of economic order quantity (EOQ)

Lecture 19 - Economic order quantity (EOQ) (Continued...)

Lecture 20 - ABC-FSN-VED Analysis; space calculation in a warehouse - for Staging area

Lecture 21 - Space calculation in a warehouse : Space calculation for racks

Lecture 22 - Order Picking; Material handling equipment's

Lecture 23 - Material Safety and Safety Equipment's

Lecture 24 - Automated storage and replenishment systems (AS/RS)

Lecture 25 - Managerial Decision making in the context of warehousing and materials management

Lecture 26 - Issues in HR; Employee Selection

Lecture 27 - Employee Selection, Promotion and Deployment Method - Lp Method

Lecture 28 - Employee Selection, Promotion and Deployment Method - Rating and ranking Method ; Clustering

Lecture 29 - Employee Selection, Promotion and Deployment Method - BCG

Lecture 30 - Strategizing for Business, the SWOT and Porter's Framwork Revisited

Lecture 31 - Fortune at the Bottom of the Pyramid, GE, Rule of Three

Lecture 32 - Self Actualisation Needs, Rural Marketing Challenges

Lecture 33 - Rural Marketing; Balanced ScoreCard

Lecture 34 - Evaluating Investment Proposls : NPV, IRR

Lecture 35 - Costing and Pricing for Public Transport

Lecture 36 - Costing and Pricing for Hospitals

Lecture 37 - Decision Support Systems for Marketing : Decision Support Systems for Media Selection Model

Lecture 38 - Decision Support Systems for Marketing : Decision Support Systems for Media Selection Model (Continued...)

Lecture 39 - Decision Support Systems for Marketing : Decision Support Systems for Product Pricing Model

Lecture 40 - Pricing : Model Selection Using Cross - Validation

Lecture 41 - Taxation and the Distribution Network

Lecture 42 - Transhipment; Flexibility and Six Sigma

Lecture 43 - Flexibility and Total Cost of the Network

Lecture 44 - Risk Analysis for the Distribution Network

Lecture 45 - Echelons in the Network

Lecture 46 - Concept of Variability and Six Sigma

Lecture 47 - Concept of Variability and Six Sigma (Continued...)

Lecture 48 - Roadmap to Six Sigma; Ishikawa Diagram and SIPOC

Lecture 49 - Service Systems : Characteristics; Failure and Recovery

Lecture 50 - Decision Support Systems for Inventory

Lecture 51 - Decision Support Systems for Inventory (Continued...)

Lecture 52 - Decision Support Systems for Inventory (Continued...)

Lecture 53 - Decision Support Systems for Inventory (Continued...)

Lecture 54 - Decision Support Systems for Inventory (Continued...)

Lecture 55 - Decision Support Systems for Operations Management

Lecture 56 - Decision Support Systems for Operations Management (Continued...)

Lecture 57 - Decision Support Systems for Operations Management (Continued...)

Lecture 58 - Decision Support Systems for Operations Management (Continued...)

Lecture 59 - Decision Support Systems for Operations Management (Continued...)

Lecture 60 - DSS for Multi - Item Production - Distribution Planning

NPTEL : NOC:Management Information System (Management)

Co-ordinators : Prof. Kunal Kanti Ghosh, Prof. Surojit Mukherjee, Prof. Saini Das

Lecture 1 - Introduction - Part 1

Lecture 2 - Introduction - Part 2

Lecture 3 - Dimensions of Information System

Lecture 4 - Information Management in the digital world

Lecture 5 - Class discussions and conclusion

Lecture 6 - Data bases and information management

Lecture 7 - Data warehouse and business intelligence

Lecture 8 - Introduction to data mining

Lecture 9 - Data analytics tools and techniques

Lecture 10 - What is ERP ?

Lecture 11 - ERP - Evolution and Benefits

Lecture 12 - Business Benrfits of ERP

Lecture 13 - ERP project management: Challenge, risks and best practices

Lecture 14 - Change management and conclusion

Lecture 15 - Customer relationship management

Lecture 16 - Supply Chain Management - Part 1

Lecture 17 - Supply Chain Management - Part 2

Lecture 18 - Supplier relationship management

Lecture 19 - Product lifecycle maintenance

Lecture 20 - Information Systems for manufacturing management

Lecture 21 - Information Systems for manufacturing management (Continued...)

Lecture 22 - Information Systems for materials management

Lecture 23 - Information Systems for quality management

Lecture 24 - Information Systems for marketing

Lecture 25 - Information Systems for marketing (Continued...)

Lecture 26 - Information Systems for sales and distribution

Lecture 27 - Information Systems for finance and accounting

Lecture 28 - Information Systems for human resource management

Lecture 29 - Information Systems for human resource management (Continued...)

Lecture 30 - Information Systems (IS) strategy

Lecture 31 - Aligning IT with business objectives

Lecture 32 - Balanced Score Card

Lecture 33 - Data Centers, Virtualization and cloud computing

Lecture 34 - Cloud computing and selection of cloud vendor

Lecture 35 - Introduction to E-Commerce

Lecture 36 - B2C Business Models

Lecture 37 - B2C Business Models (Continued...)

Lecture 38 - Unique E-Commerce Business Models

Lecture 39 - Social Commerce and M-Commerce

Lecture 40 - Cloud Computing - Part I

Lecture 41 - Cloud Computing - Part II

Lecture 42 - Internet of Things - Part I

Lecture 43 - Internet of Things - Part II

Lecture 44 - Internet of Things - Part III

Lecture 45 - Big Data and other Emerging Technologies

Lecture 46 - Knowledge Management Systems (KMS)

Lecture 47 - Decision Support Systems

Lecture 48 - Executive Support Systems

Lecture 49 - Expert Systems

Lecture 50 - Learning Management Systems (LMS)

Lecture 51 - Ethical and Social Issues in MIS - I

Lecture 52 - Ethical and Social Issues in MIS - II

Lecture 53 - Security Issues in MIS - I

Lecture 54 - Security Issues in MIS - II

Lecture 55 - Security Issues in MIS - III

Lecture 56 - Managing Global Organization - Globalization - Part 1

Lecture 57 - Global Strategies and Business Organization

Lecture 58 - Shared Services

Lecture 59 - Offshoring/Transitioning Global IT Systems

Lecture 60 - Globalization of Corporates in a Flat World

NPTEL : NOC:Applied Econometrics (Management)

Co-ordinators : Prof. Tutan Ahmed

Lecture 1 - Overview of Module 1 and Introduction of Causality

Lecture 2 - Correlation and Causality

Lecture 3 - Correlation and Causality (Continued...)

Lecture 4 - Correlation and Causality (Continued...)

Lecture 5 - Probability Theory

Lecture 6 - Probability Theory (Continued...)

Lecture 7 - Probability Theory (Continued...)

Lecture 8 - Probability Theory (Continued...)

Lecture 9 - Posterior Probability

Lecture 10 - Bayesian Theorem

Lecture 11 - Bayesian Theorem (Continued...): Repeated Trial

Lecture 12 - Bayesian Theorem (Continued...): Example of Diamond Identification

Lecture 13 - Probability Distribution

Lecture 14 - Double Structure of Variable

Lecture 15 - Probability Distribution (Discrete/Continuous Variable) Random Variable

Lecture 16 - Probability Mass Function (PMF) Probability Density Function (PDF)

Lecture 17 - Expectation, Variance, Covariance

Lecture 18 - Expectation, Variance, Covariance (Continued...)

Lecture 19 - Covariance Rule

Lecture 20 - Bernoulli Distribution

Lecture 21 - Bernoulli Distribution (Continued...)

Lecture 22 - Normal Approximation of Bernoulli Distribution

Lecture 23 - Sampling

Lecture 24 - Sampling (Continued...)

Lecture 25 - Central Limit Theorem

Lecture 26 - Law of Large Numbers LLN

Lecture 27 - Properties of Estimator

Lecture 28 - Conflict Between Unbiasedness and Min Variance

Lecture 29 - T-Distribution

Lecture 30 - Normal Distribution

Lecture 31 - Normal Distribution (Continued...)

Lecture 32 - Hypothesis Testing

Lecture 33 - Decision Rules

Lecture 34 - Level of Significance

Lecture 35 - P Value

Lecture 36 - Power of a Test

Lecture 37 - Confidence Interval

Lecture 38 - Confidence Interval Example

Lecture 39 - Properties of Power of a Test

Lecture 40 - Introduction to Module II

Lecture 41 - Error Term, Coefficient of Determination, Regression Coefficient

Lecture 42 - Error Term, Coefficient of Determination, Regression Coefficient (Continued...)

Lecture 43 - Error Term, Coefficient of Determination, Regression Coefficient (Continued...)

Lecture 44 - Definition : Variable, Parameter and Coefficient

Lecture 45 - Introduction to Regression: Recapitulating Correlation and Causal Thinking

Lecture 46 - Adjusted R-Squared

Lecture 47 - Degrees of Freedom

Lecture 48 - Multiple Regression

Lecture 49 - Multiple Regression (Continued...)

Lecture 50 - Regression Table

Lecture 51 - Regression Table (Continued...)

Lecture 52 - Multicollinearity

Lecture 53 - Multicollinearity (Continued...)

Lecture 54 - Multicollinearity (Continued...)

Lecture 55 - Multicollinearity (Continued...)

Lecture 56 - Multicollinearity (Continued...)

Lecture 57 - Dummy Variable

Lecture 58 - Dummy variable (Continued...)

Lecture 59 - Dummy variable (Continued...)

Lecture 60 - Dummy variable (Continued...)

Lecture 61 - Dummy variable (Continued...)

Lecture 62 - Dummy variable (Continued...)

Lecture 63 - Dummy variable (Continued...)

Lecture 64 - Heteroscedasticity

Lecture 65 - Heteroscedasticity (Continued...)

Lecture 66 - Heteroscedasticity (Continued...)

Lecture 67 - Heteroscedasticity (Continued...)

Lecture 68 - Heteroscedasticity (Continued...)

Lecture 69 - Heteroscedasticity (Continued...)

Lecture 70 - Autocorrelation

Lecture 71 - Autocorrelation (Continued...)

Lecture 72 - Autocorrelation (Continued...)

Lecture 73 - Autocorrelation (Continued...)

Lecture 74 - Autocorrelation (Continued...)

Lecture 75 - Autocorrelation (Continued...)

Lecture 76 - Autocorrelation (Continued...)

Lecture 77 - Autocorrelation (Continued...)

Lecture 78 - Autocorrelation (Continued...)

Lecture 79 - Autocorrelation (Continued...)

Lecture 80 - Autocorrelation (Continued...)

Lecture 81 - Autocorrelation (Continued...)

Lecture 82 - Remedy for Autocorrelation

Lecture 83 - Model Specification

Lecture 84 - Model Specification (Continued...)

Lecture 85 - Model Specification (Continued...)

Lecture 86 - Model Specification (Continued...)

Lecture 87 - Model Specification (Continued...)

Lecture 88 - Model Specification (Continued...)

Lecture 89 - Model Specification (Continued...)

Lecture 90 - Model Specification (Continued...)

Lecture 91 - Continuation with Proxy Variable

Lecture 92 - Ramsey Reset Test

Lecture 93 - Introduction to Module III

Lecture 94 - Non Stochastic Regressor

Lecture 95 - Stochastic Regressor

Lecture 96 - Assumptions for Regression Models with Non-Stochastic Regressor

Lecture 97 - Assumptions for Regression Model with Stochastic Regressor

Lecture 98 - Instrumental Variable

Lecture 99 - Instrumental Variable (Continued...)

Lecture 100 - Asymptotic Property

Lecture 101 - Problem of Endogeneity

Lecture 102 - Simultaneous Equation Model

Lecture 103 - Instrumental Variable for Endogeneity Bias Problem

Lecture 104 - Good Bad and Weak Instrumental Variable

Lecture 105 - Overidentification Underidentification Exact Identification - Instrumental Variable

Lecture 106 - Two Stage Least Square and Instrumental Variable

Lecture 107 - 2SLS and IV with Stata

NPTEL : NOC:Organizational Behaviour - II (Management)

Co-ordinators : Prof. Susmita Mukhopadyay

Lecture 1 - Group and Types, Characteristics

Lecture 2 - Group Properties and Determinants of Group Behaviour

Lecture 3 - Stages, Theories and Models of Group Development

Lecture 4 - Effectiveness of Work Group Behaviour

Lecture 5 - Group Decision Making and Limitations of Group Behaviour

Lecture 6 - Concept and Types of Team

Lecture 7 - How to improve team performance, difference between Team and Group

Lecture 8 - Effectiveness of Teamwork

Lecture 9 - Teamwork Process

Lecture 10 - Teamwork and Leadership

Lecture 11 - Concept and Types of Cooperation and Competition

Lecture 12 - Factors leading to Competition and Cooperation

Lecture 13 - Functions of Cooperation and Competition

Lecture 14 - Models on Competition and Cooperation

Lecture 15 - Benefits and drawbacks of competition and cooperation

Lecture 16 - Communication

Lecture 17 - Communication (Continued...)

Lecture 18 - Communication (Continued...)

Lecture 19 - Communication (Continued...)

Lecture 20 - Communication (Continued...)

Lecture 21 - Conflict

Lecture 22 - Conflict (Continued...)

Lecture 23 - Conflict (Continued...)

Lecture 24 - Conflict (Continued...)

Lecture 25 - Conflict (Continued...)

Lecture 26 - Power and Political Behaviour

Lecture 27 - Power and Political Behaviour (Continued...)

Lecture 28 - Power and Political Behaviour (Continued...)

Lecture 29 - Power and Political Behaviour (Continued...)

Lecture 30 - Power and Political Behaviour (Continued...)

Lecture 31 - Decision making

Lecture 32 - Decision making (Continued...)

Lecture 33 - Decision making (Continued...)

Lecture 34 - Decision making (Continued...)

Lecture 35 - Decision making (Continued...)

Lecture 36 - Leadership Concept Types and Importance

Lecture 37 - Team Leadership Context, Actions

Lecture 38 - Theories of Leadership: Trait, Behavioural, Contingency, LMX, Three Dimensional

Lecture 39 - Leadership Qualities, Techniques and Skills

Lecture 40 - Leadership and Management

Lecture 41 - Problem Solving-Concept, Types and Importance

Lecture 42 - Problem Solving Process, Decision Making and Comparison between

Lecture 43 - Creativity

Lecture 44 - Problem Solving and Creativity in Team

Lecture 45 - Creativity Across Different Paradigms

Lecture 46 - Team and Organization

Lecture 47 - Organizational Culture

Lecture 48 - International Organizational Behaviour

Lecture 49 - Interpersonal Behaviour Across Cultures

Lecture 50 - Organizational Characteristics in Global Context

Lecture 51 - Virtual Team-Concept and importance

Lecture 52 - Virtual Team Models

Lecture 53 - Skills and Competencies of Virtual Team Members

Lecture 54 - Process of Virtual Team Development

Lecture 55 - Factors of Success, Advantages and Disadvantages of Virtual Teams

Lecture 56 - Evaluating Teams

Lecture 57 - Steps of Evaluation

Lecture 58 - Tools, Techniques and Methods of Evaluation

Lecture 59 - Rewarding Teams

Lecture 60 - Rewarding Teams (Continued...)

NPTEL : NOC:Automation in Production Systems and Management (Management)

Co-ordinators : Prof. Pradip Kumar Ray

Lecture 1 - Basic Concepts of Manufacturing Systems, Evolution of Manufacturing Systems

Lecture 2 - Types of Manufacturing Systems and Role of Automation

Lecture 3 - Product-Process-Flexibility Matrices, Four-Plane Concept of Manufacturing

Lecture 4 - Product Design and Manufacturing Systems

Lecture 5 - Definitions and Design Criteria for Production Systems

Lecture 6 - Manufacturing System Components - I

Lecture 7 - Manufacturing System Components - II

Lecture 8 - Industry 4.0

Lecture 9 - Automation Principles and Strategies for Process Improvement

Lecture 10 - Automated Production System Framework

Lecture 11 - Product Development Process: Approaches and stages

Lecture 12 - Mathematical Models for Interaction between Design and Manufacturing

Lecture 13 - Sequential and Concurrent Engineering Approaches for Product Development

Lecture 14 - Characterization of Concurrent Engineering Framework

Lecture 15 - Concurrent Engineering Techniques

Lecture 16 - Introduction to Concept and Application of Numerical Control (NC) Technology

Lecture 17 - Basic Concepts of an NC System

Lecture 18 - NC Coordinate System, NC Motion Control System

Lecture 19 - Features of CNC, Configuration of CNC Machine Control System

Lecture 20 - Numerical Examples

Lecture 21 - Distributed Numerical Control (DNC) and its Configuration

Lecture 22 - NC Part Programming-I (Manual, Computer-assisted)

Lecture 23 - NC Part Programming-II (CAD/CAM, MDI)

Lecture 24 - Interpolation and Part Programming

Lecture 25 - Numerical Examples

Lecture 26 - Group Technology (GT): Concept and Definition

Lecture 27 - Methods and Implementation of GT for Automation

Lecture 28 - Part Family Formation: Tools and Techniques

Lecture 29 - Numerical Examples on Part Family Formation

Lecture 30 - Application of GT for Designing Flexible and Programmable Automation

Lecture 31 - Concept and Definition of Cellular Manufacturing System (CMS)

Lecture 32 - Cell Formation Approaches - I

Lecture 33 - Cell Formation Approaches - II

Lecture 34 - Evaluation of Cell Design, Numerical Examples

Lecture 35 - Production Planning and Control in CMS, Assessment of Solution by Heuristics

Lecture 36 - Types and Definitions of of Flexibility in Manufacturing Systems

Lecture 37 - Volume-Variety Relationships in Production Systems, What is FMS?

Lecture 38 - Basic Features of FMS: PhysicalSsubsystems

Lecture 39 - Basic Features of FMS: Control Subsystems and Manufacturing Control Activities.

Lecture 40 - Types of Problems in FMS

Lecture 41 - Operational Problems in FMS: Tools and Techniques - 1, Problem Formulation

Lecture 42 - Operational Problems in FMS: Tools and Techniques - 2, Numerical Examples

Lecture 43 - Tool Allocation Policies in FMS, Numerical Examples

Lecture 44 - Fixture and Pallet Selection Problems: Numerical Examples

Lecture 45 - Types of FMS Layout, Relative Advantages

Lecture 46 - Fundamentals of Robotics and its Applications

Lecture 47 - Robot Movement and Precision

Lecture 48 - Robot Motion Analysis, Robotic Joints and Links

Lecture 49 - Robot Classification System, Industrial Robot Applications

Lecture 50 - Numerical Examples

Lecture 51 - Definition of Process Planning: Function of Process Plan

Lecture 52 - Basic Steps in Process Plan Development

Lecture 53 - Process Planning Approaches: Manual Experience-based Process Planning

Lecture 54 - Process Planning Approaches: Computer-aided Process Planning

Lecture 55 - CIN and CAPP, Process Optimization and CAPP

Lecture 56 - Process Optimization and CAPP

Lecture 57 - FMS and CAPP

Lecture 58 - Process Optimization and CAPP: Numerical Examples

Lecture 59 - Process Planning and Concurrent Engineering

Lecture 60 - Autonomation (and other TPS Areas and Approaches)

NPTEL : NOC:Corporate Finance (Management)

Co-ordinators : Prof. Abhijeet Chandra

Lecture 1 - Introduction to Corporate Finance

Lecture 2 - Corporate Finance and Corporate Governance

Lecture 3 - Sources of Finance for a Firm

Lecture 4 - Return and Risk

Lecture 5 - Return, Risk and Portfolio Theory

Lecture 6 - Time Value of Money

Lecture 7 - Valuation of Future Cash Flows

Lecture 8 - Valuation of Future Cash Flows (Continued...)

Lecture 9 - Valuation of Bonds

Lecture 10 - Valuation of Stocks

Lecture 11 - Capital Budgeting Decisions

Lecture 12 - Capital Budgeting Decisions (Continued...)

Lecture 13 - Capital Budgeting Techniques - I

Lecture 14 - Capital Budgeting Techniques - II

Lecture 15 - Capital Budgeting Techniques - III

Lecture 16 - Introduction to Cost of Capital

Lecture 17 - Cost of Capital - I

Lecture 18 - Cost of Capital - II

Lecture 19 - Cost of Capital and Firm Value - I

Lecture 20 - Cost of Capital and Firm Value - II

Lecture 21 - Measures of Leverage

Lecture 22 - Measures of Leverage (Continued...)

Lecture 23 - Theories of Capital Structure - I

Lecture 24 - Theories of Capital Structure - II

Lecture 25 - Practical Issues in Capital Structure

Lecture 26 - Working Capital Management - I

Lecture 27 - Working Capital Management - II

Lecture 28 - Measuring Liquidity - I

Lecture 29 - Measuring Liquidity - II

Lecture 30 - Inventory Management - I

Lecture 31 - Inventory Management - II

Lecture 32 - Inventory Management - III

Lecture 33 - Credit Management - I

Lecture 34 - Credit Management - II

Lecture 35 - Credit Management - III

Lecture 36 - Dividend Decisions - I

Lecture 37 - Dividend Decisions - II

Lecture 38 - Applications of Dividend Theories - I

Lecture 39 - Applications of Dividend Theories - II

Lecture 40 - Some Issues in Corporate Finance

NPTEL : NOC:International Marketing (Management)

Co-ordinators : Prof. Biswarup Ghosh

Lecture 1 - Introduction to International Marketing

Lecture 2 - Introduction to International Marketing

Lecture 3 - Introduction to International Marketing

Lecture 4 - Introduction to International Marketing

Lecture 5 - International Business, Entry Modes and Theories

Lecture 6 - International Business, Entry Modes and Theories

Lecture 7 - International Business, Entry Modes and Theories

Lecture 8 - International Business, Entry Modes and Theories

Lecture 9 - International Business, Entry Modes and Theories

Lecture 10 - Hofstede's Cultural Dimensions, Cross-cultural Sales Negotiations

Lecture 11 - Hofstede's Cultural Dimensions, Cross-cultural Sales Negotiations (Continued...)

Lecture 12 - Hofstede's Cultural Dimensions, Cross-cultural Sales Negotiations (Continued...)

Lecture 13 - Hofstede's Cultural Dimensions, Cross-cultural Sales Negotiations (Continued...)

Lecture 14 - Hofstede's Cultural Dimensions, Cross-cultural Sales Negotiations (Continued...)

Lecture 15 - Import Export Procedures

Lecture 16 - Import Export Procedures (Continued...)

Lecture 17 - Import Export Procedures (Continued...)

Lecture 18 - Import Export Procedures (Continued...)

Lecture 19 - Import Export Procedures (Continued...)

Lecture 20 - Designing a Global Marketing Program

Lecture 21 - Designing a Global Marketing Program (Continued...)

Lecture 22 - Designing a Global Marketing Program (Continued...)

Lecture 23 - Designing a Global Marketing Program (Continued...)

Lecture 24 - Designing a Global Marketing Program (Continued...)

Lecture 25 - International Business Case Analysis

Lecture 26 - International Business Case Analysis

Lecture 27 - International Business Case Analysis (Continued...)

Lecture 28 - International Business Case Analysis (Continued...)

Lecture 29 - International Business Case Analysis (Continued...)

Lecture 30 - Learning Session by Practicing Manager

Lecture 31 - Learning session by Practicing Manager (Continued ...)

Lecture 32 - Interaction with Practicing Manager - Question and Answer Session

Lecture 33 - Learning Session by Practicing Manager

Lecture 34 - Learning Session by Practicing Manager followed by Conclusion session

Lecture 35 - Interaction with Practicing Manager

Lecture 36 - Interaction with Practicing Manager (Continued...)

Lecture 37 - Interaction with Practicing Manager (Continued...)

Lecture 38 - Interaction with Practicing Manager (Continued...)

Lecture 39 - Concluding Session

NPTEL : NOC:Retail Management (Management)

Co-ordinators : Prof. Swagato Chatterjee

Lecture 1 - Introduction to Retailing - Part 1

Lecture 2 - Introduction to Retailing - Part 2

Lecture 3 - Introduction to Retailing - Part 3

Lecture 4 - Relationship Management in Retailing

Lecture 5 - Value-based Retailing

Lecture 6 - Retailing Services

Lecture 7 - Loyalty and Reward Programs

Lecture 8 - Strategic Planning in Retailing

Lecture 9 - Global Retailing

Lecture 10 - Retail Business Models by Ownership

Lecture 11 - Franchising in Retail

Lecture 12 - Retail Institutions by Store - Based Strategy Mix

Lecture 13 - Retail Institutions by Store - Based Strategy Mix (Continued...)

Lecture 14 - Retail Institutions by Store - Based Strategy Mix (Continued...)

Lecture 15 - Retail Institutions by Store - Based Strategy Mix (Continued...)

Lecture 16 - Web, Non store-based and Other Forms of Nontraditional Retailing

Lecture 17 - Web, Non store-based and Other Forms of Nontraditional Retailing (Continued...)

Lecture 18 - Identifying and Understanding the Customers

Lecture 19 - Trading Area Analysis

Lecture 20 - Trading Area Analysis (Continued...)

Lecture 21 - Trading Area Analysis (Continued...)

Lecture 22 - Site Selection

Lecture 23 - Site ownership vs Site Leasing

Lecture 24 - Retail Supply Chain Management

Lecture 25 - Retail Supply Chain Management (Continued...)

Lecture 26 - Retail Operations Management - 1

Lecture 27 - Retail Operations Management - 2

Lecture 28 - Retail Operations Management - 3

Lecture 29 - Image in Retail

Lecture 30 - Pricing in Retail

Lecture 31 - Pricing in Retail (Continued...)

Lecture 32 - Pricing in Retail (Continued...)

Lecture 33 - Merchandising in Retail

Lecture 34 - Merchandising in Retail (Continued...)

Lecture 35 - Category Management and Merchandise Planning

Lecture 36 - Retail Promotions

Lecture 37 - Retail Promotions: non-Ad Promotions

Lecture 38 - OBHR Issues in Retail - 1

Lecture 39 - HR Issues in Retail

Lecture 40 - Vendor Negotiations

Lecture 41 - Special Merchandising Contexts - 1

Lecture 42 - Special Merchandising Contexts - 2

Lecture 43 - Store Layout in Retail

Lecture 44 - Retail Operations: Financial Aspects

Lecture 45 - Budgeting and Costing

Lecture 46 - Financial Merchandise Management

Lecture 47 - Merchandise Forecasting, Dollar Control

NPTEL : NOC:Business Law for Managers (Management)

Co-ordinators : Prof. S. Srinivasan, Prof. Kaushik Mukherjee

Lecture 1 - Concept, Definition and Features of Company

Lecture 2 - Various Types of Companies and Their Memberships

Lecture 3 - Meetings of a Company and Memorandum of Associations

Lecture 4 - Corporate Social Responsibility (CSR)

Lecture 5 - Reporting and Various Activities under CSR

Lecture 6 - Concept, Definition and Features of Corporate Governance

Lecture 7 - Effect of Corporate Governance

Lecture 8 - Major Structural Issues

Lecture 9 - Duties and Responsibilities of Directors

Lecture 10 - Corporate Governance a Way Forward

Lecture 11 - Concept, Scope and Features of PIT

Lecture 12 - Investigation and Prohibition on Dealing, Counselling

Lecture 13 - Key Changes in PIT Amendment, 2020

Lecture 14 - Model Code of Conduct for PIT, Trading Initiatives

Lecture 15 - Insider trading examples, PIT Recent Cases and Insider Trading Initiatives

Lecture 16 - Concept, Elements, Importance and Forms of Contracts

Lecture 17 - Concept of Offer, Valid Offer and Essentials of Valid Offer

Lecture 18 - Concept of Fraud, Misrepresentation and Consideration

Lecture 19 - Major Issues related to Contract

Lecture 20 - Law of Insurance

Lecture 21 - Background, Concept and Salient Features of Factories Act

Lecture 22 - Health and Safety

Lecture 23 - Labour Welfare

Lecture 24 - Working Hours

Lecture 25 - Duties of Inspecting Officials

Lecture 26 - Background, Concept and Importance of Legislation for Wages

Lecture 27 - Payment of Wages

Lecture 28 - Minimum Wages

Lecture 29 - Payment of Bonus Act

Lecture 30 - Equal Remuneration Act

Lecture 31 - Social Securities

Lecture 32 - Social securities in unorganised sector

Lecture 33 - The Employeesâ€™ Provident Fund Act

Lecture 34 - Payment of Gratuity Act 1972

Lecture 35 - Employee State Insurance (ESI)

Lecture 36 - Concept and Salient Features of Industries

Lecture 37 - Industrial Relation

Lecture 38 - Industrial Dispute Act

Lecture 39 - Various Authorities under Industrial Dispute Act, 1947

Lecture 40 - Procedure, Power and Duties of Authorities

NPTEL : NOC:Safety and Risk Analytics (Management)

Co-ordinators : Prof. Jhareswar Maiti

Lecture 1 - Introduction to Safety and Risk Management

Lecture 2 - Hazard Triangle

Lecture 3 - Safety Ontology

Lecture 4 - Qualitative Risk Assessment

Lecture 5 - Quantitative Risk Assessment

Lecture 6 - Hazard and Risk Data - I

Lecture 7 - Hazard and Risk Data - II

Lecture 8 - Incident Investigation Data

Lecture 9 - Inspection and Audit Data

Lecture 10 - Behavioral and Organizational Safety Data

Lecture 11 - Data Dimensions and Information Quality

Lecture 12 - Missing Data Handling

Lecture 13 - Data Transformation - I

Lecture 14 - Data Transformation - II

Lecture 15 - Data Reduction - I

Lecture 16 - Data Reduction - II

Lecture 17 - Probability Distribution

Lecture 18 - Sample and Statistics

Lecture 19 - Safety Data Visualization Tools - I

Lecture 20 - Safety Data Visualization Tools - II

Lecture 21 - Safety Data Exploration

Lecture 22 - Leading and Lagging Indicators for Measuring Safety Performance

Lecture 23 - Control Charts for Safety Performance Evaluation and Monitoring

Lecture 24 - Safety Capability Analysis - I

Lecture 25 - Safety Capability Analysis - II

Lecture 26 - Safety Reports and Use of Text Analytics

Lecture 27 - Preprocessing of Text Data - I

Lecture 28 - Preprocessing of Text Data - II

Lecture 29 - Document Classification using KNN

Lecture 30 - Topic Modeling - Latent Dirichlet Allocation

Lecture 31 - Bow-Tie Construction

Lecture 32 - Bow-Tie Quantification - I

Lecture 33 - Bow-Tie Quantification - II: Accident Scenarios/Paths

Lecture 34 - Bow-Tie Quantification - III: Accident Path Quantification

Lecture 35 - Bow-Tie Quantification - IV: Probabilistic Approach using Monte Carlo Simulation

Lecture 36 - Consequence Modeling and Risk Distribution

Lecture 37 - Introduction to Predictive Safety and Risk Analytics

Lecture 38 - Logistic Regression

Lecture 39 - Application of Logistic Regression

Lecture 40 - Classification and Regression Tree (CART)

Lecture 41 - Classification and Regression Tree (CART): Case Study

Lecture 42 - Support Vector Machine

Lecture 43 - Support Vector Machine (Continued...)

Lecture 44 - Application of Support Vector Machine

Lecture 45 - Association Rule Mining

Lecture 46 - Application of Association Rule Mining

Lecture 47 - Statistical Measures of Safety Program Effectiveness - I

Lecture 48 - Statistical Measures of Safety Program Effectiveness - II

Lecture 49 - Statistical Measures of Safety Program Effectiveness - III

Lecture 50 - Intervention Design

Lecture 51 - Risk Based Decision Making - I

Lecture 52 - Risk Based Decision Making - II

Lecture 53 - Risk Based Maintenance - I

Lecture 54 - Risk Based Maintenance - II

Lecture 55 - Introduction to Behavioral Safety

Lecture 56 - Behavioral Safety Data Collection and Preliminary Analysis

Lecture 57 - Causal Modelling - I

Lecture 58 - Causal Modelling - II: Application of Path Model

Lecture 59 - Injury Epidemiology

Lecture 60 - Occupational Safety, Health and Working Conditions Code, 2020 Analytics

NPTEL : NOC:Strategic Management for Competitive Advantage (Management)

Co-ordinators : Prof. Sanjib Chowdhury

Lecture 1 - Introduction and Concept - I

Lecture 2 - Introduction and Concept - II

Lecture 3 - Analysis of micro and macro environment - I

Lecture 4 - Analysis of micro and macro environment - II

Lecture 5 - Competition and Competitive Advantage - I

Lecture 6 - Competition and Competitive Advantage - II

Lecture 7 - Competition and Competitive Advantage - III

Lecture 8 - Framework for Internal Analysis of Firm - I

Lecture 9 - Framework for Internal Analysis of Firm - II

Lecture 10 - Value Chain Analysis

Lecture 11 - Resource-based view of firm and sustainability

Lecture 12 - Strategy Formulation - I

Lecture 13 - Strategy Formulation - II

Lecture 14 - Strategy Formulation - III

Lecture 15 - Diversification - I

Lecture 16 - Diversification - II

Lecture 17 - Mergers and Acquisitions - I

Lecture 18 - Mergers and Acquisitions - II

Lecture 19 - Portfolio Analysis and Display Matrices - I

Lecture 20 - Portfolio Analysis and Display Matrices - II

Lecture 21 - Operating and Financial Analysis

Lecture 22 - Complexities and Challenges of Competing in Global Markets - I

Lecture 23 - Complexities and Challenges of Competing in Global Markets - II

Lecture 24 - Entry Mode Strategies and Main Approaches for International Business

Lecture 25 - Building Competitive Advantage in International Markets

Lecture 26 - Strategies for competing in developing markets, and defending against global giants

Lecture 27 - Resource Allocation

Lecture 28 - 7-S Framework for Organizational Change

Lecture 29 - Strategy Implementation Issues

Lecture 30 - Matching organization structure to strategy

Lecture 31 - Forms of Organization

Lecture 32 - Boundaryless Organization

Lecture 33 - Strategic Leadership - I

Lecture 34 - Strategic Leadership - II

Lecture 35 - Universal Inner Structure of Effective Leaders

Lecture 36 - Strategic Leadership - IV

Lecture 37 - Business and Operational Excellence

Lecture 38 - Strategic and Operational Control

Lecture 39 - Balanced Scorecard Approach

Lecture 40 - Roles and Responsibilities of Board of Directors

Lecture 41 - Strategic Management Role and Style of the Board

Lecture 42 - Composition, structure and other requirements of Board

Lecture 43 - Improve Board Effectiveness, Board and Directorsâ€™ Performance Evaluation

Lecture 44 - Corporate Governance Code

Lecture 45 - Corporate Social Responsibility and Sustainability

Lecture 46 - Social Auditing

Lecture 47 - Innovation for Survival and Growth - I

Lecture 48 - Innovation for Survival and Growth - II

Lecture 49 - Entrepreneurship and Intrapreneurship

Lecture 50 - Technology Management - I

Lecture 51 - Technology Management - II

Lecture 52 - In-house Development of Technology

Lecture 53 - Strategic Importance of Knowledge and Organizational Learning

Lecture 54 - Strategies for Knowledge Management

Lecture 55 - Developing Strategic Plan of a Major Oil Company - I

Lecture 56 - Developing Strategic Plan of a Major Oil Company - II

Lecture 57 - Developing Strategic Plan of a Major Oil Company - III

Lecture 58 - Summary of Modules 1-6

Lecture 59 - Summary of Modules 7-11

Lecture 60 - Summary of Modules 12-18

NPTEL : NOC:Human Factors Engineering (Management)

Co-ordinators : Prof. Virendra Kumar Tewari, Prof. Pradip Kumar Ray

Lecture 1 - Definition, purpose, and development of Human Factors and Ergonomics

Lecture 2 - Types and components of worksystems, their interactions and evaluations

Lecture 3 - Human components, machine components and environment components of worksystems

Lecture 4 - Modern worksystems, FMJ vs FJM

Lecture 5 - Contribution of human factors in systems design, engineering and management

Lecture 6 - Anthropometry in product/process design, MHD, anthropometric design motto

Lecture 7 - Types of anthropometric data, principles of applied anthropometry

Lecture 8 - Examples of anthropometric design, numerical exercises

Lecture 9 - Working Posture Analysis, Postural Triangle, Design for Seated and Standing Workers - Part 1

Lecture 10 - Working Posture Analysis, Postural Triangle, Design for Seated and Standing Workers - Part 2

Lecture 11 - Metabolism during work, Aerobic and anaerobic work, oxygen uptake

Lecture 12 - Physical work capacity and energy expenditure, Individual differences, RWL, MOW

Lecture 13 - MOE expenditure, Subjective measures of physical effort, Borg RPE scale, Factors

Lecture 14 - EE of various operations in agriculture, construction and manufacturing industry - I

Lecture 15 - EE of various operations in agriculture, construction and manufacturing industry - II

Lecture 16 - Types of Injury Problems in Manual Handling Tasks, Types of Activities and Body Movements

Lecture 17 - Biomechanical Modelling and Analysis of Manual Lifting

Lecture 18 - Definitions and Standards of Lifting: NIOSH Lifting Equation

Lecture 19 - EC Guidelines, UK Health and Safety Commission Guidelines

Lecture 20 - Use of Material Handling Aids, Types of Material Handling Devices, Numerical Problems

Lecture 21 - Ergonomic Problems in Computer Workstations, Design Elements of Computer Workstation

Lecture 22 - Specifications of Computer Workstation Design Elements

Lecture 23 - Methods to Reduce Glare/Reflection on Screen

Lecture 24 - Design of Human-Computer Interaction

Lecture 25 - Evolution of Technology in Computer Screen, Numerical Problems

Lecture 26 - Work Postures and Related Complaints, Work Postures for Different Tasks, Task Analysis

Lecture 27 - Power Law of Practice, Learning Curve, Numerical Pro

Lecture 28 - Work Posture Assessment, Rapid Entire Body Assessment (REBA), MSDs/RMIs

Lecture 29 - Hand tool design: Fitting the task, user and hand, Usage of hand tools and types of

Lecture 30 - Design guidelines for hand tools

Lecture 31 - Environment Component in Worksystems, Ergonomic Design of Physical Environment

Lecture 32 - Ergonomic Design Framework for Environment, Importance of Illumination

Lecture 33 - Measurement of Illuminance, Luminance, and Contrast

Lecture 34 - Measures of Contrast, Contrast Ratio under Different Work Situations

Lecture 35 - Direct and Indirect Glare or Reflection, Illumination for Inspection and Quality

Lecture 36 - Problem of Heat Stress at Workplaces, Thermoregulation Process, Acclimation and

Lecture 37 - Thermal Balance Equation and Heat Stress

Lecture 38 - Quality of Thermal Environment, Evaluation of Thermal Environment

Lecture 39 - Whole Body Vibration and Sources of Vibration Discomfort

Lecture 40 - Design guidelines for hand tools

Lecture 41 - Auditory Environment and Human Performance, Measurement of Sound and Noise Exposure

Lecture 42 - Noise Exposure and Hearing Loss, Noise Analysis and Noise Reduction using Engineering

Lecture 43 - Effects of Noise on Performance, Broadbent and Poulton Theories, Interference of Noise

Lecture 44 - Octave bands and examples

Lecture 45 - Ergonomic design ofauditory environmentin different workplaces

Lecture 46 - Concepts of Design for Manufacturing (DFM), Design for Assembly (DHA), and Design

Lecture 47 - Product Design Assessment and Important Measures, Manual Assembly Design Efficiency

Lecture 48 - Assembly Time Determination with PMTS Methods, Human Factors Principles in DHA

Lecture 49 - Maintenance in Manufacturing/Production System - Important Ergonomic Design Issues - Part I

Lecture 50 - Maintenance in Manufacturing/Production System - Important Ergonomic Design Issues - Part II

Lecture 51 - Definition of Shift Work, Problems with Shift Work, Effect on Circadian Rhythms

Lecture 52 - Problems of shift workers, Shift Work and Human Performance

Lecture 53 - Recommended Shift Work Schedules

Lecture 54 - Major Ergonomic Issues and Problems in Shift Work Design - Part 1

Lecture 55 - Major Ergonomic Issues and Problems in Shift Work Design - Part 2

Lecture 56 - Concepts of Ergonomic Performance and its Indicators

Lecture 57 - EPI Assessment Tool Development

Lecture 58 - Factors and their level of assessment

Lecture 59 - Application of EPI Model in Different Worksystems

Lecture 60 - Epilogue

NPTEL : NOC:Organizational Design Change and Transformation (Management)

Co-ordinators : Prof. S. Srinivasan, Prof. Susmita Mukhopadhyay, Prof. Sangeeta Sahney

Lecture 1 - Introduction to Organizational Design

Lecture 2 - Introduction to Organizational Design

Lecture 3 - Introduction to Organizational Design

Lecture 4 - Introduction to Organizational Design

Lecture 5 - Introduction to Organizational Design

Lecture 6 - Organizational Environment

Lecture 7 - Organizational Environment

Lecture 8 - Organizational Environment

Lecture 9 - Organizational Environment

Lecture 10 - Organizational Environment

Lecture 11 - Organizational Structure

Lecture 12 - Organizational Structure

Lecture 13 - Organizational Structure

Lecture 14 - Organizational Structure

Lecture 15 - Organizational Structure

Lecture 16 - Organizational Design and Strategy in a changing Global environment

Lecture 17 - Organizational Design and Strategy in a changing Global environment

Lecture 18 - Organizational Design and Strategy in a changing Global environment

Lecture 19 - Organizational Design and Strategy in a changing Global environment

Lecture 20 - Organizational Design and Strategy in a changing Global environment

Lecture 21 - Organizational Change

Lecture 22 - Organizational Change

Lecture 23 - Organizational Change

Lecture 24 - Organizational Change

Lecture 25 - Organizational Change

Lecture 26 - Managing Conflict, Power, and Politics

Lecture 27 - Managing Conflict, Power, and Politics

Lecture 28 - Managing Conflict, Power, and Politics

Lecture 29 - Managing Conflict, Power, and Politics

Lecture 30 - Managing Conflict, Power, and Politics

Lecture 31 - Organizational culture

Lecture 32 - Organizational culture and socialization

Lecture 33 - Organizational culture and climate

Lecture 34 - Managing organizational culture

Lecture 35 - International aspects of organizational culture

Lecture 36 - Organizational design and technology

Lecture 37 - Technologies and organizational structure

Lecture 38 - Technological theories and organizational design

Lecture 39 - Organizational design and technology: Challenges

Lecture 40 - Organizational competencies

Lecture 41 - Decision making

Lecture 42 - Learning

Lecture 43 - Knowledge management

Lecture 44 - IT and IS

Lecture 45 - IT in Management and Organization

Lecture 46 - Organizational Birth and Growth

Lecture 47 - Organizational Decline and Death

Lecture 48 - Organizational Inertia and Resilience

Lecture 49 - Organizational Transformation

Lecture 50 - Organizational Development and Intervention

Lecture 51 - Innovation: Concept, Types

Lecture 52 - Innovation Framework Model

Lecture 53 - Intrapreneurship

Lecture 54 - Creativity

Lecture 55 - Creativity and Related Issues

Lecture 56 - Creativity and Design Thinking

Lecture 57 - Turnaround Situation: Strategic, Operational and Cultural

Lecture 58 - IT and ICT Intervention

Lecture 59 - Human Resource Intervention

Lecture 60 - Organizational Culture, Transformation and Ethical Values

Lecture 61 - Future Trends for Organizational Transformation

NPTEL : NOC:Mergers, Acquisitions and Corporate Restructuring (Management)

Co-ordinators : Prof. Chandra Sekhar Mishra

Lecture 1 - Introduction to Mergers and Acquisitions - I

Lecture 2 - Introduction to Mergers and Acquisitions - II

Lecture 3 - Theories of Mergers and Acquisitions

Lecture 4 - Legal Environment of M and A in India

Lecture 5 - Case Studies - DO M and A PAY ?

Lecture 6 - Takeover Tactics and Anti-takeover Defenses - 1

Lecture 7 - Takeover Tactics and Anti-takeover Defenses - 1

Lecture 8 - Takeover Tactics and Anti-takeover Defenses - 2

Lecture 9 - Takeover Tactics and Anti-takeover Defenses - 3

Lecture 10 - Acquisition Search and Due Diligence - 1

Lecture 11 - Acquisition Search and Due Diligence - 2

Lecture 12 - Valuation in M and A: Cash Flow Based Approach - 1

Lecture 13 - Valuation in M and A: Cash Flow Based Approach - 3 (Cost of Capital)

Lecture 14 - Valuation in M and A: Cash Flow Based Approach - 4 (Dividend Discount Model)

Lecture 15 - Valuation in M and A: Cash Flow Based Approach - 4 (Dividend Discount Model)

Lecture 16 - Valuation in M and A: Cash Flow Based Approach - 5 (Free Cash Flow Models)

Lecture 17 - Valuation in M and A: Cash Flow Based Approach - 6 (Free Cash Flow Models) (Continued...)

Lecture 18 - Valuation in M and A: Valuation of Synergies - 1

Lecture 19 - Valuation in M and A: Valuation of Synergies - 2

Lecture 20 - Valuation in M and A: Asset Based Valuation

Lecture 21 - Valuation in M and A: Relative Valuation - 1

Lecture 22 - Valuation in M and A: Relative Valuation - 2

Lecture 23 - Alternative Exit and Restructuring Strategies - 1

Lecture 24 - Alternative Exit and Restructuring Strategies - 2

Lecture 25 - Alternative Exit and Restructuring Strategies - 3

Lecture 26 - M and A Deal Structuring - 1

Lecture 27 - M and A Deal Structuring - 2

Lecture 28 - M and A Deal Structuring - 3

Lecture 29 - M and A Deal Structuring - 4

Lecture 30 - M and A Deal Structuring - 5

Lecture 31 - Legal Aspects of M and A - 1

Lecture 32 - Legal Aspects of M and A - 2

Lecture 33 - Legal Aspects of M and A - 3

Lecture 34 - Accounting Aspects of M and A - I

Lecture 35 - Accounting Aspects of M and A - II

Lecture 36 - Alternative Exit and Restructuring Strategies - 1

Lecture 37 - Alternative Exit and Restructuring Strategies - 2

Lecture 38 - Alternative Exit and Restructuring Strategies - 3

Lecture 39 - Leveraged Buyouts

Lecture 40 - Alternative Exit and Restructuring Strategies - Insolvency and Bankruptcy

NPTEL : NOC:Invest Management (Management)

Co-ordinators : Prof. Abhijeet Chandra

Lecture 1 - Investment Management as a Process

Lecture 2 - Role of Financial Markets and Institutions

Lecture 3 - Types of Investments

Lecture 4 - Ecology of Financial Markets

Lecture 5 - Investment Philosophies

Lecture 6 - Present and Future Values of Investments

Lecture 7 - Bonds as an Investment

Lecture 8 - Pricing and Valuation of Bonds

Lecture 9 - Pricing and Valuation of Bonds (Continued...)

Lecture 10 - Prices, Yields, and Duration of Bonds

Lecture 11 - Equity as an Asset Class

Lecture 12 - Equity Valuation Models

Lecture 13 - Equity Valuation Models (Continued...)

Lecture 14 - Equity Valuation Ratios

Lecture 15 - Equity Investment Strategies

Lecture 16 - Portfolio Theory - Primer

Lecture 17 - Capital Asset Pricing Model

Lecture 18 - The CAPM and Index Models

Lecture 19 - The CAPM and Index Models (Continued...)

Lecture 20 - Consumption-Based Asset Pricing

Lecture 21 - Two-fund Theorem

Lecture 22 - Mutual Fund Basics

Lecture 23 - Mutual Fund Basics (Continued...)

Lecture 24 - Risk Indicator of a Mutual Fund

Lecture 25 - Risk Indicator of a Mutual Fund (Continued...)

Lecture 26 - Market Efficiency

Lecture 27 - Market Efficiency (Continued...)

Lecture 28 - Fundamental Analysis of Securities

Lecture 29 - Value Investing using PV Models

Lecture 30 - Asset Allocation and Portfolio Strategies

Lecture 31 - Exchange Traded Funds (ETFs)

Lecture 32 - Forming Portfolio with ETFs

Lecture 33 - Forming Portfolio with ETFs (Continued...)

Lecture 34 - Cryptocurrencies

Lecture 35 - Cryptocurrencies (Continued...)

Lecture 36 - Behavioral Anomalies in Investments

Lecture 37 - Behavioral Anomalies in Investments (Continued...)

Lecture 38 - Portfolio Evaluation

Lecture 39 - Portfolio Evaluation (Continued...)

Lecture 40 - Wrapping up

NPTEL : NOC:Project Management: Planning, Execution, Evaluation and Control (Management)

Co-ordinators : Prof. Sanjib Chowdhury

Lecture 1 - Basic Concepts and Introduction

Lecture 2 - Drivers of Project Management

Lecture 3 - Linkages between Organization Strategy and Projects

Lecture 4 - Project Governance and Design of Project Portfolio System

Lecture 5 - Non-Financial and Multi-Criteria Project Selection Models

Lecture 6 - Organization Structure

Lecture 7 - Organization Culture

Lecture 8 - Project Scope of Work and Deliverables

Lecture 9 - Responsibility Matrices and Project Communication Plan

Lecture 10 - Estimating Guidilines and Methods, Top-down Estimation

Lecture 11 - Level of Details, Type of Costs and Refining Estimates

Lecture 12 - Concept of Project Network and Development Rules

Lecture 13 - Construction of Netwrok and Computation Process

Lecture 14 - Extended Network Techniques to Represent Reality

Lecture 15 - Probabilty of Completion of Project on Time

Lecture 16 - Managing Risk and Risk Identification

Lecture 17 - Risk Assessment

Lecture 18 - Risk Response Development and Contingency Planning

Lecture 19 - Risk Response Control and Change Control Management

Lecture 20 - Risk Assessment of Capital projects

Lecture 21 - Classification of Scheduling Problems: Time-constrained Project

Lecture 22 - Resource-constrained Project

Lecture 23 - Time-phased Budget, Critical Chain Project Management

Lecture 24 - Rationale and Options for Project Crashing

Lecture 25 - Crashing - Reducing Project Duration

Lecture 26 - Reducing Project Duration - Solving Numerical

Lecture 27 - Project Monitoring and Control Process

Lecture 28 - Development of Performance Indexes for Monitoring

Lecture 29 - Forecasting Project Completion Time and Cost

Lecture 30 - Strategic Dimensions and Decision Logic of Outsourcing

Lecture 31 - Best Practices in Outsourcing Project Work

Lecture 32 - Partnering and Traditional Approaches for Managing Relations

Lecture 33 - The Art of Negotiating

Lecture 34 - Customer's Satisfaction and Managing Customer Relations

Lecture 35 - Types of Contract and their Salient Features

Lecture 36 - Preparation and Evaluation of RFP: Best Practices

Lecture 37 - Project Closure Activities and Post-Implementation Evaluation

Lecture 38 - Retrospectives

Lecture 39 - Oversight Activities and Levels

Lecture 40 - Phase Gate System, Project Management Maturity Model

NPTEL : NOC:Commodity Derivatives and Risk Management (2023) (Management)

Co-ordinators : Prof. Prabina Rajib

Lecture 1 - Introduction to Commodity Market

Lecture 2 - Commodity Spot Market and Different Types of Auction

Lecture 3 - Commodity Spot Market and Different Types of Auction

Lecture 4 - Introduction to forward contract

Lecture 5 - Introduction to Futures Contract

Lecture 6 - Futures Contract Specification

Lecture 7 - Futures Contract Specification (Continued...)

Lecture 8 - Futures Contract Specification (Continued...)

Lecture 9 - Futures Contract (Different Types of Margins)

Lecture 10 - Futures Contract (Mark-to-Market/MTM Margin)

Lecture 11 - Hedgers Vs. Speculators

Lecture 12 - Measures of Speculation

Lecture 13 - Spot Price, Futures Price and Basis Risk

Lecture 14 - Spot Price, Futures Price and Basis Risk (Continued...)

Lecture 15 - Pricing of Futures

Lecture 16 - Pricing of Futures (Continued...)

Lecture 17 - Convenience Yield, Minimum Variance Hedge Ratio

Lecture 18 - Hedge Effectiveness, Cross Hedge, Stack and Roll Vs. Strip Hedge

Lecture 19 - Calendar Spread, Valuation of Futures vs. Forwards, Commodity Swaps

Lecture 20 - Commodity Swaps

Lecture 21 - Commodity Index

Lecture 22 - Commodity Index (Continued...)

Lecture 23 - Commodity options

Lecture 24 - Introduction to Commodity Options (Continued...), Hedgers vs. Speculators

Lecture 25 - Pricing of Commodity Options

Lecture 26 - Commodity Options (Continued...), Put-Call Parity and Put-Call Ratio

Lecture 27 - Put-Call Parity, Implied Volatility, Swaptions

Lecture 28 - Commodity Swaption (Continued...) and Asian Options on Commodities

Lecture 29 - Commodity Derivatives Market : Value Proposition

Lecture 30 - Commodity Derivatives Market : Value Proposition

Lecture 31 - Agricultural Commodity Price Risk Management

Lecture 32 - Agricultural Commodity Price Risk Management (Continued...)

Lecture 33 - Agricommodities Price Risk, Seasonality, Crush Spread Futures

Lecture 34 - Agri-commodity Seasonality, Crush Spread Futures, Salmon Futures

Lecture 35 - Crush Spread Futures, Salmon Futures, Agri-commodity risk Management Practices

Lecture 36 - Gold and other Precious Metal Derivatives

Lecture 37 - Gold as Asset, LBMA Spot Price Fix

Lecture 38 - Gold as Asset, ETF, Gold-Silver Ratio

Lecture 39 - Gold Price Risk Management, Dehedge, Zero Cost Derivatives

Lecture 40 - Gold Quanto Futures, Delta Hedge Trap

Lecture 41 - Crude oil and Crude oil Derivatives Price Risk Management

Lecture 42 - Crude oil and Crude oil Derivatives Price Risk Management (Continued...)

Lecture 43 - Crack Spread Futures, Spread Options and Crude Oil Price Risk

Lecture 44 - Crude Oil Price Risk Management: 3-Way Collar, Spread Options and Swaps

Lecture 45 - Swaps, Calendar Spreads: Crude Oil and Natural Gas Risk Management

Lecture 46 - Weather Derivatives

Lecture 47 - Weather Derivatives (Continued...)

Lecture 48 - Weather Derivatives (Snowfall, Rainfall and Hurricane)

Lecture 49 - Weather Derivatives (Rainfall and Hurricane)

Lecture 50 - Spot and Derivatives Contracts on Electricity

Lecture 51 - Electricity Trading in Day Ahead Market (DAM)

Lecture 52 - Spot and Derivatives in Electricity (System Price and Area Clearing Price)

Lecture 53 - Spot and Derivatives in Electricity (Green DAM, Duck Curve, Dark/Spark Spread)

Lecture 54 - Carbon Credits and Carbon Credit Derivatives Market

Lecture 55 - Carbon Credits (CDM, JI, RGGI, REC, ESCerts)

Lecture 56 - Carbon Credits (REC, ESCerts,CORSIA) and Carbon Derivatives

Lecture 57 - Freight Rates Derivatives

Lecture 58 - Freight Rates Derivatives (Continued...)

Lecture 59 - Water Derivatives

Lecture 60 - Real Estate Derivatives and Derivatives Losses

NPTEL : NOC:Service Management: Integrating Strategy, Operations, and Technology (Management)

Co-ordinators : Prof. Sanjib Chowdhury

Lecture 1 - The Role of Services in an Economy - 1

Lecture 2 - The Role of Services in an Economy - 2

Lecture 3 - The Nature of Services - 1

Lecture 4 - The Nature of Services - 2

Lecture 5 - The Nature of Services - 3

Lecture 6 - Strategic Service Vision, and Competitive Advantage

Lecture 7 - Generic Strategies for Competitive Advantage (Continued...)

Lecture 8 - Five-forces Model, and SWOT Analysis

Lecture 9 - Winning Customers, Sustainability, and Role of Information in Services

Lecture 10 - Virtual Value Chain, Limits in the Use of Information, and Service Firm Competitiveness

Lecture 11 - Sources of Growth and Innovations in Service Sector

Lecture 12 - Design and Development of New Service

Lecture 13 - Taxonomy and Generic Approaches to Service System Design

Lecture 14 - Role of Technology in Services and Service Encounter Triad

Lecture 15 - Service Encounter (Continued...)

Lecture 16 - Service Profit Chain

Lecture 17 - Servicescapes and Facility Design

Lecture 18 - Process Flows

Lecture 19 - Product Layout: Work Allocation Problem

Lecture 20 - Process Layout: Relative Location Problem

Lecture 21 - Process Layout: Relative Location Problem (Continued...)

Lecture 22 - Defining and Measuring Service Quality

Lecture 23 - Quality Service by Design

Lecture 24 - Unconditional Service Guarantee and Service Recovery

Lecture 25 - Statistical Process Control - I

Lecture 26 - Statistical Process Control - II

Lecture 27 - Statistical Process Control - III

Lecture 28 - Statistical Process Control - IV

Lecture 29 - Foundation of Continuous Improvement

Lecture 30 - Quality Improvement Programs - I

Lecture 31 - Quality Improvement Programs - II

Lecture 32 - Domestic Growth and Expansion Strategies

Lecture 33 - Generic International Strategies

Lecture 34 - Transnational Operations and Global Service Strategies

Lecture 35 - Strategic Location Considerations

Lecture 36 - Facility Location Modelling

Lecture 37 - Facility Location Techniques: Locational Cost-Profit-Volume analysis

Lecture 38 - Facility Location Techniques: Cross-Median Approach

Lecture 39 - Facility Location Techniques: Huff Retail Location Model - I

Lecture 40 - Facility Location Techniques: Huff Retail Location Model - II

Lecture 41 - Strategies for Managing Demand - I

Lecture 42 - Strategies for Managing Demand - II

Lecture 43 - Strategies for Managing Demand - III

Lecture 44 - Strategies for Managing Capacity - I

Lecture 45 - Strategies for Managing Capacity - II

Lecture 46 - Yield Management - I

Lecture 47 - Yield Management - II

Lecture 48 - Strategies for Managing Customer Waiting

Lecture 49 - Essential Features of Queuing Systems

Lecture 50 - Relationship between negative Exponential and Poisson distribution

Lecture 51 - Strategic Roles of Capacity Planning, and Queuing - Terminology

Lecture 52 - Queuing Models - Operating System Characteristics

Lecture 53 - Queuing System Cost Trade-off

Lecture 54 - Basic Concepts and Approach to Managing Project

Lecture 55 - Developing Project Plan using PERT/CPM

Lecture 56 - Construction of Network and Network Computation Process

Lecture 57 - Uncertain Activities, and Probability of Completion of Project on Time

Lecture 58 - The Role of Inventory in Services, and Inventory Models

Lecture 59 - Economic Order Quantity and Special Inventory Models

Lecture 60 - Inventory Management under Uncertainity

Lecture 61 - Inventory Control Systems and ABC Analysis

NPTEL : NOC:Financial Management (in Hindi) (Management)

Co-ordinators : Prof. Abhijeet Chandra

Lecture 1

Lecture 2

Lecture 3

Lecture 4

Lecture 5

Lecture 6

Lecture 7

Lecture 8

Lecture 9

Lecture 10

Lecture 11

Lecture 12

Lecture 13

Lecture 14

Lecture 15

Lecture 16

Lecture 17

Lecture 18

Lecture 19

Lecture 20

Lecture 21

Lecture 22

Lecture 23

Lecture 24

Lecture 25

Lecture 26

Lecture 27

Lecture 28

Lecture 29

Lecture 30

Lecture 31

Lecture 32

Lecture 33

Lecture 34

Lecture 35

Lecture 36

Lecture 37

Lecture 38

Lecture 39

Lecture 40

NPTEL : NOC:Advertising and Promotions Management (Management)

Co-ordinators : Prof. Mrinalini Pandey

Lecture 1 - Introduction to Advertising - I

Lecture 2 - Introduction to Advertising - II

Lecture 3 - Introduction to Advertising - III

Lecture 4 - Introduction to Advertising - IV

Lecture 5 - Introduction to Advertising - V

Lecture 6 - Understanding Communication

Lecture 7 - Integrated Marketing Communications

Lecture 8 - Introduction to Positioning

Lecture 9 - Positioning - II

Lecture 10 - Positioning - III

Lecture 11 - Classification of advertising

Lecture 12 - Types of advertising

Lecture 13 - Theories of advertising

Lecture 14 - Segmentation, Targeting and Advertising Strategy Approaches

Lecture 15 - Perception

Lecture 16 - AIDA Model

Lecture 17 - DAGMAR Model

Lecture 18 - Hierarchy Of Effects Model

Lecture 19 - DRIP Model

Lecture 20 - Information Processing Model

Lecture 21 - Elaboration Likelihood Model (ELM)

Lecture 22 - Innovation Adoption Model

Lecture 23 - Foote, Cone and Belding Model and Kim Lord Model

Lecture 24 - Lasswellâ€™s Model

Lecture 25 - Multi-Attribute Attitude Models (MAAMS)

Lecture 26 - Objectives of Advertising

Lecture 27 - Communication and Sales as an Advertising Objective

Lecture 28 - Setting Communication Objectives and Rossiter and Percy Grid

Lecture 29 - Marketing Objectives

Lecture 30 - Problems in Implementing Advertising and Promotions Objective

Lecture 31 - Introduction to Advertising Budgets

Lecture 32 - Budgeting Approaches - I

Lecture 33 - Budgeting Approaches - II

Lecture 34 - Advertising Budgets - III

Lecture 35 - Creative Strategy

Lecture 36 - Creative Execution

Lecture 37 - Introduction to Media Planning

Lecture 38 - Media Planning Process

Lecture 39 - Media Planning Decision and Media Types

Lecture 40 - Art of Copywriting

Lecture 41 - Copy Testing and Diagnosis

Lecture 42 - Advertising Campaign - I

Lecture 43 - Advertising Campaign - II

Lecture 44 - Advertising Research Technique - I

Lecture 45 - Advertising Research Technique - II

Lecture 46 - Introduction to the Advertising Agency - I

Lecture 47 - Advertising Agency - II

Lecture 48 - Advertising Agency - III

Lecture 49 - Advertising Agency - IV

Lecture 50 - Advertising Agencies - V

Lecture 51 - Introduction to Public Relations - I

Lecture 52 - Introduction to Public Relations - II

Lecture 53 - Introduction to Public Relations - III

Lecture 54 - The Process of Public Relations

Lecture 55 - Publicity and Corporate Advertising

Lecture 56 - Advertising Laws and Ethics

Lecture 57 - Intellectual Property Rights and Advertising

Lecture 58 - Social Aspects of Advertising

Lecture 59 - Economic Aspects of Advertising

Lecture 60 - Advertising the Way Forward: Insights for Tomorrowâ€™s Journey

NPTEL : Infrastructure Finance (Management)

Co-ordinators : Dr. A. Thillai Rajan

Lecture 1 - Introduction

Lecture 2 - Overview on Infrastructure Financing Sources

Lecture 3 - Basics of Financial Management - Part-1

Lecture 4 - Basics of Financial Management - Part-2

Lecture 5 - Basics of Financial Management - Part-3

Lecture 6 - Basics of Financial Management - Part-4

Lecture 7 - Analysis of company Performance - Part-1

Lecture 8 - Analysis of company Performance - Part-2

Lecture 9 - Analysis of Project Viability Time value of money

Lecture 10 - Analysis of Project Viability Cost of Capital

Lecture 11 - Analysis of Project Viability Capital Budgeting Techniques - I

Lecture 12 - Analysis of Project Viability Capital Budgeting Guidelines - II

Lecture 13 - Analysis of Project Viability Capital Budgeting Guidelines - III

Lecture 14 - Analysis of Project Viability Capital Budgeting Guidelines - IV

Lecture 15 - Overview and introduction to project finance

Lecture 16 - Project Financing Attributes and Motivations - I

Lecture 17 - Project Financing Attributes and Motivations - II

Lecture 18 - Project Finance Markets - I

Lecture 19 - Project Finance Markets - II

Lecture 20 - Project Finance Markets - III

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

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

Lecture 23 - Project Finance Markets - Financial Intermediation

Lecture 24 - Project Finance Markets - Loan Refinancing

Lecture 25 - Project Finance Markets - Project Bonds - I

Lecture 26 - Project Finance Markets - Project Bonds - II

Lecture 27 - Public Private Partnerships

Lecture 28 - Risk Management - I

Lecture 29 - Risk Management - II

Lecture 30 - Risk Management - III

Lecture 31 - Risk Management - Market Risks

Lecture 32 - Risk Management - Country / Political risks - I

Lecture 33 - Risk Management - Country / Political risks - II

Lecture 34 - Risk Management - Country / Political risks - III

Lecture 35 - Risk Management - Country / Political risks - IV

Lecture 36 - Context of infrastructure development - I

Lecture 37 - Context of infrastructure development - II

Lecture 38 - Context of infrastructure development - III

Lecture 39 - Context of infrastructure development - IV

Lecture 40 - Context of infrastructure development - V

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

Lecture 40 - FMS Loading and scheduling, Summary of the course contents

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, Holtâ€™s , seasonality

Lecture 4 - Forecasting - Winterâ€™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 â€“ delayed Product differentiation, substitution. MOM

Lecture 24 - Sequencing and scheduling â€“ Assumptions, objectives and shop settings

Lecture 25 - Single machine sequencing. Two machine flow shop â€“ Johnsonâ€™s algorithm

Lecture 26 - Flow shop scheduling - Three machines, Johnsonâ€™s algorithm and Branch and bound algorithm

Lecture 27 - Flow shop scheduling - heuristics â€“ 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

Lecture 34 - Quantitative models for layout, Summary

Lecture 35 - Introduction to Supply Chain Management

Lecture 36 - Location Problems

Lecture 37 - Transportation and Distribution Models

Lecture 38 - Transportation and Distribution Models(continued)

Lecture 39 - Bin Packing and Travelling Salesman Problems

Lecture 40 - Vehicle Routeing Problems

Lecture 41 - Value of Information

NPTEL : Business Analysis for Engineers (Management)

Co-ordinators : Dr. S. Vaidhyasubramaniam

Lecture 1 - Introduction to Business Analysis for Engineers

Lecture 2 - Introduction to Accounting

Lecture 3 - Accounting Principles - 1

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 - Poter'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

Lecture 33 - Case study to understand strategy

Lecture 34 - Case study to understand strategy

Lecture 35 - Blue ocean and conclusion

Lecture 36 - Introduction to Economics

Lecture 37 - Introduction to GDP

Lecture 38 - Supply vs Demand

Lecture 39 - Price & Income Elasticity and Utility

Lecture 40 - Macroeconomic Variables

Lecture 41 - Fiscal & Monetary Policy

Lecture 42 - Union Budget & Conclusion

NPTEL : NOC:Introduction to Operations Research (Management)

Co-ordinators : Prof. G. Srinivasan

Lecture 1 - Linear Programming Introduction and formulations - Product Mix problem and Notations

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

Lecture 3 - Linear Programming Introduction and formulations - Media selection problem and Bicycle problem

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)

Lecture 8 - Graphical and Algebraic methods - Algebraic method (maximization)

Lecture 9 - Graphical and Algebraic methods - Algebraic method (minimization)

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

Lecture 16 - Dual - Motivation to the dual

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

Lecture 31 - Introducing the Assignment problem

Lecture 32 - Solving the Assignment problem

Lecture 33 - Hungarian algorithm; Alternate optimum

Lecture 34 - Unequal number of rows and columns; Dual of the assignment problem

Lecture 35 - Optimality of the Hungarian algorithm

Lecture 36 - Setting up the problem and solving simple LP problems

Lecture 37 - Unboundedness and infeasibility

Lecture 38 - Solving other formulations

Lecture 39 - Solving a transportation problem

Lecture 40 - Solving an assignment problem

NPTEL : NOC:Introduction to Data Analytics (Management)

Co-ordinators : Dr. Nandan Sudarsanam, Dr. Balaraman Ravindran

Lecture 1 - Course Overview

Lecture 2 - Course Overview (Continued...)

Lecture 3 - Descriptive Statistics - Graphical Approaches

Lecture 4 - Descriptive Statistics - Measures of Central Tendency

Lecture 5 - Descriptive Statistics - Measures of Dispersion

Lecture 6 - Random Variables and Probability Distributions

Lecture 7 - Probability Distributions (Continued...)

Lecture 8 - Probability Distributions (Continued...)

Lecture 9 - Inferential Statistics - Motivation

Lecture 10 - Inferential Statistics - Single sample tests

Lecture 11 - Two Sample tests

Lecture 12 - Type 1 and Type 2 Errors

Lecture 13 - Confidence Intervals

Lecture 14 - ANOVA and Test of Independence

Lecture 15 - Short Introduction to Regression

Lecture 16 - Introduction to Machine Learning

Lecture 17 - Supervised Learning

Lecture 18 - Unsupervised Learning

Lecture 19 - Ordinary Least Squares Regression

Lecture 20 - Simple and Multiple Regression in Excel and Matlab

Lecture 21 - Regularization/ Coefficients Shrinkage

Lecture 22 - Data Modelling and Algorithmic Modelling Approaches

Lecture 23 - Logistic Regression

Lecture 24 - Training a Logistic Regression Classifier

Lecture 25 - Classification and Regression Trees

Lecture 26 - Classification and Regression Trees (Continued...)

Lecture 27 - Bias Variance Dichotomy

Lecture 28 - Model Assessment and Selection

Lecture 29 - Support Vector Machines

Lecture 30 - Support Vector Machines (Continued...)

Lecture 31 - Support Vector Machines for Non Linearly Separable Data

Lecture 32 - Support Vector Machines and Kernel Transformations

Lecture 33 - Ensemble Methods and Random Forests

Lecture 34 - Artificial Neural Networks

Lecture 35 - Artificial Neural Networks (Continued...)

Lecture 36 - Deep Learning

Lecture 37 - Associative Rule Mining

Lecture 38 - Association Rule Mining (Continued...)

Lecture 39 - Big Data - A small introduction

Lecture 40 - Big Data - A small introduction (Continued...)

Lecture 41 - Clustering Analysis

Lecture 42 - Clustering Analysis (Continued...)

Lecture 43 - Introduction to Experimentation and Active Learning

Lecture 44 - Introduction to Experimentation and Active Learning (Continued...)

Lecture 45 - An Introduction to Online Learning - Reinforcement Learning

Lecture 46 - An Introduction to Online Learning - Reinforcement Learning (Continued...)

Lecture 47 - Summary + Insights into the Final Exam

NPTEL : NOC:Introduction to Data analytics (Management)

Co-ordinators : Dr. Nandan Sudarsanam, Dr. Balaraman Ravindran

Lecture 1 - Course Overview

Lecture 2 - Course Overview (Continued...)

Lecture 3 - Descriptive Statistics - Graphical Approaches

Lecture 4 - Descriptive Statistics - Measures of Central Tendency

Lecture 5 - Descriptive Statistics - Measures of Dispersion

Lecture 6 - Random Variables and Probability Distributions

Lecture 7 - Probability Distributions (Continued...)

Lecture 8 - Probability Distributions (Continued...)

Lecture 9 - Inferential Statistics - Motivation

Lecture 10 - Inferential Statistics - Single sample tests

Lecture 11 - Two Sample tests

Lecture 12 - Type 1 and Type 2 Errors

Lecture 13 - Confidence Intervals

Lecture 14 - ANOVA and Test of Independence

Lecture 15 - Short Introduction to Regression

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Lecture 23 - Logistic Regression

Lecture 24 - Training a Logistic Regression Classifier

Lecture 25 - Classification and Regression Trees

Lecture 26 - Classification and Regression Trees (Continued...)

Lecture 27 - Bias Variance Dichotomy

Lecture 28 - Model Assessment and Selection

Lecture 29 - Support Vector Machines

Lecture 30 - Support Vector Machines (Continued...)

Lecture 31 - Support Vector Machines for Non Linearly Separable Data

Lecture 32 - Support Vector Machines and Kernel Transformations

Lecture 33 - Ensemble Methods and Random Forests

Lecture 34 - Artificial Neural Networks

Lecture 35 - Artificial Neural Networks (Continued...)

Lecture 36 - Deep Learning

Lecture 37 - Associative Rule Mining

Lecture 38 - Association Rule Mining (Continued...)

Lecture 39 - Big Data, A small introduction

Lecture 40 - Big Data, A small introduction (Continued...)

Lecture 41 - Clustering Analysis

Lecture 42 - Clustering Analysis (Continued...)

Lecture 43 - Introduction to Experimentation and Active Learning

Lecture 44 - Introduction to Experimentation and Active Learning (Continued...)

Lecture 45 - An Introduction to Online Learning - Reinforcement Learning

Lecture 46 - An Introduction to Online Learning - Reinforcement Learning (Continued...)

Lecture 47 - Summary - Insights into the Final Exam

Lecture 48 - Tutorial on weka

Lecture 49 - Tutorial on Decision Trees

Lecture 50 - Big Data - A Small Introduction (Continued...)

NPTEL : NOC:Patent Law for Engineers and Scientists (Management)

Co-ordinators : Prof. Feroze Ali

Lecture 1 - Patent Law as Concepts

Lecture 2 - Understanding the Patents Act and the Rules

Lecture 3 - Preliminary Sections

Lecture 4 - Preliminary Rules

Lecture 5 - Patents (Amendment) Rules, 2016

Lecture 6 - Easy way to read the Patents Act and Rules

Lecture 7 - What can be Patented?

Lecture 8 - Inventions not Patentable

Lecture 9 - Novelty

Lecture 10 - Anticipation

Lecture 11 - Inventive Step

Lecture 12 - Capable of Industrial Application

Lecture 13 - Person Skilled in the Art

Lecture 14 - Complete and Provisional Specifications

Lecture 15 - Contents of Specifications

Lecture 16 - Structure of a Patent Specification

Lecture 17 - Reading a Patent Specification

Lecture 18 - Introduction to Patent Drafting: Provisional Specification

Lecture 19 - Introduction to Patent Drafting: Complete Specification

Lecture 20 - Who Can Apply for a Patent?

Lecture 21 - Form of Application

Lecture 22 - Patent Application: Making, What to include, and Types

Lecture 23 - Powers of Controller: Generally

Lecture 24 - Patents of Addition

Lecture 25 - Priority Dates

Lecture 26 - Professor's Interaction 01

Lecture 27 - Publication of Application

Lecture 28 - Request for Examination

Lecture 29 - Examination of Application

Lecture 30 - Expedited Examination of Application

Lecture 31 - Search for Anticipation

Lecture 32 - Procedure in case of Anticipation

Lecture 33 - Consideration of Report of Examiner

Lecture 34 - Refuse, Require Amendment, and Division of Applications

Lecture 35 - Dating of Application and Anticipation

Lecture 36 - Potential Infringement

Lecture 37 - Orders Regarding Substitution of Applicants

Lecture 38 - Putting Applications in Order for Grant

Lecture 39 - Amendments during Prosecution

Lecture 40 - Introduction to Opposition to Grant of Patents

Lecture 41 - Pre-Grant Opposition

Lecture 42 - Post-Grant Opposition

Lecture 43 - Obtained Invention

Lecture 44 - Mention of Inventor

Lecture 45 - Opposition in General

Lecture 46 - Secrecy Provisions

Lecture 47 - Grant of Patents

Lecture 48 - Rights conferred by Grant

Lecture 49 - Rights of Co-Owners of Patents and Power of Controller to give directions

Lecture 50 - Patent obtained by Fraud of True and First Inventor

Lecture 51 - Term of Patent

Lecture 52 - Restoration of Lapsed Patents

Lecture 53 - Surrender of Patents

Lecture 54 - Revocation of Patents

Lecture 55 - Register of Patents

Lecture 56 - Patent Office and its Establishment

Lecture 57 - Patent Agents

Lecture 58 - Use and Acquisition by Government

Lecture 59 - Penalties

Lecture 60 - Introduction to Compulsory Licensing

Lecture 61 - Working of Patents

Lecture 62 - Compulsory Licenses

Lecture 63 - Revocation of Patents 1

Lecture 64 - Powers of Controller

Lecture 65 - Licensing of Related Patents

Lecture 66 - Compulsory License on Notification by Central Government

Lecture 67 - Compulsory License for Export of Pharma Products

Lecture 68 - Termination of Compulsory License, Related Rules

Lecture 69 - Intellectual Property Appellate Board

Lecture 70 - Infringement Suits and Defences

Lecture 71 - Reliefs in Suit for Infringement

Lecture 72 - Declaration as to Non-Infringement

Lecture 73 - Groundless threat of Infringement Proceedings

Lecture 74 - Certificate of Validity

Lecture 75 - Scientific Advisors

Lecture 76 - International Arrangements

Lecture 77 - Miscellaneous

Lecture 78 - Fees

NPTEL : NOC:Design Thinking - A Primer (Management)

Co-ordinators : Dr. Ashwin Mahalingam, Prof. Bala Ramadurai

Lecture 1 - Design Thinking - A Primer Start - Part 1

Lecture 2 - Design Thinking - A Primer Start - Part 2

Lecture 3 - Design Thinking - A Primer Start - Part 3

Lecture 4 - Intro to Design Thinking

Lecture 5 - Case Study - Arcturus IV by John E. Arnold

Lecture 6 - Course Preview and History of Design Thinking

Lecture 7 - Discussion - Intro to Demo Problem

Lecture 8 - Empathize - Lecture 1

Lecture 9 - Empathize - Workshop 1

Lecture 10 - Empathize - Workshop 2

Lecture 11 - Empathize - Skit

Lecture 12 - Interviews

Lecture 13 - Analyze - Lecture-1 5 Whys

Lecture 14 - Analyze - 5ys - IIT Stadium levels

Lecture 15 - Analyze - Lecture 2 Conflict of Interest

Lecture 16 - Analyze - Workshop - Part 1

Lecture 17 - Analyze - Workshop - Part 2

Lecture 18 - Solve - Tea cup story

Lecture 19 - Solve - Lecture 1

Lecture 20 - Solve - Workshop 1

Lecture 21 - Elephant and blind men

Lecture 22 - Test - Lecture 1

Lecture 23 - Test - Workshop 1

Lecture 24 - Test - Customer reactions to prototype

Lecture 25 - The END - Part 1

Lecture 26 - The END - Part 2

Lecture 27 - Finale and Appeal for proposals

NPTEL : NOC:Decision-Making Under Uncertainty (Management)

Co-ordinators : Prof. N. Gautam

Lecture 1 - Tutorial - How to Install Octave and using Octave

Lecture 2 - Background and relevance

Lecture 3 - Examples of managing uncertainty and making decisions

Lecture 4 - Risk, uncertainty and variability

Lecture 5 - Probability: Events, Conditioning and Total Probability

Lecture 6 - Discrete random variables

Lecture 7 - Continuous random variables: characterisitcs and examples

Lecture 8 - Expected Value: Mean, Variance and Functions

Lecture 9 - Multiple Random Variables: Discrete and Continuous

Lecture 10 - Criteria, Objectives and Settings for Decisions

Lecture 11 - Introduction to one-time decisions

Lecture 12 - Solving the secretary problem

Lecture 13 - Which option to gamble just once?

Lecture 14 - Utility Function

Lecture 15 - Nested one-time decisions

Lecture 16 - Decision Trees

Lecture 17 - Decisions in Game Shows: Final Jeopardy

Lecture 18 - Decisions in Game Shows: Monte Hall

Lecture 19 - Project Network and Analysis

Lecture 20 - Newsvendor Problem: Background, Model and Analysis

Lecture 21 - Newsvendor Problem: Example and Proof

Lecture 22 - Buffers to Cushion for Fluctuations

Lecture 23 - Safety Stock for Inventories

Lecture 24 - Safety Stock: Example and Derivation

Lecture 25 - Route Planning

Lecture 26 - Exploration and Exploitation

Lecture 27 - Introduction to sequential decision making

Lecture 28 - Costs, Ratings, Options and Choices for both Restaurants

Lecture 29 - Two Stage Stochastic Optimization

Lecture 30 - Concluding Remarks and Simpson's Paradox

Lecture 31 - Markov Chains for Decisions

Lecture 32 - DTMC Modeling and Analysis

Lecture 33 - Markov Decision Process Set Up

Lecture 34 - Analyzing the four policies

NPTEL : NOC:Decision making using Financial Accounting (Management)

Co-ordinators : Prof. G Arun Kumar

Lecture 1 - Introduction

Lecture 2 - Introduction (Continued...)

Lecture 3 - Two Finacial Statements

Lecture 4 - Two Finacial Statements (Continued...)

Lecture 5 - Two Finacial Statements (Continued...)

Lecture 6 - Three Finacial Statements

Lecture 7 - Three Finacial Statements (Continued...)

Lecture 8 - Three Finacial Statements (Continued...)

Lecture 9 - Transaction and Finacial Statements

Lecture 10 - Transaction and Finacial Statements (Continued...)

Lecture 11 - Transaction and Finacial Statements (Continued...)

Lecture 12 - Lone Pine Cafe (Case)

Lecture 13 - Lone Pine Cafe (Case)

Lecture 14 - Journal - 1

Lecture 15 - Journal - 2

Lecture 16 - Journal - 3

Lecture 17 - Ledger Posting Part - 1

Lecture 18 - Ledger Posting Part - 2

Lecture 19 - Final Accounts

Lecture 20 - Cash Flow Statements - 1

Lecture 21 - Cash Flow Statements - 2

Lecture 22 - Cash Flow Statements - 3

Lecture 23 - Cash Flow Statements - 4

Lecture 24 - Cash Flow Statements - 5

Lecture 25 - Reading the Financial Statements of a Annual Report - 1

Lecture 26 - Reading the Financial Statements of a Annual Report - 2

Lecture 27 - Reading the Financial Statements of a Annual Report - 3

Lecture 28 - Financial Statement Analysis - 1

Lecture 29 - Financial Statement Analysis - 2

Lecture 30 - Financial Statement Analysis - 3

Lecture 31 - Financial Statement Analysis - 4

Lecture 32 - Recap

Lecture 33 - Ratios Analysis

Lecture 34 - Ratios Analysis

NPTEL : NOC:Entrepreneurship (Management)

Co-ordinators : Prof. C Bhaktavatsala Rao

Lecture 1 - Entrepreneurial Journey - Part 1

Lecture 2 - Entrepreneurial Journey - Part 2

Lecture 3 - Entrepreneurial Journey - Part 3

Lecture 4 - Entrepreneurial Discovery - Part 1

Lecture 5 - Entrepreneurial Discovery - Part 2

Lecture 6 - Entrepreneurial Discovery - Part 3

Lecture 7 - Entrepreneurial Discovery - Part 4

Lecture 8 - Ideation and Prototyping - Part 1

Lecture 9 - Ideation and Prototyping - Part 2

Lecture 10 - Ideation and Prototyping - Part 3

Lecture 11 - Ideation and Prototyping - Part 4

Lecture 12 - Ideation and Prototyping - Part 5

Lecture 13 - Ideation and Prototyping - Part 6

Lecture 14 - Testing and Validation - Part 1

Lecture 15 - Testing and Validation - Part 2

Lecture 16 - Commercialisation and Disruption as Success Drivers - Part 1

Lecture 17 - Commercialisation and Disruption as Success Drivers - Part 2

Lecture 18 - Commercialisation and Disruption as Success Drivers - Part 3

Lecture 19 - Commercialisation and Disruption as Success Drivers - Part 4

Lecture 20 - Commercialisation and Disruption as Success Drivers - Part 5

Lecture 21 - Technological Innovation and Entrepreneurship - Part 1

Lecture 22 - Technological Innovation and Entrepreneurship - Part 2

Lecture 23 - Technological Innovation and Entrepreneurship - Part 3

Lecture 24 - Technological Innovation and Entrepreneurship - Part 4

Lecture 25 - Technological Innovation and Entrepreneurship - Part 5

Lecture 26 - Technology, Business, and Operations Strategies - Part 1

Lecture 27 - Technology, Business, and Operations Strategies - Part 2

Lecture 28 - Technology, Business, and Operations Strategies - Part 3

Lecture 29 - Technology, Business, and Operations Strategies - Part 4

Lecture 30 - Technology, Business, and Operations Strategies - Part 5

Lecture 31 - Raising Finances and Developing Financial Strategy - Part 1

Lecture 32 - Raising Finances and Developing Financial Strategy - Part 2

Lecture 33 - Raising Finances and Developing Financial Strategy - Part 3

Lecture 34 - Raising Finances and Developing Financial Strategy - Part 4

Lecture 35 - Raising Finances and Developing Financial Strategy - Part 5

Lecture 36 - Education and Entrepreneurship - Part 1

Lecture 37 - Education and Entrepreneurship - Part 2

Lecture 38 - Education and Entrepreneurship - Part 3

Lecture 39 - Beyond Founders and Founder-Families - Part 1

Lecture 40 - Beyond Founders and Founder-Families - Part 2

Lecture 41 - Beyond Founders and Founder-Families - Part 3

Lecture 42 - Beyond Founders and Founder-Families - Part 4

Lecture 43 - India as A Start-up Nation - Part 1

Lecture 44 - India as A Start-up Nation - Part 2

Lecture 45 - India as A Start-up Nation - Part 3

Lecture 46 - National Entrepreneurial Culture - Part 1

Lecture 47 - National Entrepreneurial Culture - Part 2

Lecture 48 - Entrepreneurial Thermodynamics - Part 1

Lecture 49 - Entrepreneurial Thermodynamics - Part 2

Lecture 50 - Human Resources Strategy

Lecture 51 - Entrepreneurship and Employment - Part 1

Lecture 52 - Entrepreneurship and Employment - Part 2

Lecture 53 - Entrepreneurship and Employment - Part 3

Lecture 54 - Entrepreneurship and Employment - Part 4

Lecture 55 - Corporate Governance

Lecture 56 - Marketing Strategy

Lecture 57 - Start-up Case Studies - Part 1

Lecture 58 - Start-up Case Studies - Part 2

Lecture 59 - Start-up Case Studies - Part 3

Lecture 60 - Start-up Case Studies - Part 4

Lecture 61 - In Closing

NPTEL : NOC:Organizational Behaviour (Management)

Co-ordinators : Prof. M. P. Ganesh

Lecture 1 - Introduction to Organizational Behaviour - Part 1

Lecture 2 - Introduction to Organizational Behaviour - Part 2

Lecture 3 - Introduction to Organizational Behaviour - Part 3

Lecture 4 - Introduction to Organizational Behaviour - Part 4

Lecture 5 - Introduction to Organizational Behaviour - Part 5

Lecture 6 - Perception - Part 1

Lecture 7 - Perception - Part 2

Lecture 8 - Perception - Part 3

Lecture 9 - Perception - Part 4

Lecture 10 - Personality - Part 1

Lecture 11 - Personality - Part 2

Lecture 12 - Personality - Part 3

Lecture 13 - Personality - Part 4

Lecture 14 - Personality - Part 5

Lecture 15 - Personality - Part 6

Lecture 16 - Personality - Part 7

Lecture 17 - Learning - Part 1

Lecture 18 - Learning - Part 2

Lecture 19 - Attitudes - Part 1

Lecture 20 - Attitudes - Part 2

Lecture 21 - Attitudes - Part 3

Lecture 22 - Attitudes - Part 4

Lecture 23 - Emotions - Part 1

Lecture 24 - Emotions - Part 2

Lecture 25 - Emotions - Part 3

Lecture 26 - Motivation - Part 1

Lecture 27 - Motivation - Part 2

Lecture 28 - Motivation - Part 3

Lecture 29 - Motivation - Part 4

Lecture 30 - Motivation - Part 5

Lecture 31 - Motivation - Part 6

Lecture 32 - Interpersonal Relationships - Part 1

Lecture 33 - Interpersonal Relationships - Part 2

Lecture 34 - Interpersonal Relationships - Part 3

Lecture 35 - Interpersonal Relationships - Part 4

Lecture 36 - Communication - Part 1

Lecture 37 - Communication - Part 2

Lecture 38 - Communication - Part 3

Lecture 39 - Decision Making - Part 1

Lecture 40 - Decision Making - Part 2

Lecture 41 - Decision Making - Part 3

Lecture 42 - Decision Making - Part 4

Lecture 43 - Power and Leadership - Part 1

Lecture 44 - Power and Leadership - Part 2

Lecture 45 - Power and Leadership - Part 3

Lecture 46 - Power and Leadership - Part 4

Lecture 47 - Power and Leadership - Part 5

Lecture 48 - Group Dynamics - Part 1

Lecture 49 - Group Dynamics - Part 2

Lecture 50 - Group Dynamics - Part 3

Lecture 51 - Organizational Culture - Part 1

Lecture 52 - Organizational Culture - Part 2

Lecture 53 - Organizational Change

Lecture 54 - Organizational Structure - Part 1

Lecture 55 - Organizational Structure - Part 2

Lecture 56 - Organizational Structure - Part 3

NPTEL : NOC:The Future of Manufacturing Business: Role of Additive Manufacturing (Management)

Co-ordinators : Prof. R. K. Amit, Prof. U. Chandrasekhar

Lecture 1 - What is Manufacturing ?

Lecture 2 - Manufacturing and Industrial Revolution

Lecture 3 - Manufacturing Processes and Era of Mass Production

Lecture 4 - Mass Production to Mass Customization

Lecture 5 - Laws of Manufacturing - I

Lecture 6 - Laws of Manufacturing - II

Lecture 7 - Business Models

Lecture 8 - Manufacturing Radar - I

Lecture 9 - Manufacturing Radar - II

Lecture 10 - Agile Manufacturing - I

Lecture 11 - Agile Manufacturing - II

Lecture 12 - Technology and Manufacturing

Lecture 13 - AM Implementation and SC Configuration - I

Lecture 14 - AM Implementation and SC Configuration - II

Lecture 15 - Manufacturing and IIoT - I

Lecture 16 - Manufacturing and IIoT - II

Lecture 17 - Digital Supply Network - I

Lecture 18 - Digital Supply Network - II

Lecture 19 - Machine Intelligence

Lecture 20 - Blockchains and Use Cases

Lecture 21 - Additive Manufacturing Technologies and Categorization

Lecture 22 - Process Chain for AM of Plastics and Metals

Lecture 23 - Design for Additive manufacturing (DFAM) for Metal printing

Lecture 24 - Supply chain for Additive Manufacturing

Lecture 25 - Design for Laser Powder Bed fusion (LPBF)

Lecture 26 - Additive Manufacturing Application for Prototype, Tooling and Part Repair

Lecture 27 - AM Materials and Metallurgy in LPBF

Lecture 28 - Additive Parameter Development

Lecture 29 - Quality in Additive Manufacturing

Lecture 30 - Extrusion AM for Industrial Application

Lecture 31 - Design for LPBF - Case Studies

Lecture 32 - Metal Powder Manufacturing and Characterisation

NPTEL : NOC:Financial Accounting (IIT Mandi) (Management)

Co-ordinators : Prof. Puran Singh

Lecture 1 - Introduction to Financial Accounting

Lecture 2 - Company form of business

Lecture 3 - Accounting as an information system

Lecture 4 - Key accounting terms - I

Lecture 5 - Key accounting terms - II

Lecture 6 - Tutorial - Key accounting terms

Lecture 7 - Accounting Equation

Lecture 8 - Walkthrough of Balance Sheet - I

Lecture 9 - Walkthrough of Balance Sheet - II

Lecture 10 - Walkthrough of Balance Sheet - III

Lecture 11 - Walkthrough of Income Statement - I

Lecture 12 - Generally Accepted Accounting Principles - I

Lecture 13 - Generally Accepted Accounting Principles - II

Lecture 14 - Recap and way forward

Lecture 15 - Types of Accounts

Lecture 16 - Tutorial - Types of Accounts - Part I

Lecture 17 - Tutorial - Types of Accounts - Part II

Lecture 18 - Debit and Credit

Lecture 19 - Tutorial - Debit and Credit

Lecture 20 - Rules of debit and credit

Lecture 21 - Entering transactions in Journal - Part I

Lecture 22 - Entering transactions in Journal - Part II

Lecture 23 - Entering transactions in Journal - Part III

Lecture 24 - Tutorial - Entering transactions in Journal I - Part I

Lecture 25 - Tutorial - Entering transactions in Journal I - Part II

Lecture 26 - Tutorial - Entering transactions in Journal I - Part III

Lecture 27 - Key Trends in Journalizing

Lecture 28 - Journalizing complex transactions

Lecture 29 - Practice Problem - I

Lecture 30 - Recap and way forward

Lecture 31 - Introduction to Ledger

Lecture 32 - Process of Ledger Posting - Part 1

Lecture 33 - Process of Ledger Posting - Part 2

Lecture 34 - Process of Ledger Posting - Part 3

Lecture 35 - Balancing the Accounts

Lecture 36 - Debit and Credit Balances

Lecture 37 - Tutorial - Identifying balances - Part 1

Lecture 38 - Tutorial - Identifying balances - Part 2

Lecture 39 - Tutorial - Identifying balances - Part 3

Lecture 40 - Tutorial - Identifying balances - Part 4

Lecture 41 - Practice Problem - I

Lecture 42 - Practice Problem - II

Lecture 43 - Practice Problem - III

Lecture 44 - Recap and way forward

Lecture 45 - Introduction to Trial Balance

Lecture 46 - Preparation of Trial Balance

Lecture 47 - Practice Problem - 1

Lecture 48 - Practice Problem - 2

Lecture 49 - Errors in Trial Balance

Lecture 50 - Recap and way forward

Lecture 51 - Introduction to Final Accounts

Lecture 52 - Tutorial - Identifying direct and indirect expenses

Lecture 53 - Tutorial - Mapping operating and non operating items to direct and indirect items

Lecture 54 - Preparation of Final Accounts

Lecture 55 - Tutorial - Preparation of Final Accounts

Lecture 56 - Tutorial - Preparation of Trading Account

Lecture 57 - Tutorial - Preparation of P&L Account

Lecture 58 - Tutorial - Preparation of Balance Sheet

Lecture 59 - Practice Problem

Lecture 60 - Adjustments in Final Accounts

Lecture 61 - Transactions to be adjusted in Final Accounts - Part 1

Lecture 62 - Transactions to be adjusted in Final Accounts - Part 2

Lecture 63 - Tutorial - Adjustments in Final Accounts

Lecture 64 - Tutorial - Calculating Cost of Goods Sold

Lecture 65 - Tutorial - Outstanding Expenses

Lecture 66 - Tutorial - Prepaid Expenses

Lecture 67 - Validating the learning - Balance Sheet

Lecture 68 - Validating the learning - Income Statement

Lecture 69 - Recap and way forward

Lecture 70 - Introduction to Financial Statement Analysis

Lecture 71 - Liquidity Ratios

Lecture 72 - Tutorial - Liquidity Ratios

Lecture 73 - Solvency Ratios

Lecture 74 - Tutorial - Solvency Ratios

Lecture 75 - Profitability Ratios

Lecture 76 - Tutorial - Profitability Ratios - Part 1

Lecture 77 - Tutorial - Profitability Ratios - Part 2

Lecture 78 - Efficiency Ratios

Lecture 79 - Tutorial - Efficiency Ratios

Lecture 80 - Validating the learning - Walkthrough of RIL's Annual Report

Lecture 81 - Online Resources for Financial Analysis

Lecture 82 - Practice Problem - Liquidity Position

Lecture 83 - Practice Problem - Solvency Position

Lecture 84 - Practice Problem - Profitability Position

Lecture 85 - Practice Problem - Profitability Position

Lecture 86 - Practice Problem - Interpretation of Ratios

Lecture 87 - Practice Problem - Arithmetic problems

Lecture 88 - Recap and way forward

Lecture 89 - Types of Cash Flows

Lecture 90 - Tutorial - Types of Cash Flows

Lecture 91 - Walkthough of Cash Flow Statement of RIL

Lecture 92 - Profit and Loss Appropriation Account

Lecture 93 - Cash Flows from Operating Activities - Part 1

Lecture 94 - Cash Flows from Operating Activities - Part 2

Lecture 95 - Tutorial - Changes in working capital

Lecture 96 - Tutorial - Cash Flows from Operating Activities - Part 1

Lecture 97 - Cash Flows from Investing Activities

Lecture 98 - Tutorial - Cash Flows from Investing Activities

Lecture 99 - Cash Flows from Financing Activities

Lecture 100 - Tutorial - Cash Flows from Financing Activities

Lecture 101 - Preparing Cash Flow Statement

Lecture 102 - Identifying hidden information - Part 1

Lecture 103 - Identifying hidden information - Part 2

Lecture 104 - Identifying hidden information - Part 3

Lecture 105 - Practice Problem - Part 1

Lecture 106 - Practice Problem - Part 2

Lecture 107 - Need of Break Even Analysis

Lecture 108 - Understanding the nature of costs

Lecture 109 - Contribution Margin

Lecture 110 - Tutorial - Contribution

Lecture 111 - Break Even Point

Lecture 112 - Tutorial - Break Even Point

Lecture 113 - Tutorial - Break Even Point

Lecture 114 - Visualizing the Break Even Point

Lecture 115 - Tutorial - Break Even Analysis

Lecture 116 - Case - Break Even Analysis

Lecture 117 - Introduction to Inventory Management

Lecture 118 - Economic Order Quantity

Lecture 119 - ABC Analysis

Lecture 120 - Methods of stock valuation

NPTEL : NOC:Technology Forecasting for Strategic Decision Making - An Introduction (Management)

Co-ordinators : Prof. Dmitry Kucharavy, Prof. Bala Ramadurai

Lecture 1 - Introduction to Tech Forecasting for Strategic Decision Making

Lecture 2 - Famous forecasts which missed the mark

Lecture 3 - Why do we need technology forecasts? - Innovation vs Invention Efficiency vs Effectiveness

Lecture 5 - Why do we need technology forecasts? - Limiting Resources

Lecture 6 - Why do we need technology forecasts? - Why is it difficult to forecast?

Lecture 7 - Why do we need technology forecasts? - General stages of forecasting?

Lecture 9 - Failure and Success Startup Stories

Lecture 10 - Strategic, Tactical and Operational Decision Making

Lecture 11 - Quiz about Strategic, Tactical and Operational decision making

Lecture 12 - Answer to the quiz on Strategic, Tactical and operational decision making

Lecture 13 - Introduction to Vacuum forming case study and FORMAT handbook

Lecture 14 - Quiz on systems and set

Lecture 15 - Quiz on functions

Lecture 16 - Technology Lifecycle - Example case study - Transportation

Lecture 17 - Technology Lifecycle - Seasons, Clockspeed - Part 1

Lecture 18 - Technology Lifecycle - Seasons, Clockspeed - Part 2

Lecture 19 - Technology Lifecycle - Seasons, Clockspeed - Part 3

Lecture 20 - Technology Lifecycle - Seasons, Clockspeed - Part 4

Lecture 21 - Technology Lifecycle - Seasons, Clockspeed - Part 5

Lecture 22 - Aryabhata's experience in modeling and Live Solar Eclipse

Lecture 23 - Alternatives to forecasting in scope of technology management

Lecture 24 - Alternatives to forecasting in scope of technology management - Q&A

Lecture 25 - Element-Name-Value Model

Lecture 26 - System Operator

Lecture 27 - How to collect problems for mapping

Lecture 28 - How to formalize our knowledge about problems?

Lecture 29 - System function - What's function 1 Energy for cooking

Lecture 30 - System function - What's the function 2 Mosquito repellant

Lecture 31 - System function - What's the function 3 Pancake (Dosa) batter

Lecture 32 - Technological roadmaps

Lecture 33 - Maps of contradiction for forecasting

Lecture 34 - Quantitative forecasting

Lecture 35 - Demo of S-curve fitting software

Lecture 36 - Forecasting and Forecast

NPTEL : NOC:Leadership for India Inc: Practical Concepts and Constructs (Management)

Co-ordinators : Prof. C Bhaktavatsala Rao

Lecture 1 - Leadership: Business Context

Lecture 2 - Leadership and Management

Lecture 3 - Management Thought - 1

Lecture 4 - Management Thought - 2

Lecture 5 - Management Thought - 3

Lecture 6 - Trait Theory

Lecture 7 - Behavioural Theory

Lecture 8 - Situational Theory

Lecture 9 - Path-Goal Theory

Lecture 10 - Leader-Member Exchange Theory

Lecture 11 - Technology Leadership

Lecture 12 - Climate Leadership

Lecture 13 - Resource Leadership

Lecture 14 - Global Leadership

Lecture 15 - Crisis Leadership

Lecture 16 - Leadership Attributes

Lecture 17 - Apex Leadership Attributes

Lecture 18 - Leadership Essentials

Lecture 19 - Learning to Lead

Lecture 20 - Indian Leader Competencies

Lecture 21 - Self-actualization

Lecture 22 - Leadership Balance

Lecture 23 - Paradox Management

Lecture 24 - Agile and Precise

Lecture 25 - Adaptive Processes

Lecture 26 - Stature versus Title

Lecture 27 - Vision, Strategy, Structure and Execution

Lecture 28 - Organization Structures

Lecture 29 - Effective Execution

Lecture 30 - Building Perpetual Corporations

Lecture 31 - Enablement as Development

Lecture 32 - Instilling Development Passion

Lecture 33 - CEO Succession

Lecture 34 - Success Factors for Succession

Lecture 35 - Stage and Stature

Lecture 36 - R&D Leadership

Lecture 37 - Operations Leadership

Lecture 38 - Marketing Leadership

Lecture 39 - Finance Leadership

Lecture 40 - Human Resources Leadership

Lecture 41 - Pioneering Leadership Model

Lecture 42 - Performance Leadership Model

Lecture 43 - Corporate Longevity Model

Lecture 44 - Intellectual Leadership Model

Lecture 45 - Leadership Accountability Model

Lecture 46 - Charismatic Leadership Model

Lecture 47 - People Leadership Model

Lecture 48 - Follower Leadership Model

Lecture 49 - Dependence-Independence Model

Lecture 50 - Connected Leadership Model

Lecture 51 - Leadership Sensibilities

Lecture 52 - Leadership Mistakes

Lecture 53 - Lonely at the Top

Lecture 54 - Leadership Emotions

Lecture 55 - Organizational Totalitarianism

Lecture 56 - Dr A P J Abdul Kalam President without Precedent

Lecture 57 - Dr C K Prahalad Timeless in Strategy, Tireless in Creativity

Lecture 58 - Steve Jobs Technology Visionary Par Excellence

Lecture 59 - Dr KallamAnjiReddy Game Changing Pharma Entrepreneur

Lecture 60 - J R D Tata Conglomerate Leadership Beyond Compare

Lecture 61 - Mahatma Gandhi Leadership Beyond Compare

Lecture 62 - In Closing

NPTEL : NOC:Strategy and Technology: A Practical Primer (Management)

Co-ordinators : Prof. C Bhaktavatsala Rao

Lecture 1 - External analysis

Lecture 2 - Industry evolution

Lecture 3 - Five forces model

Lecture 4 - Generic competitive strategies

Lecture 5 - Position analyses

Lecture 6 - Competitive Dynamics

Lecture 7 - Business Portfolio Analysis

Lecture 8 - Global Strategy

Lecture 9 - Creative Strategy

Lecture 10 - Balanced Scorecard

Lecture 11 - Execution overview

Lecture 12 - Structure as enabler

Lecture 13 - Execution

Lecture 14 - Execution case study

Lecture 15 - Strategic management

Lecture 16 - Competitive strategy overview

Lecture 17 - Economic forces

Lecture 18 - Liquidity as the sixth force

Lecture 19 - The six forces model

Lecture 20 - Strategic groups

Lecture 21 - Buyer power

Lecture 22 - Supplier power

Lecture 23 - Competitive moves

Lecture 24 - Market signaling

Lecture 25 - Competitor clusters and analysis

Lecture 26 - Generic strategies

Lecture 27 - Structural analysis and competitive strategy

Lecture 28 - Quality, Cost and value

Lecture 29 - Differentiation and De-commoditization

Lecture 30 - Niche as a core competence

Lecture 31 - Generic industry environments

Lecture 32 - Integration, Expansion, and Diversification

Lecture 33 - Comparators and responders

Lecture 34 - Strategic balance

Lecture 35 - Technology and collaboration

Lecture 36 - Technology strategy

Lecture 37 - Competition in technology prism

Lecture 38 - Technological competence

Lecture 39 - Generic technology strategies

Lecture 40 - Innovation and generic strategies

Lecture 41 - Technology and Differentiation

Lecture 42 - Technology and Followership

Lecture 43 - Technology in five forces prism

Lecture 44 - Technology and Patenting

Lecture 45 - Technology and Change

Lecture 46 - Customised product design

Lecture 47 - Technology and functionality

Lecture 48 - Technological behaviour

Lecture 49 - Technology and public policy

Lecture 50 - Technology and transformation

Lecture 51 - Strategic shifts

Lecture 52 - Business models

Lecture 53 - Retro - Futurism

Lecture 54 - Innovation strategy and process

Lecture 55 - High technology business companies

Lecture 56 - Renewables and electric vehicles

Lecture 57 - Dyson and 3M

Lecture 58 - GE and DuPont

Lecture 59 - NVIDIA and Bose

Lecture 60 - Fitbit and apple

Lecture 61 - In closing

NPTEL : NOC:Business Development: From Start to Scale (Management)

Co-ordinators : Prof. C Bhaktavatsala Rao

Lecture 1 - Understanding Business Development

Lecture 2 - Marketing and Business Development

Lecture 3 - Markets and Marketing

Lecture 4 - Strategy Formulation

Lecture 5 - Business Development Cases

Lecture 6 - Successful Business

Lecture 7 - Industry and Market

Lecture 8 - Vision, Mission and Strategy

Lecture 9 - Goals

Lecture 10 - Case Study of Business Development Excellence

Lecture 11 - Industry and Business

Lecture 12 - Porter's Five Forces Theory

Lecture 13 - Industrial Transformations

Lecture 14 - Competitive Strategies

Lecture 15 - Company Analysis

Lecture 16 - Industry, Market and Business

Lecture 17 - Industry and Market Analysis

Lecture 18 - Market Structures

Lecture 19 - Demand Forecasting

Lecture 20 - Competitor Analysis

Lecture 21 - Customer Characteristics

Lecture 22 - Customer Typologies

Lecture 23 - Market Research and Design Thinking

Lecture 24 - Customer Bonding

Lecture 25 - Customer Relationship Management

Lecture 26 - Market and Market Descriptors

Lecture 27 - Market and Product Segmentation

Lecture 28 - Product-Market Segmentation

Lecture 29 - Segmentation Deep Dive

Lecture 30 - Market Attractivenesss and competitive positioning

Lecture 31 - Branding

Lecture 32 - Brand Organization

Lecture 33 - Advertising and Communication

Lecture 34 - Servitization

Lecture 35 - Pricing

Lecture 36 - A New IT Start-up

Lecture 37 - An FMCG Start-up

Lecture 38 - A logistics start-up

Lecture 39 - A Nutraceuticals Start-up

Lecture 40 - A Telecom Fightback

Lecture 41 - Collaborations

Lecture 42 - Strategic Alliances

Lecture 43 - Joint Ventures

Lecture 44 - Subsidiaries

Lecture 45 - Mergers and Acquisitions

Lecture 46 - Value Chain Competencies

Lecture 47 - Functional Competencies

Lecture 48 - Negotiating Skills

Lecture 49 - Cultural Skills

Lecture 50 - Leadership Attributes

Lecture 51 - Growth Strategies

Lecture 52 - Growth Examples

Lecture 53 - Fragmented Industries and Emerging Industries

Lecture 54 - Mature Industries and Declining Industries

Lecture 55 - Global Industries and New Businesses

Lecture 56 - A Pharma Transformation

Lecture 57 - Pharma Strategic Alliances

Lecture 58 - Business Turbulence

Lecture 59 - Creating Value

Lecture 60 - From Starting to scale in Closing

NPTEL : NOC:Applied Econometrics (2023) (Management)

Co-ordinators : Prof. Sabuj Kumar Mandal

Lecture 1 - Instrumental Variable Estimation - Part I

Lecture 2 - Instrumental Variable Estimation - Part II

Lecture 3 - Instrumental Variable Estimation - Part III

Lecture 4 - Instrumental Variable Estimation - Part IV

Lecture 5 - Instrumental Variable Estimation - Part V

Lecture 6 - Instrumental Variable Estimation - Part VI

Lecture 7 - Instrumental Variable Estimation - Part VII

Lecture 8 - Instrumental Variable Estimation - Part VIII

Lecture 9 - Instrumental Variable Estimation - Part IX

Lecture 10 - Instrumental Variable Estimation - Part X

Lecture 11 - Instrumental Variable Estimation - Part XI

Lecture 12 - Simultaneous Equation Model - Part I

Lecture 13 - Simultaneous Equation Model - Part II

Lecture 14 - Simultaneous Equation Model - Part III

Lecture 15 - Simultaneous Equation Model - Part IV

Lecture 16 - Simultaneous Equation Model - Part V

Lecture 17 - Simultaneous Equation Model - Part VI

Lecture 18 - Simultaneous Equation Model - Part VII

Lecture 19 - Simultaneous Equation Model - Part VIII

Lecture 20 - Pooled Data and Panel Data Model Estimation - Part I

Lecture 21 - Pooled Data and Panel Data Model Estimation - Part II

Lecture 22 - Pooled Data and Panel Data Model Estimation - Part III

Lecture 23 - Pooled Data and Panel Data Model Estimation - Part IV

Lecture 24 - Pooled Data and Panel Data Model Estimation - Part V

Lecture 25 - Pooled Data and Panel Data Model Estimation - Part VI

Lecture 26 - Panel Data Model Estimation - Part VII

Lecture 27 - Panel Data Model Estimation - Part IX

Lecture 28 - Qualitative Response Model - Part I

Lecture 29 - Qualitative Response Model - Part II

Lecture 30 - Qualitative Response Model - Part III

Lecture 31 - Qualitative Response Model - Part IV

Lecture 32 - Qualitative Response Model - Part V

Lecture 33 - Qualitative Response Model - Part VI

Lecture 34 - Multinomial Regression Model - Part I

Lecture 35 - Multinomial Regression Model - Part II

Lecture 36 - Multinomial Regression Model - Part III

Lecture 37 - Multinomial Regression Model - Part IV

Lecture 38 - Dynamic Panel data Model - Part I

Lecture 39 - Dynamic Panel data Model - Part II

Lecture 40 - Dynamic Panel data Model - Part III

Lecture 41 - Dynamic Panel data Model - Part IV

Lecture 42 - Dynamic Panel data Model - Part V

Lecture 43 - Dynamic Panel data Model - Part VI

Lecture 44 - Dynamic Panel data Model - Part VII

Lecture 45 - Dynamic Panel data Model - Part VIII

Lecture 46 - Dynamic Panel data Model - Part IX

Lecture 47 - Dynamic Panel data Model - Part X

Lecture 48 - Dynamic Panel data Model - Part XI

Lecture 49 - Dynamic Panel data Model - Part XII

Lecture 50 - Dynamic Panel data Model - Part XIII

Lecture 51 - Dynamic Panel data Model - Part XIV

Lecture 52 - Dynamic Panel data Model - Part XV

Lecture 53 - Dynamic Panel data Model - Part XVI

Lecture 54 - Dynamic Panel data Model - Part XVII

Lecture 55 - Dynamic Panel data Model - Part XVIII

Lecture 56 - Dynamic Panel data Model - Part XIX

Lecture 57 - Dynamic Panel data Model - Part XX

Lecture 58 - Course outline for Applied Econometrics

NPTEL : NOC:Working in Contemporary Teams (Management)

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

Lecture 1 - Introduction to contemporary teams

Lecture 2 - Introduction to virtual teams

Lecture 3 - Virtual teams

Lecture 4 - Factors affecting virtual teams

Lecture 5 - Managing virtualness

Lecture 6 - Cross-cultural teams

Lecture 7 - Factors affecting cross-cultural teams

Lecture 8 - Introduction to start-up teams

Lecture 9 - Factors affecting start-up teams

Lecture 10 - Introduction to IPO model in teams

Lecture 11 - Introduction to Human-AI teams

Lecture 12 - Inputs and Processes in Human-AI teams

Lecture 13 - States and Outcomes in Human-AI teams

Lecture 14 - Multiple Team Membership and Multi-team Systems

Lecture 15 - Introduction to Agile teams

Lecture 16 - Team Dynamics in Agile teams

Lecture 17 - Remote work teams

NPTEL : NOC:Foundations of Accounting and Finance (Management)

Co-ordinators : Prof. Arun Kumar Gopalaswamy

Lecture 1 - Introduction to Financial Accounting and Cost Accounting

Lecture 2 - Introduction to Corporate Finance

Lecture 3 - Contents of Income Statement and Balance Sheet - Part I

Lecture 4 - Contents of Income Statement and Balance Sheet - Part II

Lecture 5 - Interaction between Income Statement and Balance Sheet

Lecture 6 - Preparation of Income Statement and Balance Sheet: Example - Part I

Lecture 7 - Preparation of Income Statement and Balance Sheet: Example - Part II

Lecture 8 - Preparation of Income Statement and Balance Sheet: Example - Part III

Lecture 9 - Preparation of Balance Sheet: Lone Pine Cafe A - Part I

Lecture 10 - Preparation of Balance Sheet: Lone Pine Cafe A - Part II

Lecture 11 - Preparation of Income Statement: Lone Pine Cafe B

Lecture 12 - Cash Flow Statement: Concept and Example (Direct Method) - Lone Pine Cafe

Lecture 13 - Classification of Balance Sheet Items: Maynard Company A

Lecture 14 - Preparation of Income Statement: Maynard Company B

Lecture 15 - Preparation of Cash Flow Statement: Lone Pine Cafe (Indirect Method)

Lecture 16 - Preparation of Cash Flow Statement: Lori Crump (Indirect Method)

Lecture 17 - Preparation of cash flow statement: An example (Direct Method)

Lecture 18 - Preparation of cash flow statement: An example (Indirect Method)

Lecture 19 - Ratio Analysis - Part I - Analysis of financial statements

Lecture 20 - Ratio Analysis - Part II - Profitability Ratios

Lecture 21 - Ratio Analysis - Part III - Dividend and Liquidity Ratios

Lecture 22 - Ratio Analysis - Part IV - Efficiency Ratios

Lecture 23 - Cost, Costing and Cost Accounting

Lecture 24 - Classification of Costs

Lecture 25 - Preparation of Cost Sheet - Part I

Lecture 26 - Preparation of Cost Sheet - Part II

Lecture 27 - Allocation and Apportionment of Cost

Lecture 28 - Primary and Secondary Distribution of Overhead

Lecture 29 - Activity Based Costing - Part I

Lecture 30 - Activity Based Costing - Part II

Lecture 31 - Break-Even Analysis

Lecture 32 - Decision Making using Cost Accounting Informations - Examples - Part I

Lecture 33 - Decision Making using Cost Accounting Informations - Examples - Part II

Lecture 34 - Decision Making using Cost Accounting Informations - Examples - Part III

Lecture 35 - Decision Making using Cost Accounting Informations - Examples - Part IV

Lecture 36 - Decision Making using Cost Accounting Informations - Examples - Part V

Lecture 37 - Introduction to Budgeting: Preparation of Budgets - Part I

Lecture 38 - Introduction to Budgeting: Preparation of Budgets - Part II

Lecture 39 - Introduction to Budgeting: Preparation of Budgets - Part III

Lecture 40 - Flexible Budget and Variance Analysis

Lecture 41 - Foundations of Corporate Finance - Part I

Lecture 42 - Foundations of Corporate Finance - Part II

Lecture 43 - Time Value of Money: Present Value and Future Value in Single and Multiperiod case

Lecture 44 - Simplification of Cash Flows: Annuity, Growing Annuity, Perpetuity and Growing Perpetuity

Lecture 45 - Bond Valuation - Part I

Lecture 46 - Bond Valuation - Part II

Lecture 47 - Stock Valuation

Lecture 48 - Numericals on Bond and Stock Valuation

Lecture 49 - Technique of Evaluating Capital Investment Decisions

Lecture 50 - Numericals on Technique of Evaluating Capital Investment Decisions

Lecture 51 - Risk and Return - Part I

Lecture 52 - Risk and Return - Part II

Lecture 53 - Risk and Return: Individual Securities

Lecture 54 - Risk and Return: Portfolio

Lecture 55 - Cost of Capital and Valuation - Part I

Lecture 56 - Cost of Capital and Valuation - Part II

Lecture 57 - Valuation and Capital Structure

Lecture 58 - Dividend and Other Payouts

NPTEL : NOC:Strategic Sourcing (Management)

Co-ordinators : Prof. Arshinder Kaur

Lecture 1 - Evolution of Sourcing and changing paradigms

Lecture 2 - Changing Expectations leading to Supply Management and Strategic Sourcing

Lecture 3 - Supply Chains and Supply Networks

Lecture 4 - Return on Assets

Lecture 5 - Strategic sourcing and Organisation's Strategy Importance of supply management

Lecture 6 - Procure to Pay cycle

Lecture 7 - Recognition of need

Lecture 8 - Purchasing and supply process - 1

Lecture 9 - Purchasing and supply process - 2

Lecture 10 - Need identification and types - 1

Lecture 11 - Need identification and types - 2

Lecture 12 - Indirect contributions of Supply

Lecture 13 - Aligning supply objectives with organisation's strategy

Lecture 14 - Procurement in Organizations - 1

Lecture 15 - Procurement in Organizations - 2

Lecture 16 - Developing supply strategy - 1

Lecture 17 - Developing Sourcing/Supply strategy - 1

Lecture 18 - Developing Sourcing/Supply strategy - 2

Lecture 19 - Technology in Sourcing

Lecture 20 - Reverse Auctions

Lecture 21 - Success stories about technologies in Sourcing

Lecture 22 - Strategic cost management - 1

Lecture 23 - Strategic cost management - 2

Lecture 24 - Strategic cost management - Cost analysis

Lecture 25 - Sustainability in Supply management - 1

Lecture 26 - Sustainability in Supply management - 2

Lecture 27 - Science Based Targets

Lecture 28 - Negotiation supply management

Lecture 29 - Planning for negotiation

Lecture 30 - Negotiation strategy

Lecture 31 - Negotiation strategy (Continued...)

Lecture 32 - Supply Contracts

Lecture 33 - Types of supply contracts - 1

Lecture 34 - Types of supply contracts - 2

Lecture 35 - Supplier selection and evaluation - 1

Lecture 36 - Supplier selection and evaluation - 2

Lecture 37 - Supplier selection and evaluation - 3

Lecture 38 - Outsourcing decisions - 1

Lecture 39 - Outsourcing decisions - 2

Lecture 40 - TOPSIS

Lecture 41 - Goal Programming

Lecture 42 - Interpretive structural model - 1

Lecture 43 - Interpretive structural model - 2

Lecture 44 - Supply risk management

Lecture 45 - Risk management framework

Lecture 46 - Supply risk examples

Lecture 47 - Assessment of risk

Lecture 48 - Risk metrics

NPTEL : NOC:Fundamentals of Cost Accounting (Management)

Co-ordinators : Prof. Arindam Banerjee

Lecture 1 - Introduction to Cost Accounting - Part I

Lecture 2 - Introduction to Cost Accounting - Part II

Lecture 3 - Material Cost - Part I

Lecture 4 - Material Cost - Part II

Lecture 5 - Labour Cost - Part I

Lecture 6 - Labour Cost - Part II

Lecture 7 - Overhead - Part I

Lecture 8 - Overhead - Part II

Lecture 9 - Cost Sheet - Part I

Lecture 10 - Cost Sheet - Part II

Lecture 11 - Job Costing - Part I

Lecture 12 - Job Costing - Part II

Lecture 13 - Service / Operating Costing - Part I

Lecture 14 - Service / Operating Costing - Part II

Lecture 15 - Contract Costing - Part I

Lecture 16 - Contract Costing - Part II

Lecture 17 - Process Costing - Part I

Lecture 18 - Process Costing - Part II

Lecture 19 - Cost Volume Profit Analysis - Part I

Lecture 20 - Cost Volume Profit Analysis - Part II

Lecture 21 - Cost Volume Profit Analysis - Part III

Lecture 22 - Cost Volume Profit Analysis - Part IV

Lecture 23 - Decision Making - Part I

Lecture 24 - Decision Making - Part II

Lecture 25 - Decision Making - Part III

Lecture 26 - Decision Making - Part IV

Lecture 27 - Decision Making - Part V

Lecture 28 - Budgetary Control - Part I

Lecture 29 - Budgetary Control - Part II

Lecture 30 - Budgetary Control - Part III

Lecture 31 - Budgetary control - Part IV

Lecture 32 - Budgetary control - Part V

Lecture 33 - Budgetary control - Part VI

Lecture 34 - Standard Costing - Part I

Lecture 35 - Variance Analysis - Part I

Lecture 36 - Variance Analysis - Part II

Lecture 37 - Variance Analysis - Part III

Lecture 38 - Variance Analysis - Part IV

Lecture 39 - Variance Analysis - Part V

Lecture 40 - Interaction with CFO

NPTEL : NOC:Introduction to GST (Management)

Co-ordinators : Prof. Anil Sharma

Lecture 1 - Concept of GST and difference between Direct tax and Indirect tax - Part 1

Lecture 2 - Concept of GST and difference between Direct tax and Indirect tax - Part 2

Lecture 3 - Concept of GST and difference between Direct tax and Indirect tax - Part 3

Lecture 4 - Concept of GST and difference between Direct tax and Indirect tax - Part 4

Lecture 5 - Registration - Part 1

Lecture 6 - Registration - Part 2

Lecture 7 - Registration - Part 3

Lecture 8 - Registration - Part 4

Lecture 9 - Place of Supply - Part 1

Lecture 10 - Place of Supply - Part 2

Lecture 11 - Place of Supply - Part 3

Lecture 12 - Place of Supply - Part 4

Lecture 13 - Place of Supply - Part 5

Lecture 14 - Value of Supply - Part 1

Lecture 15 - Value of Supply - Part 2

Lecture 16 - Value of Supply - Part 3

Lecture 17 - Value of Supply - Part 4

Lecture 18 - Value of Supply - Part 5

Lecture 19 - Input Tax Credit 1 - Part 1

Lecture 20 - Input Tax Credit 1 - Part 2

Lecture 21 - Input Tax Credit 1 - Part 3

Lecture 22 - Input Tax Credit 1 - Part 4

Lecture 23 - Input Tax Credit 1 - Part 5

Lecture 24 - Input Tax Credit 2 - Part 1

Lecture 25 - Input Tax Credit 2 - Part 2

Lecture 26 - Payment of Taxes - Part 1

Lecture 27 - Payment of Taxes - Part 2

Lecture 28 - Returns - Part 1

Lecture 29 - Returns - Part 2

Lecture 30 - Returns - Part 3

Lecture 31 - Returns - Part 4

Lecture 32 - Overview of GST portal - Part 1

Lecture 33 - Overview of GST portal - Part 2

Lecture 34 - Overview of GST portal - Part 3

Lecture 35 - Overview of GST portal - Part 4

Lecture 36 - Overview of GST portal - Part 5

NPTEL : NOC:Research for Marketing Decisions (Management)

Co-ordinators : Prof. Vaibhav Chawla

Lecture 1 - What is Market and Marketing?

Lecture 2 - Research, Marketing Research and its Types

Lecture 3 - Introduction to Marketing Research Process

Lecture 4 - Step #1 Problem Definition Discussion with Decision Maker

Lecture 5 - Step #1 Problem Definition Problem Audit, Interview with Experts, Qualitative Research

Lecture 6 - Step #1 Problem Definition Marketing Research Problem and an Example

Lecture 7 - Step #2 Developing an approach to the problem Understanding a Theory

Lecture 8 - Step #2 Developing an approach to the problem Components of an approach

Lecture 9 - Step #2 Developing an approach to the problem Examples

Lecture 10 - Case Studies for Problem Definition Process

Lecture 11 - Research Design: An Introduction

Lecture 12 - Exploratory and Descriptive Research Design: An Introduction

Lecture 13 - Exploratory Research Techniques: Secondary Data and Thematic Analysis

Lecture 14 - Exploratory Research Techniques: Secondary Data and Qualitative Research - Focus Group Discussion

Lecture 15 - Exploratory Research Techniques: Focus Group Discussion Videos

Lecture 16 - Exploratory Research Techniques: Depth Interviews

Lecture 17 - Exploratory Research Techniques: Projective Techniques

Lecture 18 - Descriptive Research Techniques

Lecture 19 - Causal Research Design: Experiments and Confounding Variables

Lecture 20 - Causal Research Design: Experiments and Related Terminologies

Lecture 21 - Causal Research Design: Experiments and its Types

Lecture 22 - Measurement and Scaling: Levels of Measurement

Lecture 23 - Measurement and Scaling: Comparative and Non Comparative Scaling

Lecture 24 - Measurement and Scaling: Non Comparative Scaling - Likert Item Scales

Lecture 25 - Measurement and Scaling: Semantic Differential Scale and Other Scale Decisions

Lecture 26 - Measurement and Scaling: Multi item Scales

Lecture 27 - Measurement and Scaling: Multi item Scales, Conceptual and Operational Definitions

Lecture 28 - Questionnaire Design: Initial Steps 1 to 5

Lecture 29 - Questionnaire Design: Steps 6 onwards and Other Issues

Lecture 30 - Questionnaire Design: Framing Common Demographic and Screener Questions

Lecture 31 - Data Analysis using SPSS: Entering the Data

Lecture 32 - Data Analysis using SPSS: Data Cleaning and Descriptive Statistics

Lecture 33 - Data Analysis using SPSS: Charts, Outliers, and Descriptive Statistics

Lecture 34 - Data Analysis using SPSS: Cross Tabs

Lecture 35 - Data Analysis using SPSS: Hypothesis Testing for Association

Lecture 36 - Data Analysis using SPSS: Hypothesis Testing for Differences in Means P value, Sampling Distribution

Lecture 37 - Data Analysis using SPSS: Hypothesis Testing for Differences in Means (Independent Sample T test)

Lecture 38 - Analysis using SPSS: Hypothesis Testing for Differences in Means Paired Sample T test, One way ANOVA

NPTEL : NOC:Public Organization and Management (Management)

Co-ordinators : Prof. Vaneet Kashyap

Lecture 1 - Foundations of Public Management - I

Lecture 2 - Foundations of Public Management - II

Lecture 3 - Foundations of Public Management - III

Lecture 4 - Foundations of Public Management - IV

Lecture 5 - Foundations of Public Management - V

Lecture 6 - Approaches to the field of Management - I

Lecture 7 - Approaches to the field of Management - II

Lecture 8 - Approaches to the field of Management - III

Lecture 9 - Approaches to the field of Management - IV

Lecture 10 - Approaches to the field of Management - V

Lecture 11 - Environment of Public organizations - I

Lecture 12 - Environment of Public organizations - II

Lecture 13 - Environment of Public organizations - III

Lecture 14 - Environment of Public organizations - IV

Lecture 15 - Environment of Public organizations - V

Lecture 16 - Accountability and Control - I

Lecture 17 - Accountability and Control - II

Lecture 18 - Accountability and Control - III

Lecture 19 - Accountability and Control - IV

Lecture 20 - Accountability and Control - V

Lecture 21 - Goals, effectiveness and Performance - I

Lecture 22 - Goals, effectiveness and Performance - II

Lecture 23 - Goals, effectiveness and Performance - III

Lecture 24 - Goals, effectiveness and Performance - IV

Lecture 25 - Goals, effectiveness and Performance - V

Lecture 26 - Structure of Public organizations - I

Lecture 27 - Structure of Public organizations - II

Lecture 28 - Structure of Public organizations - III

Lecture 29 - Structure of Public organizations - IV

Lecture 30 - Structure of Public organizations - V

Lecture 31 - Management of people in public organizations - I

Lecture 32 - Management of people in public organizations - II

Lecture 33 - Management of people in public organizations - III

Lecture 34 - Management of people in public organizations - IV

Lecture 35 - Management of people in public organizations - V

Lecture 36 - Public Service Motivation - I

Lecture 37 - Public Service Motivation - II

Lecture 38 - Public Service Motivation - III

Lecture 39 - Public Service Motivation - IV

Lecture 40 - Public Service Motivation - V

Lecture 41 - Effective Leadership in Public Organizations - I

Lecture 42 - Effective Leadership in Public Organizations - II

Lecture 43 - Effective Leadership in Public Organizations - III

Lecture 44 - Effective Leadership in Public Organizations - IV

Lecture 45 - Effective Leadership in Public Organizations - V

Lecture 46 - Administrative reforms and organizational change in pubilc organizations - I

Lecture 47 - Administrative reforms and organizational change in pubilc organizations - II

Lecture 48 - Administrative reforms and organizational change in pubilc organizations - III

Lecture 49 - Administrative reforms and organizational change in pubilc organizations - IV

Lecture 50 - Administrative reforms and organizational change in pubilc organizations - V

Lecture 51 - Public Management through Collaboration - I

Lecture 52 - Public Management through Collaboration - II

Lecture 53 - Public Management through Collaboration - III

Lecture 54 - Public Management through Collaboration - IV

Lecture 55 - Public Management through Collaboration - V

Lecture 56 - Innovation in Public Sector Organization - I

Lecture 57 - Innovation in Public Sector Organization - II

Lecture 58 - Innovation in Public Sector Organization - III

Lecture 59 - Innovation in Public Sector Organization - IV

Lecture 60 - Innovation in Public Sector Organization - V

NPTEL : NOC:Financial Statement Analysis and Reporting (Management)

Co-ordinators : Prof. Anil K. Sharma

Lecture 1 - Introduction

Lecture 2 - Accounting Process

Lecture 3 - Accounting Concepts

Lecture 4 - Trial Balance and its Relevance

Lecture 5 - Relevant Accounting Statements

Lecture 6 - Journal (Part-I) - The first and original book of accounting

Lecture 7 - Journal (Part-II) - The first and original book of accounting

Lecture 8 - Ledger-The second book of accounts

Lecture 9 - Financial Statements

Lecture 10 - Financial Statements - Income Statement

Lecture 11 - Financial Statements - Balance Sheet

Lecture 12 - Financial Statements with Adjustments (Part-1)

Lecture 13 - Financial Statements with Adjustments (Part-2)

Lecture 14 - Financial Statements with Adjustments (Part-3)

Lecture 15 - Financial Statements with Adjustments (Part-4)

Lecture 16 - Financial Statements with Adjustments (Part-5)

Lecture 17 - Financial Statements with Adjustments (Part-6)

Lecture 18 - Financial Statements with Adjustments (Part-7)

Lecture 19 - Financial Statements with Adjustments (Part-8)

Lecture 20 - Financial Statements with Adjustments (Part-9)

Lecture 21 - Financial Statements with Adjustments (Part-10)

Lecture 22 - Financial Statements with Adjustments (Part-11)

Lecture 23 - Financial Statements with Adjustments (Part-12)

Lecture 24 - Financial Statements with Adjustments (Part-13)

Lecture 25 - Corporate Financial Statements (Part-1)

Lecture 26 - Corporate Financial Statements (Part-2)

Lecture 27 - Corporate Financial Statements (Part-3)

Lecture 28 - Corporate Financial Statements (Part-4)

Lecture 29 - Corporate Financial Statements (Part-5)

Lecture 30 - Corporate Financial Statements (Part-6)

Lecture 31 - Corporate Financial Statements (Part-7)

Lecture 32 - Corporate Financial Statements (Part-8)

Lecture 33 - Corporate Financial Statements (Part-9)

Lecture 34 - Financial Statement Analysis

Lecture 35 - Ratio Analysis (Part-1)

Lecture 36 - Ratio Analysis (Part-2)

Lecture 37 - Ratio Analysis (Part-3)

Lecture 38 - Different Sets of Ratios (Part-1)

Lecture 39 - Different Sets of Ratios (Part-2)

Lecture 40 - Ratio Analysis - A case of Grasim Industries (Part-1)

Lecture 41 - Ratio Analysis - A case of Grasim Industries (Part-2)

Lecture 42 - Liquidity Ratios - Grasim Industries (Part-1)

Lecture 43 - Liquidity Ratios - Grasim Industries (Part-2)

Lecture 44 - Liquidity Ratios - Grasim Industries (Part-3)

Lecture 45 - Profitability Ratios- Grasim Industries (Part-1)

Lecture 46 - Profitability Ratios- Grasim Industries (Part-2)

Lecture 47 - Profitability Ratios- Grasim Industries (Part-3)

Lecture 48 - DuPont Ratios (Part-1)

Lecture 49 - DuPont Ratios (Part-2)

Lecture 50 - Valuation or Capital Market Ratios (Part-1)

Lecture 51 - Valuation or Capital Market Ratios (Part-2)

Lecture 52 - Cash Flow Statement - Introduction (Part-1)

Lecture 53 - Cash Flow Statement (Part-2)

Lecture 54 - Preparation of Cash Flow Statement- Basic Cash Flow Statement

Lecture 55 - Cash Flow Statement - Further Analysis (Part-1)

Lecture 56 - Cash Flow Statement - Further Analysis (Part-2)

Lecture 57 - Final Cash Flow Statement (Part-1)

Lecture 58 - Final Cash Flow Statement (Part-2)

Lecture 59 - Financial Reporting (Part-1)

Lecture 60 - Financial Reporting (Part-2)

NPTEL : NOC:Supply Chain Analytics (Management)

Co-ordinators : Prof. Rajat Agrawal

Lecture 1 - Introduction to Supply Chain Management

Lecture 2 - Evolution of Supply Chain Management

Lecture 3 - Analytics in Supply Chain Management

Lecture 4 - Supply Chain Planning

Lecture 5 - Different views of Supply Chain

Lecture 6 - Supply Chain Strategy

Lecture 7 - Supply Chain Drivers

Lecture 8 - Developing Supply Chain Strategy

Lecture 9 - Strategic Fit in Supply Chain

Lecture 10 - Demand Forecasting in Supply Chain

Lecture 11 - Bullwhip Effect and Time Series Analysis

Lecture 12 - Exponential Smoothing Method of Forecasting

Lecture 13 - Measures of Forecasting Errors

Lecture 14 - Tracking Signal and Seasonality Models

Lecture 15 - Forecasting using multiple characteristics in Demand Data and Inventory Management in Supply Chain

Lecture 16 - Inventory Management in Supply Chain

Lecture 17 - Multi echelon Inventory Management

Lecture 18 - Multi echelon Inventory Management (Continued...)

Lecture 19 - Multi echelon Inventory Management for four stations

Lecture 20 - Multi echelon Inventory Management for four stations (Numerical Example)

Lecture 21 - Multi echelon Inventory Management for four stations (Numerical Example) (Continued...)

Lecture 22 - Network Design in Supply Chain

Lecture 23 - Network Design of Global Supply Chain

Lecture 24 - Alternative channels of Distribution

Lecture 25 - Location Decisions in Supply Chain

Lecture 26 - Network Optimization Models

Lecture 27 - Using Excel Solver for Network Optimization

Lecture 28 - Uncertainty in Network Design

Lecture 29 - Network Design in Uncertain Environment and Flexibility

Lecture 30 - Flexibility in Supply Chain

Lecture 31 - Optimal Level of Product Availability in Supply chain

Lecture 32 - Time Value of money in Supply Chain

Lecture 33 - Different types of Analytics in Supply Chain

Lecture 34 - Predictive Modelling in Forecasting in Supply Chain

Lecture 35 - Representation on Uncertainty in Supply Chain

Lecture 36 - Using Decision Tree for handling Uncertainty

Lecture 37 - Example of using Decision Tree incorporating Uncertainty in Single Factor

Lecture 38 - Example of using Decision Tree incorporating Uncertainty in two Key Factors

Lecture 39 - Modelling Flexibility in Supply Chain

Lecture 40 - Trends, Challenges and Future of Supply Chain

NPTEL : NOC:Marketing Research and Analysis (Management)

Co-ordinators : Dr. Jogendra Kumar Nayak

Lecture 1 - Introduction to Marketing Research

Lecture 2 - Defining Research Problem

Lecture 3 - Developing Research Approach and Developing Research Design: Non- Conclusive

Lecture 4 - Research Design: Conclusive

Lecture 5 - Qualitative Research: Nature and Approaches

Lecture 6 - Qualitative Research: Depth Interview, Focus Group Discussion

Lecture 7 - Projective Technique, Case Study

Lecture 8 - Case Study, Descriptive Research Design and Research Errors

Lecture 9 - Primary and Secondary Data, Research Error

Lecture 10 - Measurement and Scaling: Comparative and Non-comparative Scaling

Lecture 11 - Scale Development Process

Lecture 12 - Questionnaire and Form Design

Lecture 13 - Causal Research and Types

Lecture 14 - Experimental Design and Sampling

Lecture 15 - Sampling Design and Procedure

Lecture 16 - Sampling and Sample Size Determination

Lecture 17 - Hypothesis Development: Null and Alternate, Type I and Type II Errors

Lecture 18 - Data Preparation

Lecture 19 - Hypothesis Testing: T-Test, Z-Test

Lecture 20 - T, Z and F Test

Lecture 21 - Hypothesis Testing: Anova and Manova

Lecture 22 - Cross Tabulation and Chi Square Test

Lecture 23 - Correlation and Regression

Lecture 24 - Regression

Lecture 25 - Factor Analysis

Lecture 26 - Factor Analysis

Lecture 27 - SEM and CFA - 1

Lecture 28 - SEM and CFA - 2

Lecture 29 - SEM and CFA - 3

Lecture 30 - Cluster Analysis - I

Lecture 31 - Cluster Analysis - II

Lecture 32 - Discriminant Analysis

Lecture 33 - Discriminant Analysis - 1

Lecture 34 - Researching Rural Market

Lecture 35 - International Marketing Research

Lecture 36 - Ethics in Marketing Research

Lecture 37 - Ethics in Marketing Research - 1

Lecture 38 - Report Preparation and Presentation

Lecture 39 - Multi Dimentional Scaling

Lecture 40 - Conjoint Analysis

NPTEL : NOC:Project Management for Managers (Management)

Co-ordinators : S. K. Gupta, Prof. Mukesh Kumar Barua

Lecture 1 - Introduction of Project Management

Lecture 2 - Project Success

Lecture 3 - Types of Structure Organizations

Lecture 4 - Project Management Office

Lecture 5 - Stakeholders Management

Lecture 6 - Types of Projects and Project Life Cycle

Lecture 7 - Project Life Cycle Phases and Project Appraisal

Lecture 8 - Methods of Project Selection - I

Lecture 9 - Methods of Project Selection - II

Lecture 10 - Methods of Project Selection - MCDM-I

Lecture 11 - Methods of Project Selection - MCDM-II

Lecture 12 - Methods of Project Selection - MCDM-III

Lecture 13 - Market and Demand Analysis - I

Lecture 14 - Market and Demand Analysis - II

Lecture 15 - Financial Analysis

Lecture 16 - Capital Budgeting Techniques - I

Lecture 17 - Capital Budgeting Techniques - II

Lecture 18 - Financing of Projects

Lecture 19 - Risk Management - I

Lecture 20 - Risk Management - II

Lecture 21 - Risk Management (Control and Documentation)

Lecture 22 - Stand Alone Risk Analysis - I

Lecture 23 - Stand Alone Risk Analysis - II

Lecture 24 - Hillier Model

Lecture 25 - Simulation Analysis

Lecture 26 - Decision Tree Analysis - I

Lecture 27 - Decision Tree Analysis - II

Lecture 28 - Abandonment Analysis

Lecture 29 - Technical Analysis

Lecture 30 - Product Mix and Plant Capacity Analysis

Lecture 31 - Project Team Building, Conflict and Negotiation

Lecture 32 - HRM Issues and time Management

Lecture 33 - Project Time Management - Introduction

Lecture 34 - Project Time Management - Project Scheduling

Lecture 35 - Project time Management - Numbering of Nodes

Lecture 36 - Project Time Management - PERT Networks

Lecture 37 - Project Time Management - CPM

Lecture 38 - Project Time Management - Laddering in PERT/CPM

Lecture 39 - Probability Models in Networks - I

Lecture 40 - Probability Models in Networks - II

Lecture 41 - Probability Models in Networks - III

Lecture 42 - Probability Models in Networks - IV

Lecture 43 - Simulation of Networks - I

Lecture 44 - Simulation of Networks - II

Lecture 45 - Slacks and Floats - I

Lecture 46 - Slacks and Floats - II

Lecture 47 - Time and Cost Relationship

Lecture 48 - Crashing of Networks - I

Lecture 49 - Crashing of Networks - II

Lecture 50 - Crashing of Networks - III (Free Float Method)

Lecture 51 - Crashing of Networks - IV

Lecture 52 - Introduction to Project Cost Management

Lecture 53 - Cost Control (Tools and Techniques)

Lecture 54 - Cost Estimation

Lecture 55 - Introduction to Quality Management

Lecture 56 - Cost of Quality

Lecture 57 - Quality Management (Source of variability and Six Sigma)

Lecture 58 - Quality Management (Six Sigma Tools)

Lecture 59 - Procurement Management- I

Lecture 60 - Procurement Management- II and Project Termination

NPTEL : NOC:Business Analytics and Data Mining Modeling using R (Management)

Co-ordinators : Dr. Gaurav Dixit

Lecture 1 - Introduction

Lecture 2 - Data Mining Process

Lecture 3 - Introduction To R

Lecture 4 - Basic Statistics

Lecture 5 - Basic Statistics - Part 2

Lecture 6 - Partitioning Process

Lecture 7 - Visualization Techniques

Lecture 8 - Visualization Techniques - Part 2

Lecture 9 - Visualization Techniques - Part 3

Lecture 10 - Visualization Techniques - Part 4

Lecture 11 - Visualization Techniques - Part 5

Lecture 12 - Visualization Techniques - Part 6

Lecture 13 - Dimension Reduction Techniques

Lecture 14 - Dimension Reduction Techniques - Part 2

Lecture 15 - Dimension Reduction Techniques - Part 3

Lecture 16 - Performance Metrics

Lecture 17 - Performance Metrics - Part 2

Lecture 18 - Performance Metrics - Part 3

Lecture 19 - Performance Metrics - Part 4

Lecture 20 - Performance Metrics - Part 5

Lecture 21 - Prediction Performance

Lecture 22 - Multiple Linear Regression

Lecture 23 - Multiple Linear Regression - Part 2

Lecture 24 - Multiple Linear Regression - Part 3

Lecture 25 - Multiple Linear Regression - Part 4

Lecture 26 - Multiple Linear Regression - Part 5

Lecture 27 - Multiple Linear Regression - Part 6

Lecture 28 - Machine Learning Technique K-Nn

Lecture 29 - Machine Learning Technique K-Nn - Part 2

Lecture 30 - Machine Learning Technique K-Nn - Part 3

Lecture 31 - Naive Bayes

Lecture 32 - Naive Bayes - Part 2

Lecture 33 - Naive Bayes - Part 3

Lecture 34 - Naive Bayes - Part 4

Lecture 35 - Naive Bayes - Part 5

Lecture 36 - Classification And Regression Trees

Lecture 37 - Classification And Regression Trees - Part 2

Lecture 38 - Classification And Regression Trees - Part 3

Lecture 39 - Classification And Regression Trees - Part 4

Lecture 40 - Classification And Regression Trees - Part 5

Lecture 41 - Classification And Regression Trees - Part 6

Lecture 42 - Pruning Process

Lecture 43 - Pruning Process - Part 2

Lecture 44 - Pruning Process - Part 3

Lecture 45 - Regression Trees

Lecture 46 - Logistic Regression

Lecture 47 - Logistic Regression - Part 2

Lecture 48 - Logistic Regression - Part 3

Lecture 49 - Logistic Regression - Part 4

Lecture 50 - Logistic Regression - Part 5

Lecture 51 - Logistic Regression - Part 6

Lecture 52 - Logistic Regression - Part 7

Lecture 53 - Artificial Neural Networks

Lecture 54 - Artificial Neural Network - Part 2

Lecture 55 - Artificial Neural Network - Part 3

Lecture 56 - Artificial Neural Network - Part 4

Lecture 57 - Artificial Neural Network - Part 5

Lecture 58 - Artificial Neural Network - Part 6

Lecture 59 - Discriminant Analysis

Lecture 60 - Discriminant Analysis - Part 2

NPTEL : NOC:Working Capital Management (Management)

Co-ordinators : Prof. Anil K. Sharma

Lecture 1 - Introduction - I

Lecture 2 - Introduction - II

Lecture 3 - Nature of the Working Capital Management

Lecture 4 - Approaches of Working Capital Management - I

Lecture 5 - Approaches of Working Capital Management - II

Lecture 6 - Trade off between Profitability and Risk - I

Lecture 7 - Trade off between Profitability and Risk - II

Lecture 8 - Working Capital Management in Indian Business - I

Lecture 9 - Working Capital Management in Indian Business - II

Lecture 10 - Operating Cycle

Lecture 11 - Weighted Operating Cycle

Lecture 12 - Working Capital Requirement Assessment - I

Lecture 13 - Working Capital Requirement Assessment - II

Lecture 14 - Assessing Working Capital Requirements - Problem 2 and 5

Lecture 15 - Working Capital Requirement- The Conclusion

Lecture 16 - Working Capital Leverage

Lecture 17 - Risk and Cost of Holding Inventory

Lecture 18 - Inventory Costs

Lecture 19 - Inventory Behaviour

Lecture 20 - Inventory Management - Methods and Strategies

Lecture 21 - EOQ Technique of Inventory Management

Lecture 22 - Stockouts cause Walkouts

Lecture 23 - Rationing of Working Capital - I

Lecture 24 - Rationing of Working Capital - II

Lecture 25 - Different Modes of Bank Finance

Lecture 26 - Incremental Inventory - I

Lecture 27 - Incremental Inventory - II

Lecture 28 - Management of Accounts Receivables - I

Lecture 29 - Management of Accounts Receivables - II

Lecture 30 - Management of Accounts Receivables - III

Lecture 31 - Motives of Credit Sale - I

Lecture 32 - Motives of Credit Sale - II

Lecture 33 - Limitations of Credit Time Period

Lecture 34 - Written Credit Policy - I

Lecture 35 - Written Credit Policy - II

Lecture 36 - Goals and Functions of Accounts Receivables Management

Lecture 37 - Valuation of Receivables at Cost or Sales Value

Lecture 38 - Credit Policy Changes - I

Lecture 39 - Credit Policy Changes - II

Lecture 40 - Credit Policy Changes - III

Lecture 41 - Optimum Credit Policy

Lecture 42 - Credit Risk Analysis - I

Lecture 43 - Credit Risk Analysis - II

Lecture 44 - Credit Risk Analysis - III

Lecture 45 - Credit Policy Variables

Lecture 46 - Cash Management

Lecture 47 - Cash Flow Presentation

Lecture 48 - Models of Cash Management- Certainty Model by Baumol

Lecture 49 - Certainty Model by Baumol Continued

Lecture 50 - Uncertainty Model by Miller and Orr

Lecture 51 - Miller and Orr (Continued...) and Cash Management Techniques

Lecture 52 - Measures of Liquidity

Lecture 53 - Window Dressing and Management of Current Liabilities

Lecture 54 - Management of Accounts Payable

Lecture 55 - Cost of Stretching Accounts Payable - I

Lecture 56 - Cost of Stretching Accounts Payable - II

Lecture 57 - Other Accruals and Overtrading

Lecture 58 - Bank Finance - Introduction

Lecture 59 - Recommendations of Tondon and Chore Committees

Lecture 60 - Deciding a Suitable Mix

NPTEL : NOC:Innovation, Business Models and Entrepreneurship (Management)

Co-ordinators : Prof. Vinay Sharma, Prof. Rajat Agrawal

Lecture 1 - Analizing the Current Bussiness Scenario

Lecture 2 - Innovation and Creativity - An Introduction

Lecture 3 - Innovation in Current Environment

Lecture 4 - Types of Innovation

Lecture 5 - School of Innovation

Lecture 6 - Challenges of Innovation

Lecture 7 - Steps of Innovation Management

Lecture 8 - Idea Management System

Lecture 9 - Divergent v/s Convergent Thinking

Lecture 10 - Design Thinking and Entrepreneurship

Lecture 11 - Experimentation in Innovation Management

Lecture 12 - Idea Championship

Lecture 13 - Participation for Innovation

Lecture 14 - Co-creation for Innovation

Lecture 15 - Prototyping to Incubation

Lecture 16 - What is Business Model ?

Lecture 17 - Who is an Entrepreneur ?

Lecture 18 - Social Entrepreneurship ?

Lecture 19 - Blue Ocean Strategy - I

Lecture 20 - Blue Ocean Strategy - II

Lecture 21 - Marketing of Innovation

Lecture 22 - Technology Innovation Process

Lecture 23 - Technological Innovation Management Planning

Lecture 24 - Technological Innovation Management Strategies

Lecture 25 - Technology Forecasting

Lecture 26 - Sustainability Innovation and Entrepreneurship

Lecture 27 - Innovation Sustainable Conditions

Lecture 28 - Innovation: Context and Patterns

Lecture 29 - SMEâ€™S strategic involvement in sustainable development

Lecture 30 - Insight and Entrepreneurship

Lecture 31 - Management of Innovation, creation of IPR - I

Lecture 32 - Management of Innovation, creation of IPR - II

Lecture 33 - Types of IPR

Lecture 34 - Patents and Copyrights

Lecture 35 - Patents in India

Lecture 36 - Business Models and value proposition

Lecture 37 - Business Model Failure: Reasons and Remedies

Lecture 38 - Incubators: Business Vs Technology

Lecture 39 - Managing Investors for Innovation

Lecture 40 - Future markets and Innovation needs for India

NPTEL : NOC:Business Analytics and Data Mining Modeling Using R - Part II (Management)

Co-ordinators : Dr. Gaurav Dixit

Lecture 1 - Association Rules - Part I

Lecture 2 - Association Rules - Part II

Lecture 3 - Association Rules - Part III

Lecture 4 - Association Rules - Part IV

Lecture 5 - Cluster Analysis - Part I

Lecture 6 - Cluster Analysis - Part II

Lecture 7 - Cluster Analysis - Part III

Lecture 8 - Cluster Analysis - Part IV

Lecture 9 - Cluster Analysis - Part V

Lecture 10 - Cluster Analysis - Part VI

Lecture 11 - Cluster Analysis - Part VII

Lecture 12 - Understanding Time Series - Part I

Lecture 13 - Understanding Time Series - Part II

Lecture 14 - Understanding Time Series - Part III

Lecture 15 - Understanding Time Series - Part IV

Lecture 16 - Regression Based Forecasting Methods - Part I

Lecture 17 - Regression Based Forecasting Methods - Part II

Lecture 18 - Regression Based Forecasting Methods - Part III

Lecture 19 - Time Series Forecasting - Smoothing Methods - Part I

Lecture 20 - Time Series Forecasting - Smoothing Methods - Part II

NPTEL : NOC:Global Marketing Management (Management)

Co-ordinators : Prof. Z. Rahman

Lecture 1 - Globalization - Part 1

Lecture 2 - Globalization - Part 2

Lecture 3 - Global Economic Environment - Part 1

Lecture 4 - Global Economic Environment - Part 2

Lecture 5 - Global Economic Environment - Part 3

Lecture 6 - Financial Environment - Part 1

Lecture 7 - Financial Environment - Part 2

Lecture 8 - Cultural Issues and Buying Behavior - Part 1

Lecture 9 - Cultural Issues and Buying Behavior - Part 2

Lecture 10 - Political/ Legal Environment - Part 1

Lecture 11 - Political/ Legal Environment - Part 2

Lecture 12 - Global Marketing Research - Part 1

Lecture 13 - Global Marketing Research - Part 2

Lecture 14 - Global Segmentation and Positioning - Part 1

Lecture 15 - Global Segmentation and Positioning - Part 2

Lecture 16 - Global Marketing Strategies - Part 1

Lecture 17 - Global Marketing Strategies - Part 2

Lecture 18 - Global Market Entry Modes - Part 1

Lecture 19 - Global Market Entry Modes - Part 2

Lecture 20 - Global Product Development - Part 1

Lecture 21 - Global Product Development - Part 2

Lecture 22 - Marketing Products and Services - Part 1

Lecture 23 - Marketing Products and Services - Part 2

Lecture 24 - Global Pricing - Part 1

Lecture 25 - Global Pricing - Part 2

Lecture 26 - Communicating with the World Consumer - Part 1

Lecture 27 - Communicating with the World Consumer - Part 2

Lecture 28 - Sales Management - Part 1

Lecture 29 - Sales Management - Part 2

Lecture 30 - Global Logistics and Distribution - Part 1

Lecture 31 - Global Logistics and Distribution - Part 2

Lecture 32 - Export/Import Management - Part 1

Lecture 33 - Export/Import Management - Part 2

Lecture 34 - Export/Import Management - Part 3

Lecture 35 - Planning, Organization and Control of Global Marketing Operations - Part 1

Lecture 36 - Planning, Organization and Control of Global Marketing Operations - Part 2

Lecture 37 - Marketing in Emerging Markets - Part 1

Lecture 38 - Marketing in Emerging Markets - Part 2

Lecture 39 - Global Marketing and the Internet - Part 1

Lecture 40 - Global Marketing and the Internet - Part 2

NPTEL : NOC:Marketing Research and Analysis-II (Management)

Co-ordinators : Dr. Jogendra Kumar Nayak

Lecture 1 - Introduction to Marketing Research - I

Lecture 2 - Introduction to Marketing Research - II

Lecture 3 - Marketing Research Process - I

Lecture 4 - Marketing Research Process - II

Lecture 5 - Marketing Research Process - III

Lecture 6 - Marketing Research Process - IV

Lecture 7 - Hypothesis and Research Question - I (with real life example)

Lecture 8 - Hypothesis and Research Question - II (with real life example)

Lecture 9 - Hypothesis Development - I (with a real life case)

Lecture 10 - Hypothesis Development - II (with a real life case)

Lecture 11 - Research Design - I

Lecture 12 - Research Design - II

Lecture 13 - Research Design - III

Lecture 14 - Research Design - IV

Lecture 15 - Research Design - V

Lecture 16 - Research Design - VI

Lecture 17 - Data Purification and handling - I

Lecture 18 - Data Purification and handling - II

Lecture 19 - Data Purification and handling - III

Lecture 20 - Data Purification and handling - IV

Lecture 21 - Power of a Test and Sample Size Calculation (Problem Solving)

Lecture 22 - Sample Size Calculation and Hypothesis Testing (Problem Solving)

Lecture 23 - Hypothesis Testing - I (Problem Solving)

Lecture 24 - Hypothesis Testing - II (Problem Solving)

Lecture 25 - Non-Parametric Test - I

Lecture 26 - Non-Parametric Test - II

Lecture 27 - Non-Parametric Test - III

Lecture 28 - Non-Parametric Test - IV

Lecture 29 - Non-Parametric Test - V

Lecture 30 - Non-Parametric Test - VI

Lecture 31 - Non-Parametric Test - VII

Lecture 32 - Non-Parametric Test - VIII

Lecture 33 - Introduction to ANOVA and ANCOVA

Lecture 34 - Conducting one-way ANOVA

Lecture 35 - Solving n-way ANOVA - I

Lecture 36 - Solving n-way ANOVA - II

Lecture 37 - N-way ANOVA and MANOVA in SPSS

Lecture 38 - MANOVA and ANCOVA in SPSS

Lecture 39 - ANCOVA in SPSS

Lecture 40 - ANCOVA and MANCOVA in SPSS

Lecture 41 - Covariance and Correlation

Lecture 42 - Correlation in SPSS

Lecture 43 - Partial and Multiple Correlation

Lecture 44 - Simple Regression Analysis in SPSS

Lecture 45 - Multiple Regression Analysis in SPSS - I

Lecture 46 - Multiple Regression Analysis in SPSS - II

Lecture 47 - Stepwise Regression and Hierarchical Regression

Lecture 48 - Hierarchical Regression and Dummy Variable Regression

Lecture 49 - Logistic Regression Analysis

Lecture 50 - Discriminant Analysis in SPSS

Lecture 51 - Factor Analysis in SPSS - I

Lecture 52 - Factor Analysis in SPSS - II

Lecture 53 - Exploratory Factor Analysis in SPSS

Lecture 54 - Confirmatory Factor Analysis in SPSS - I

Lecture 55 - Confirmatory Factor Analysis in SPSS - II

Lecture 56 - Confirmatory Factor Analysis in SPSS - III

Lecture 57 - Structural Equation Modelling in SPSS

Lecture 58 - Mediation and Moderation Analysis in SPSS

Lecture 59 - Cluster Analysis in Practice - I

Lecture 60 - Cluster Analysis in Practice - II

NPTEL : NOC:Business Statistics (Management)

Co-ordinators : Prof. Mukesh Kumar Barua

Lecture 1 - Introduction to Statistics and Data

Lecture 2 - Types of Statistics, types of Data and sources of Data, Population vs Sample

Lecture 3 - Scales of Measurement

Lecture 4 - Data representation techniques - Part 1

Lecture 5 - Data representation techniques - Part 2 and measures of central tendency - Part 1

Lecture 6 - Measures of Central Tendency - Part 2

Lecture 7 - Examples of introduction to data and data representation techniques

Lecture 8 - Measures of Variation

Lecture 9 - Applications of Measures of Central Tendency and Measures of Variation

Lecture 10 - Chapter concepts- Measures of central tendency and measures of variation, Outliers, and shape of a distribution

Lecture 11 - Numerical Descriptive Measures

Lecture 12 - Covariance and Coefficient of Correlation, Introduction to Probability

Lecture 13 - Probability - Part 1

Lecture 14 - Probability - Part 2

Lecture 15 - Probability - Part 3

Lecture 16 - Probability Distributions - Part 1

Lecture 17 - Probability Distributions - Part 2

Lecture 18 - Probability Distributions - Part 3

Lecture 19 - Examples for Standardized Normal Distribution

Lecture 20 - Evaluating Normality, Exponential Probability Distribution

Lecture 21 - Chapter Concepts - Probability Distributions

Lecture 22 - Sampling and Sampling Techniques

Lecture 23 - Sampling Distribution - I

Lecture 24 - Sampling Distribution - II

Lecture 25 - Sampling Distribution - III

Lecture 26 - Method of Estimation

Lecture 27 - Interval Estimation

Lecture 28 - Confidence Interval - I

Lecture 29 - Confidence Interval - II

Lecture 30 - Types of Hypothesis Testing

Lecture 31 - Hypothesis Testing Process - I

Lecture 32 - Hypothesis Testing Process - II

Lecture 33 - Hypothesis Testing Examples

Lecture 34 - Hypothesis Testing of Proportions - I

Lecture 35 - Hypothesis Testing of Proportions - II

Lecture 36 - Hypothesis Testing-One sample Test

Lecture 37 - Hypothesis Testing using Minitab

Lecture 38 - Hypothesis Testing of Proportions using Minitab

Lecture 39 - Hypothesis Testing Two Sample Test - I

Lecture 40 - Hypothesis Testing Two Sample Test - II

Lecture 41 - Hypothesis Testing Two sample Test - III

Lecture 42 - Paired Sample Test

Lecture 43 - Hypothesis Testing of Proportion

Lecture 44 - Example of Hypothesis Testing

Lecture 45 - Design of Experiment

Lecture 46 - Analysis of variance - I

Lecture 47 - Analysis of variance - II

Lecture 48 - Analysis of variance - III

Lecture 49 - Tukey Kramer test

Lecture 50 - Randomized Blocked Design

Lecture 51 - A Factorial Design - I

Lecture 52 - A Factorial Design - II

Lecture 53 - Chi-square test goodness of fit - I

Lecture 54 - Chi-square test goodness of fit - II

Lecture 55 - Chi-square test of independence

Lecture 56 - Simple linear regression - I

Lecture 57 - Simple linear regression - II

Lecture 58 - Assumption of Regression

Lecture 59 - Multiple Regression

Lecture 60 - Example of multiple Regression

NPTEL : NOC:MCDM Techniques Using R (Management)

Co-ordinators : Dr. Gaurav Dixit

Lecture 1 - Introduction to MCDM Techniques - Part I

Lecture 2 - Introduction to MCDM Techniques - Part II

Lecture 3 - Introduction to MCDM Techniques - Part III

Lecture 4 - Analytic Hierarchy Process (AHP) - Part I

Lecture 5 - Analytic Hierarchy Process (AHP) - Part II

Lecture 6 - Analytic Hierarchy Process (AHP) - Part III

Lecture 7 - Analytic Hierarchy Process (AHP) - Part IV

Lecture 8 - ELECTRE - Part I

Lecture 9 - ELECTRE - Part II

Lecture 10 - ELECTRE - Part III

Lecture 11 - ELECTRE - Part IV

Lecture 12 - ELECTRE - Part V

Lecture 13 - Introduction of TOPSIS - Part I

Lecture 14 - TOPSIS - Part II

Lecture 15 - VIKOR - Part I

Lecture 16 - VIKOR - Part II

Lecture 17 - Introduction of Fuzzy Sets

Lecture 18 - Fuzzy AHP - Part I

Lecture 19 - Fuzzy AHP - Part II

Lecture 20 - Sensitivity Analysis

NPTEL : NOC:Manufacturing Strategy (Management)

Co-ordinators : Prof. Rajat Agarwal

Lecture 1 - Output of Manufacturing

Lecture 2 - Operations Systems

Lecture 3 - Operations Strategy

Lecture 4 - Functional Strategy Within Context of a Firm

Lecture 5 - Functional Dominance within Corporate Strategy

Lecture 6 - World Class Manufacturing Organization

Lecture 7 - Ps of Manufacturing Strategy

Lecture 8 - Contribution of Skinner and Hayes and Wheelwright

Lecture 9 - Alternative Paradigm of Manufacturing Strategy

Lecture 10 - Some Generic Manufacturing Strategies - I

Lecture 11 - Developing Manufacturing Strategy

Lecture 12 - Understanding Markets

Lecture 13 - Concept of Order Winner and Qualifiers

Lecture 14 - Basic Characteristics and Specific Dimensions of Order Winners and Qualifiers

Lecture 15 - Some Specific Order Winners and Qualifiers - I

Lecture 16 - Some Specific Order Winners and Qualifiers - II

Lecture 17 - Some Specific Order Winners and Qualifiers - III

Lecture 18 - Some Specific Order Winners and Qualifiers (non operation related criteria)

Lecture 19 - Developing an Operations Strategy: Methodology

Lecture 20 - Developing an Operations Strategy

Lecture 21 - Developing an Operations Strategy: Roth and Miller Classification

Lecture 22 - Enlightened View of Manufacturing

Lecture 23 - Manufacturing Strategy Taxonomy: Some Evidences from China

Lecture 24 - Quality Management and Manufacturing Excellence

Lecture 25 - Total Quality Management and Manufacturing Excellence

Lecture 26 - Deming's Approach to Quality

Lecture 27 - Business Excellence Awards

Lecture 28 - Process Choice

Lecture 29 - Process Choice: 3 Dimensional View

Lecture 30 - Product Profiling

Lecture 31 - Critical Success Factor for World Class Manufacturing

Lecture 32 - Value Added Engineering

Lecture 33 - Total Employee Involvement

Lecture 34 - HR Theories for Operation Strategy

Lecture 35 - Flexible Manufacturing System

Lecture 36 - Concept of Focus

Lecture 37 - Toyota Production System - I

Lecture 38 - Toyota Production System - II

Lecture 39 - World Class Manufacturing and India

Lecture 40 - Achieving World Class Status

NPTEL : NOC:Training of Trainers (Management)

Co-ordinators : Prof. Santosh Rangnekar

Lecture 1 - Introduction to training - 1

Lecture 2 - Introduction to training - 2

Lecture 3 - Introduction to training - 3

Lecture 4 - Introduction to training - 4

Lecture 5 - Training Needs Assessment

Lecture 6 - Methods of Training Needs Assessment - 1

Lecture 7 - Methods of Training Needs Assessment - 2

Lecture 8 - Methods of Training Needs Assessment - 3

Lecture 9 - Trainings Design and Types of Training - 1

Lecture 10 - Trainings Design and Types of Training - 2

Lecture 11 - Trainings Design and Types of Training - 3

Lecture 12 - Trainings Design and Types of Training - 4

Lecture 13 - Design thinking in training

Lecture 14 - Role of Technology - 1

Lecture 15 - Role of Technology - 2

Lecture 16 - Digital Pedagogy in training

Lecture 17 - Introduction to Training Methods - 1

Lecture 18 - Introduction to Training Methods - 2

Lecture 19 - Choosing a Training Method

Lecture 20 - Examples of Training

Lecture 21 - Understanding training groups and its dynamics

Lecture 22 - Training Methods - Case Study - 1

Lecture 23 - Training Methods - Case Study - 2

Lecture 24 - Training Methods - Case Study - 3

Lecture 25 - Training Methods - Case Study - 4

Lecture 26 - Training Methods - Business Game - 1

Lecture 27 - Training Methods - Business Game - 2

Lecture 28 - Training Methods - Business Game - 3

Lecture 29 - Training Methods - Role Play - 1

Lecture 30 - Training Methods - Role Play - 2

Lecture 31 - Training Methods - Role Play - 3

Lecture 32 - Training Methods - Behavior Modelling - 1

Lecture 33 - Training Methods - Behavior Modelling - 2

Lecture 34 - Training Methods - Behavior Modelling - 3

Lecture 35 - Cost benefit Analysis

Lecture 36 - Training Methods - Decision Making - 1

Lecture 37 - Training Methods - Decision Making - 2

Lecture 38 - Training Methods - Decision Making - 3

Lecture 39 - Training Methods - Exercise

Lecture 40 - Introduction to group training methods

Lecture 41 - Training Methods - Brainstorming

Lecture 42 - Training Methods - Group discussion

Lecture 43 - Training methods - Panel Discussion

Lecture 44 - A Research Approach in Training - 1

Lecture 45 - A Research Approach in Training - 2

Lecture 46 - Training evaluation - 1

Lecture 47 - Training evaluation - 2

Lecture 48 - Training response

NPTEL : NOC:Management Accounting (Management)

Co-ordinators : Prof. Anil K. Sharma

Lecture 1 - An Introduction - I

Lecture 2 - An Introduction - II

Lecture 3 - Branches of Accounting and Cost Sheet

Lecture 4 - Statement of Cost- An introduction

Lecture 5 - Fundamentals of Management Accounting - I

Lecture 6 - Fundamentals of Management Accounting - II

Lecture 7 - Cost Sheet - Role and Relevance in Management Decision Making - I

Lecture 8 - Cost Sheet - Role and Relevance in Management Decision Making - II

Lecture 9 - Preparation and Analysis of Cost Sheet - I

Lecture 10 - Preparation and Analysis of Cost Sheet - II

Lecture 11 - Preparation and Analysis of Cost Sheet - III

Lecture 12 - Budget and Budgetary Control - I

Lecture 13 - Budget and Budgetary Control - II

Lecture 14 - Preparation of Budgets

Lecture 15 - Preparation of Master Budget

Lecture 16 - Cash Budget - I

Lecture 17 - Cash Budget - II

Lecture 18 - Cash Budget - III

Lecture 19 - Cash Budget - IV

Lecture 20 - Financial Budget

Lecture 21 - Master Budget - A Mini Case - I

Lecture 22 - Master Budget - A Mini Case - II

Lecture 23 - Master Budget - A Mini Case - III

Lecture 24 - Flexible Budget and Variance Analysis - I

Lecture 25 - Flexible Budget and Variance Analysis - II

Lecture 26 - Flexible Budget and Variance Analysis - III

Lecture 27 - Flexible Budget - A Mini Case - I

Lecture 28 - Flexible Budget - A Mini Case - II

Lecture 29 - Standard Costing and Variance Analysis

Lecture 30 - Pre-Requisites to Standard Costing

Lecture 31 - Variance Analysis

Lecture 32 - Material Variances - I

Lecture 33 - Material Variances - II

Lecture 34 - Material Variances - III

Lecture 35 - Material Variances - IV

Lecture 36 - Material Variances - V

Lecture 37 - Labor Variances - I

Lecture 38 - Labor Variances - II

Lecture 39 - Labor Variances - III

Lecture 40 - Labor Variances - IV

Lecture 41 - Labor Variances - V

Lecture 42 - Overhead Variances

Lecture 43 - Marginal Costing - I

Lecture 44 - Marginal Costing - II

Lecture 45 - Marginal Costing - III

Lecture 46 - Tools of Marginal Costing

Lecture 47 - CVP Analysis

Lecture 48 - Applications of Marginal Costing - I

Lecture 49 - Applications of Marginal Costing - II

Lecture 50 - Applications of Marginal Costing - III

Lecture 51 - Activity Based Costing- An Introduction

Lecture 52 - Cost Management System and Activity Based Costing - I

Lecture 53 - Cost Management System and Activity Based Costing - II

Lecture 54 - Designing of ABC System

Lecture 55 - Applications of ABC - I

Lecture 56 - Applications of ABC - II

Lecture 57 - Management Control System and Responsibility Accounting - I

Lecture 58 - Management Control System and Responsibility Accounting - II

Lecture 59 - Implementation of Management Control Systems - I

Lecture 60 - Implementation of Management Control Systems - II

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

Co-ordinators : Prof. J. P. Singh

Lecture 1 - Overview of Derivatives

Lecture 2 - Forwards: Introduction and Pricing

Lecture 3 - Forwards: Pricing and Arbitrage

Lecture 4 - Forwards Pricing: Consumption Assets

Lecture 5 - Futures: Introduction and Salient Features

Lecture 6 - Futures: Margining and MTM

Lecture 7 - Forwards and Futures Prices, Exposure

Lecture 8 - Exposure and Risk

Lecture 9 - Basics of Futures Hedging

Lecture 10 - Futures Hedging: Nuances

Lecture 11 - Futures Hedging: No of Contracts

Lecture 12 - Futures Hedging: Examples

Lecture 13 - Mean Variance Portfolio Theory

Lecture 14 - Capital Asset Pricing Model

Lecture 15 - Systematic and Unsystematic Risk

Lecture 16 - Index Futures: Basic Theory

Lecture 17 - Hedging with Index Futures

Lecture 18 - Index Futures: Arbitrage, Examples

Lecture 19 - Spot Interest Rates and YTM

Lecture 20 - YTM, Other Yield Measures

Lecture 21 - Interest Rate Risk

Lecture 22 - Duration and Price Sensitivities, Immunization

Lecture 23 - Interest Rate Futures: Salient Features

Lecture 24 - T-Bill Futures: Applications

Lecture 25 - T-Bill Futures: Hedging

Lecture 26 - T-Bill Futures: Arbitrage; Eurodollar Futures

Lecture 27 - Tailing the Hedge; Clean and Dirty Price

Lecture 28 - US T-Bond Futures: Salient Features, Pricing

Lecture 29 - US T-Bond Futures: Conversion Factor; Options

Lecture 30 - Options: Basic Theory

Lecture 31 - Options: Put-Call Parity

Lecture 32 - Options: Price Bounds, American Options

Lecture 33 - American Options: Properties

Lecture 34 - Basic Option Trading Strategies

Lecture 35 - Option Strategies (Continued...)

Lecture 36 - Option Spread Strategies

Lecture 37 - Stochastic Processes: Random Walk

Lecture 38 - Stochastic Processes: Brownian Motion

Lecture 39 - Stochastic Processes: Diffusion Equation

Lecture 40 - Stochastic Processes: Central Limit Theorem, Stochastic Calculus

Lecture 41 - Stochastic Calculus: Itoâ€™s Equation

Lecture 42 - Stock Price Distributions; Fokker Planck Equation and Solution

Lecture 43 - Lognormal Distribution

Lecture 44 - Option Pricing: Binomial Model, Risk Neutral Valuation

Lecture 45 - Option Pricing: Binomial Model Contd

Lecture 46 - Girsanov Theorem; Black Scholes Model

Lecture 47 - Black Scholes Model (Continued...)

Lecture 48 - Features of BS Model

Lecture 49 - Solution of BS PDE; Option Greeks

Lecture 50 - Option Greeks: Definition and Properties

Lecture 51 - Option Greeks: Further Properties

Lecture 52 - Option Greeks: Further Properties, Role in Trading Strategies

Lecture 53 - Option Greeks: Further Properties, Role in Trading Strategies (Continued...)

Lecture 54 - Option Greeks: Role in Trading Strategies (Continued...); Swaps

Lecture 55 - Forward Rate Agreements; Swaps

Lecture 56 - Swaps: Theory of Swaps

Lecture 57 - Swaps: Valuation of Interest Rate Swaps

Lecture 58 - Currency Swaps; Value at Risk

Lecture 59 - Value at Risk: Definition and Computation

Lecture 60 - Value at Risk: Computation for Bond and Derivative Portfolios

NPTEL : NOC:Business Analytics and Text Mining Modeling Using Python (Management)

Co-ordinators : Dr. Gaurav Dixit

Lecture 1 - Introduction - Part I

Lecture 2 - Introduction - Part II

Lecture 3 - Introduction - Part III

Lecture 4 - Python for Analytics - Part I

Lecture 5 - Python for Analytics - Part II

Lecture 6 - Python for Analytics - Part III

Lecture 7 - Python for Analytics - Part IV

Lecture 8 - Python for Analytics - Part V

Lecture 9 - Built in Capabilities of Python - Part I

Lecture 10 - Built in Capabilities of Python - Part II

Lecture 11 - Built in Capabilities of Python - Part III

Lecture 12 - Built in Capabilities of Python - Part IV

Lecture 13 - Built in Capabilities of Python - Part V

Lecture 14 - Built in Capabilities of Python - Part VI

Lecture 15 - Built in Capabilities of Python - Part VII

Lecture 16 - Built in Capabilities of Python - Part VIII

Lecture 17 - Built in Capabilities of Python - Part IX

Lecture 18 - Built in Capabilities of Python - Part X

Lecture 19 - Numerical Python - Part I

Lecture 20 - Numerical Python - Part II

Lecture 21 - Numerical Python - Part III

Lecture 22 - Numerical Python - Part IV

Lecture 23 - Numerical Python - Part V

Lecture 24 - Numerical Python - Part VI

Lecture 25 - Numerical Python - Part VII

Lecture 26 - Database Using Python Pandas - Part I

Lecture 27 - Database Using Python Pandas - Part II

Lecture 28 - Database Using Python Pandas - Part III

Lecture 29 - Database Using Python Pandas - Part IV

Lecture 30 - Python Working with Data - Part I

Lecture 31 - Python Working with Data - Part II

Lecture 32 - Python Working with Data - Part III

Lecture 33 - String and Text Processing - Part I

Lecture 34 - String and Text Processing - Part II

Lecture 35 - Data Visualization Using Python

Lecture 36 - Text Collection and Transformation - Part I

Lecture 37 - Text Collection and Transformation - Part II

Lecture 38 - Text Mining and Modeling - Part I

Lecture 39 - Text Mining and Modeling - Part II

Lecture 40 - Text Mining and Modeling - Part III

NPTEL : NOC:Toyota Production System (Management)

Co-ordinators : Prof. Rajat Agarwal

Lecture 1 - Manufacturing Excellence

Lecture 2 - Global Environment

Lecture 3 - Production System

Lecture 4 - Operation Strategy

Lecture 5 - The Heart of the TPS : Eliminating Waste

Lecture 6 - Principles of Toyota Way

Lecture 7 - Culture Behind Toyota Way

Lecture 8 - Toyota Way in Action

Lecture 9 - Long Term Philosophy

Lecture 10 - Create Continuous Flow

Lecture 11 - Pull System

Lecture 12 - Leveling Workload

Lecture 13 - Get Quality Right the First Time

Lecture 14 - Standardization of Task

Lecture 15 - Use of Visual Control

Lecture 16 - Use of Reliable Technology

Lecture 17 - Role of Leaders in Manufacturing Philosophy

Lecture 18 - Developing Exceptional Teams

Lecture 19 - Challenge and Respect Extended Networks

Lecture 20 - See Yourself to Understand the Situation

Lecture 21 - Developing Decisions with Consensus

Lecture 22 - Become a Learning Organization

Lecture 23 - Become a Learning Organization : Continuous Improvement

Lecture 24 - Using Toyota Way for Other Organizations (Service and Technical)

Lecture 25 - Lean Manufacturing

Lecture 26 - Lean Vs Agile Manufacturing

Lecture 27 - Sustainable Manufacturing - I

Lecture 28 - Sustainable Manufacturing - II

Lecture 29 - Flexible Manufacturing System

Lecture 30 - Benchmarking

Lecture 31 - Cultural Issues in Lean

Lecture 32 - Overview of Lean Implementation

Lecture 33 - The Significance of Lead Time

Lecture 34 - Techniques to Reduce Lead Time

Lecture 35 - Value Stream Mapping

Lecture 36 - Kanban Approach

Lecture 37 - Kanban Calculation - I

Lecture 38 - Kanban Calculation - II

Lecture 39 - Theory of Constraints

Lecture 40 - Different Business Excellence Models

NPTEL : NOC:Production and Operation Management (Prof. Rajat Agarwal) (Management)

Co-ordinators : Prof. Rajat Agarwal

Lecture 1 - Introduction to Production

Lecture 2 - Global Environment

Lecture 3 - Operations and Productivity

Lecture 4 - Types and Characteristics of Manufacturing Systems

Lecture 5 - Types and Characteristics of Services Systems

Lecture 6 - Product Design

Lecture 7 - Introduction To Forecasting

Lecture 8 - Time Series Forecasting

Lecture 9 - Time Series Forecasting - Exponential Smoothing - I (Brief)

Lecture 10 - Time Series Forecasting - Exponential Smoothing - II (Classification)

Lecture 11 - Time Series Forecasting - Working Example Of Exponential Smoothing - I

Lecture 12 - Time Series Forecasting - Working Example Of Exponential Smoothing - II

Lecture 13 - Time Series Forecasting - Working Example Of Exponential Smoothing - III

Lecture 14 - Forecasting Errors

Lecture 15 - Causal Or Explanatory Methods

Lecture 16 - Inventory Planning and control

Lecture 17 - Basic Inventory Model

Lecture 18 - Different Variations in Basic EOQ Model

Lecture 19 - Safety Stock and Fixed Time Inventory Model

Lecture 20 - Examples of Safety Stock Calculation

Lecture 21 - Single Period Inventory Model - I (Theory)

Lecture 22 - Single Period Inventory Model - II (Numerical)

Lecture 23 - Inventory Control and Management

Lecture 24 - Material Requirements Planning (MRP)

Lecture 25 - Improvements in the MRP system

Lecture 26 - Lot Sizing in MRP Systems

Lecture 27 - Material Requirements Planning (MRP): Examples - I

Lecture 28 - Material Requirements Planning (MRP): Examples - II

Lecture 29 - Aggregate Sales and Operations Planning - I (Intermediate and Aggregate Planning)

Lecture 30 - Aggregate Sales and Operations Planning - II (Demand and Supply Options)

Lecture 31 - Aggregate planning Techniques - I (Introduction)

Lecture 32 - Aggregate planning Techniques - II (Examples)

Lecture 33 - Aggregate planning Techniques - III (Problems)

Lecture 34 - Production Planning Problems using LP

Lecture 35 - Nature of Quality and Evolution of Quality Management - I (Product Quality Dimensions)

Lecture 36 - Nature of Quality and Evolution of Quality Management - II (Service Quality Dimensions)

Lecture 37 - Modern Quality Management and Total Quality Management

Lecture 38 - Total Quality Management

Lecture 39 - Statistical Concepts in Quality Control - I (Overview of Control Charts)

Lecture 40 - Statistical Concepts in Quality Control - II (p-chart and Examples)

Lecture 41 - Statistical Concepts in Quality Control - III (c-chart and Examples)

Lecture 42 - Statistical Concepts in Quality Control - IV (Run Test and Examples)

Lecture 43 - 7 QC Tools

Lecture 44 - Acceptance Sampling

Lecture 45 - Process Capability

Lecture 46 - Six Sigma

Lecture 47 - Some Current Issues In Quality Management

Lecture 48 - Facility Layout - I (Introduction)

Lecture 49 - Facility Layout - II (Group Technology and other layouts)

Lecture 50 - Facility Layout - III (Layout design and Precedence diagram)

Lecture 51 - Introduction to Project Management

Lecture 52 - PERT and CPM

Lecture 53 - PERT and Crashing

Lecture 54 - Maintenance Management

Lecture 55 - Maintenance Performance Measures and OEE calculations

Lecture 56 - Manufacturing Operations Scheduling - I (Scheduling and Gantt Charts)

Lecture 57 - Manufacturing Operations Scheduling - II (Order Sequencing)

Lecture 58 - JIT and Lean Operations

Lecture 59 - Work Method Analysis, Work Measurement and Learning Curve

Lecture 60 - Some Latest and Future Issues

NPTEL : NOC:Services Marketing: Integrating People, Technology, Strategy (Management)

Co-ordinators : Prof. Z. Rahman

Lecture 1 - New Perspectives on Marketing in the Service Economy - Part 1

Lecture 2 - New Perspectives on Marketing in the Service Economy - Part 2

Lecture 3 - New Perspectives on Marketing in the Service Economy - Part 3

Lecture 4 - Consumer Behavior in the Service Context - Part 1

Lecture 5 - Consumer Behavior in the Service Context - Part 2

Lecture 6 - Consumer Behavior in the Service Context - Part 3

Lecture 7 - Positioning Services in Competitive Markets - Part 1

Lecture 8 - Positioning Services in Competitive Markets - Part 2

Lecture 9 - Developing Service Products - Part 1

Lecture 10 - Developing Service Products - Part 2

Lecture 11 - Developing Service Products - Part 3

Lecture 12 - Distributing Services through Physical and Electronic Channels - Part 1

Lecture 13 - Distributing Services through Physical and Electronic Channels - Part 2

Lecture 14 - Setting Prices and Implementing Revenue Management - Part 1

Lecture 15 - Setting Prices and Implementing Revenue Management - Part 2

Lecture 16 - Setting Prices and Implementing Revenue Management - Part 3

Lecture 17 - Promoting Services and Educating Customers - Part 1

Lecture 18 - Promoting Services and Educating Customers - Part 2

Lecture 19 - Promoting Services and Educating Customers - Part 3

Lecture 20 - Designing and Managing Service Processes - Part 1

Lecture 21 - Designing and Managing Service Processes - Part 2

Lecture 22 - Balancing Demand and Productive Capacity - Part 1

Lecture 23 - Balancing Demand and Productive Capacity - Part 2

Lecture 24 - Balancing Demand and Productive Capacity - Part 3

Lecture 25 - Crafting Service Environment - Part 1

Lecture 26 - Crafting Service Environment - Part 2

Lecture 27 - Managing People for Service Advantage - Part 1

Lecture 28 - Managing People for Service Advantage - Part 2

Lecture 29 - Managing Relationships and Building Loyalty - Part 3

Lecture 30 - Managing Relationships and Building Loyalty - Part 1

Lecture 31 - Managing Relationships and Building Loyalty - Part 2

Lecture 32 - Managing Relationships and Building Loyalty - Part 3

Lecture 33 - Complaint Handling and Service Recovery - Part 1

Lecture 34 - Complaint Handling and Service Recovery - Part 2

Lecture 35 - Complaint Handling and Service Recovery - Part 3

Lecture 36 - Improving Service Quality and Productivity - Part 1

Lecture 37 - Improving Service Quality and Productivity - Part 2

Lecture 38 - Improving Service Quality and Productivity - Part 3

Lecture 39 - Striving for Service Leadership and Creating the Seamless Service Firms - Part 1

Lecture 40 - Striving for Service Leadership and Creating the Seamless Service Firms - Part 2

Lecture 41 - Listening Customers Through Research - Part 1

Lecture 42 - Listening Customers Through Research - Part 2

Lecture 43 - Customer-Focused Organization: Structure, Resources and Service Process - Part 1

Lecture 44 - Customer-Focused Organization: Structure, Resources and Service Process - Part 2

Lecture 45 - Customer-defined service standards - Part 1

Lecture 46 - Customer-defined service standards - Part 2

Lecture 47 - Service Innovation and Design - Part 1

Lecture 48 - Service Innovation and Design - Part 2

Lecture 49 - Service Innovation and Design - Part 3

Lecture 50 - Management of public and private nonprofit service organizations - Part 1

Lecture 51 - Management of public and private nonprofit service organizations - Part 2

Lecture 52 - The Financial and Economic Impact of Service - Part 1

Lecture 53 - The Financial and Economic Impact of Service - Part 2

Lecture 54 - The Financial and Economic Impact of Service - Part 3

Lecture 55 - Globalization of Services: Service Management in the International arena

Lecture 56 - Technology and its Impact on Service and their Management - Part 1

Lecture 57 - Technology and its Impact on Service and their Management - Part 2

Lecture 58 - Technology and its Impact on Service and their Management - Part 3

Lecture 59 - Transforming a Manufacturing Firm into a Service Business - Part 1

Lecture 60 - Transforming a Manufacturing Firm into a Service Business - Part 2

NPTEL : NOC:Production and Operation Management (Prof. Santosh Rangnekar) (Management)

Co-ordinators : Prof. Santosh Rangnekar

Lecture 1 - Relational Development and Maintenance - I

Lecture 2 - Relational Development and Maintenance - II

Lecture 3 - Relational Development and Maintenance - III

Lecture 4 - Relational Development and Maintenance - IV

Lecture 5 - Fundamental Interpersonal Relationship Orientation - Behavior - I

Lecture 6 - Fundamental Interpersonal Relationship Orientation - Behavior - II

Lecture 7 - Forgiveness - I

Lecture 8 - Forgiveness - II

Lecture 9 - Happiness at Workplace - I

Lecture 10 - Happiness at Workplace - II

Lecture 11 - Trust - I

Lecture 12 - Trust - II

Lecture 13 - Employee Recognition - I

Lecture 14 - Employee Recognition - II

Lecture 15 - Psychological Ownership - I

Lecture 16 - Psychological Ownership - II

Lecture 17 - Managerial Effectiveness - I

Lecture 18 - Managerial Effectiveness - II

Lecture 19 - Managerial Effectiveness - III

Lecture 20 - Servant Leadership

Lecture 21 - Moods and Emotions - I

Lecture 22 - Moods and Emotions - II

Lecture 23 - Moods and Emotions - III

Lecture 24 - Optimism - I

Lecture 25 - Optimism - II

Lecture 26 - Career Engagement - I

Lecture 27 - Career Engagement - II

Lecture 28 - Adaptability - I

Lecture 29 - Adaptability - II

Lecture 30 - Spiritual Intelligence - I

Lecture 31 - Spiritual Intelligence - II

Lecture 32 - Spiritual Intelligence - III

Lecture 33 - Insult and Interpersonal Dynamics

Lecture 34 - Work motivation - I

Lecture 35 - Work motivation - II

Lecture 36 - Employee Involvement

Lecture 37 - Humour at Workplace

Lecture 38 - Preparedness and performance

Lecture 39 - Maturity at Workplace

Lecture 40 - Hope

Lecture 41 - Ego Defense Mechanism and Group Dynamics

Lecture 42 - Dyadic Relationship at Workplace

Lecture 43 - Emotional Negotiation - I

Lecture 44 - Emotional Negotiation - II

Lecture 45 - Anger, Anxiety and Depression - I

Lecture 46 - Anger, Anxiety and Depression - II

Lecture 47 - Expectations

Lecture 48 - Thinking Process

Lecture 49 - Managerial Flexibility

Lecture 50 - Reinstating Relationships

Lecture 51 - Buddhist approach to MSID - I

Lecture 52 - Buddhist approach to MSID - II

Lecture 53 - Panchatantra and Interpersonal Dynamics

Lecture 54 - Emotion, Nutrition and Brain

Lecture 55 - Bhagwat Gita and Interpersonal Dynamics

Lecture 56 - Flexibility, Quality of Life and Work family Enrichment - I

Lecture 57 - Flexibility, Quality of Life and Work family Enrichment - II

Lecture 58 - Employee Loyalty - I

Lecture 59 - Employee Loyalty - II

Lecture 60 - Chanakya and Interpersonal Dynamics

NPTEL : NOC:Financial Management for Managers (Management)

Co-ordinators : Prof. Anil K. Sharma

Lecture 1 - Fundamentals of Financial Management - Part I

Lecture 2 - Fundamentals of Financial Management - Part II

Lecture 3 - Fundamentals of Financial Management - Part III

Lecture 4 - Fundamentals of Financial Management - Part IV

Lecture 5 - Fundamentals of Financial Management - Part V

Lecture 6 - Financial Planning and Forecasting - Part I

Lecture 7 - Financial Planning and Forecasting - Part II

Lecture 8 - Financial Planning and Forecasting - Part III

Lecture 9 - Financial Planning and Forecasting - Part IV

Lecture 10 - Time Value of Money - Part I

Lecture 11 - Time Value of Money - Part II

Lecture 12 - Time Value of Money - Part III

Lecture 13 - Time Value of Money - Part IV

Lecture 14 - Time Value of Money - Part V

Lecture 15 - Time Value of Money - Part VI

Lecture 16 - Time Value of Money - Part VII

Lecture 17 - Capital Budgeting - Part I

Lecture 18 - Capital Budgeting - Part II

Lecture 19 - Capital Budgeting - Part III

Lecture 20 - Capital Budgeting - Part IV

Lecture 21 - Capital Budgeting - Part V

Lecture 22 - Capital Budgeting - Part VI

Lecture 23 - Capital Budgeting - Part VII

Lecture 24 - Capital Budgeting - Part VIII

Lecture 25 - Capital Budgeting - Part IX

Lecture 26 - Capital Budgeting - Part X

Lecture 27 - Capital Budgeting - Part XI

Lecture 28 - Capital Budgeting - Part XII

Lecture 29 - Estimation of Project Cash Flows - Part I

Lecture 30 - Estimation of Project Cash Flows - Part II

Lecture 31 - Estimation of Project Cash Flows - Part III

Lecture 32 - Estimation of Project Cash Flows - Part IV

Lecture 33 - Estimation of Project Cash Flows - Part V

Lecture 34 - Estimation of Project Cash Flows - Part VI

Lecture 35 - Estimation of Project Cash Flows - Part VII

Lecture 36 - Estimation of Project Cash Flows - Part VIII

Lecture 37 - Estimation of Project Cash Flows - Part IX

Lecture 38 - Estimation of Project Cash Flows - Part X

Lecture 39 - Estimation of Project Cash Flows - Part XI

Lecture 40 - Risk Analysis in Capital Budgeting - Part I

Lecture 41 - Risk Analysis in Capital Budgeting - Part II

Lecture 42 - Risk Analysis in Capital Budgeting - Part III

Lecture 43 - Risk Analysis in Capital Budgeting - Part IV

Lecture 44 - Risk Analysis in Capital Budgeting - Part V

Lecture 45 - Risk Analysis in Capital Budgeting - Part VI

Lecture 46 - Risk Analysis in Capital Budgeting - Part VII

Lecture 47 - Cost of Capital - Part I

Lecture 48 - Cost of Capital - Part II

Lecture 49 - Cost of Capital - Part III

Lecture 50 - Cost of Capital - Part IV

Lecture 51 - Cost of Capital - Part V

Lecture 52 - Cost of Capital - Part VI

Lecture 53 - Cost of Capital - Part VII

Lecture 54 - Capital Structure - Part I

Lecture 55 - Capital Structure - Part II

Lecture 56 - Capital Structure - Part III

Lecture 57 - Capital Structure - Part IV

Lecture 58 - Capital Structure - Part V

Lecture 59 - Dividend Decisions - Part I

Lecture 60 - Dividend Decisions - Part II

NPTEL : NOC:International Business (Management)

Co-ordinators : Dr. Jogendra Kumar Nayak

Lecture 1 - Introduction to International Business

Lecture 2 - Importance, Nature and Scope

Lecture 3 - Modes of Entry - I

Lecture 4 - Modes of Entry - II

Lecture 5 - Challenges and Approaches, EPRG Framework

Lecture 6 - New Economic Policy, LPG Framework

Lecture 7 - Patterns of International Trade, Trade Theories, Export-Import

Lecture 8 - International Trade Theories - I

Lecture 9 - International Trade Theories - II

Lecture 10 - Leonteiff's Paradox, PLC Theory, National Competitive Advantage and Factor Mobility Theory

Lecture 11 - Trade and Factor Mobility, Bangladesh Textile Case

Lecture 12 - Multiplier Effect, Types and its Characteristics

Lecture 13 - Multiplier Effect with Numericals

Lecture 14 - Commercial/Trade Policy, Business Cycle, Tariff Barriers, Subsidies

Lecture 15 - Non-Tariff Barriers, India's Foreign Trade Policy, Make in India, Trade Protectionism

Lecture 16 - International Business Environment, PESTEL Analysis, Culture and Business

Lecture 17 - Language, Religion, Behavioural Practices, Communication

Lecture 18 - Political Environment, Beliefs, Types of Democracy

Lecture 19 - Political Systems, Beliefs, Risks

Lecture 20 - Legal Environment, Legal Protection, Legal Systems, IPR

Lecture 21 - Economic Factors, Economic Environment

Lecture 22 - Components of an Economy, Inflation, Unemployment, Debt

Lecture 23 - Income Distribution, Poverty, Productivity

Lecture 24 - BOP, Components, Economic Freedom, Economic Transitions

Lecture 25 - Technology and Its Impact, IT, Technology Transfer

Lecture 26 - Hofstede's Cultural Dimensions

Lecture 27 - BOP, Balance of Trade

Lecture 28 - BOP, Capital Account, Financial Account, Numericals, Reserve Account, SDR

Lecture 29 - Foreign Exchange, Foreign Exchange Market, Features, Participants

Lecture 30 - Functions of Foreign Exchange Market, Interest Rate, Relative Inflation Rate

Lecture 31 - Factors Affecting Exchange Rate, Current Account Deficit, Government Debt, Exchange Rate

Lecture 32 - Exchange Rate Systems, Currency Convertibility, Types

Lecture 33 - Currency Convertibility, Theories of Exchange Rate, Purchasing Power Parity

Lecture 34 - PPP Theory, Interest Rate Parity Theory, Fischer Effect, Numericals

Lecture 35 - Foreign Exchange Exposure, Type Of Exposure

Lecture 36 - Exposure Management Theory, Hedging, FERA and FEMA, RBI and its Power

Lecture 37 - Financial Market, Importance and its Function, Financial Intermediaries, Money Market

Lecture 38 - International Money Market, Euro Credit, Capital Market, Features, Component, ADR and GDR

Lecture 39 - Trade Promotion, Foreign Trade Regulations in India, Exporting, Stages, Difficulties

Lecture 40 - Export-Import Plan, Foreign Trade Promotion Measures, Schemes, Trade Regulations

Lecture 41 - Trade Promotions, Institution Involved in Export Finance, Foreign Trade Organisations

Lecture 42 - Foreign Trade Organizations, PNB Scam

Lecture 43 - Bretton Woods Agreement, IMF, Its Role and Function

Lecture 44 - World Bank

Lecture 45 - WTO, GATT, Origin and Functions, MFN Principles, Agreements

Lecture 46 - Uruguay Round Agreement on Agriculture, GATS

Lecture 47 - TRIMS, TRIPS, Patents, Copyrights

Lecture 48 - Multifiber Agreement, Agreement on Textiles and Clothing, UNCTAD, GSP, GSTP

Lecture 49 - Regional Economic Integration

Lecture 50 - Regionalism, Multilateralism, NAFTA, EU, EURO

Lecture 51 - International Marketing, Segmentation, Positioning

Lecture 52 - Product Strategies, Product Adaptations, Pricing, Communication, Logistics

Lecture 53 - Global Firms Success Strategies

Lecture 54 - Marketing Orientations, Market Research

Lecture 55 - Estimating Market Demand, Pitfalls in Research

Lecture 56 - Survey Methods For International Research

Lecture 57 - Supply Chain Management, Global Production and Distribution, Manufacturing Strategy

Lecture 58 - Global Sourcing, Distribution System, Role Of Interest

Lecture 59 - International HRM

Lecture 60 - Recruitment and Training in International HRM

NPTEL : NOC:Path Integral Methods in Physics and Finance (Management)

Co-ordinators : Prof. J. P. Singh

Lecture 1 - Setting The Scene

Lecture 2 - Introduction to the Path Integral

Lecture 3 - Probability Fundamentals, Generating Functions

Lecture 4 - Generating Functions, Gaussian Distribution

Lecture 5 - Gaussian Distribution, Gaussian Integration

Lecture 6 - Gaussian Integration, Central Limit Theorem

Lecture 7 - Elementary Theory of Stochastic Processes

Lecture 8 - Evolutionary Equations of Stochastic Processes

Lecture 9 - Brownian Motion

Lecture 10 - Diffusion Equation

Lecture 11 - Diffusion Equation Path Integral - 1

Lecture 12 - Diffusion Equation Path Integral - 2, Autocorrelators

Lecture 13 - Schrodinger Equation Path Integral, Langevin Equation

Lecture 14 - Langevin- Equation

Lecture 15 - Statistical Formalism of Path Integral

Lecture 16 - Langevin Equation Path Integral - 1

Lecture 17 - Langevin Equation Path Integral - 2

Lecture 18 - Langevin and Fokker Planck Equation; CLT Example

Lecture 19 - Basic Machinery of Quantum Mechanics

Lecture 20 - Quantum Mechanical Path Integral

Lecture 21 - Harmonic Oscillator Path Integral

Lecture 22 - Free Particle Path Integral

Lecture 23 - Equivalence of Schrodinger and Path Integral Formalisms, Matrix Elements of Operators

Lecture 24 - Ground State Expectation Values

Lecture 25 - Vacuum Persistence Amplitude

Lecture 26 - Harmonic Oscillator 2-Point Problem

Lecture 27 - Relativistic Path Integral

Lecture 28 - Interpretation of Path Integral

Lecture 29 - Need For Quantum Field Theory

Lecture 30 - Quantum Field Theory, Introduction

Lecture 31 - Field Theory Basics

Lecture 32 - Field Theory In Zero Dimensions - 1

Lecture 33 - Field Theory In Zero Dimensions - 2

Lecture 34 - Schwinger Dyson Eqs, Convergence Of Integrals

Lecture 35 - Sde, Feynman Diagrams

Lecture 36 - Feynman Diagrams and Sde

Lecture 37 - Effective Action, Renormalization

Lecture 38 - Renormalization In 0-d

Lecture 39 - Field Theory In 1-D - 1

Lecture 40 - Field Theory in 1-d - 2

Lecture 41 - Euclidean Field Theory - 1

Lecture 42 - Euclidean Field Theory - 2

Lecture 43 - Euclidean Field Theory - 3

Lecture 44 - Field Theory In Minkowski Space

Lecture 45 - Propagator In Minkowski Space

Lecture 46 - Propagator Properties In Minkowski Space

Lecture 47 - Interactive Field Theory In Minkowski Space

Lecture 48 - Causality, Sde In Minkowski Space

Lecture 49 - Sde For Field Theory In Minkowski Space

Lecture 50 - Spinor Fields Path Integral

Lecture 51 - Gauge Fields - 1

Lecture 52 - Gauge Fields - 2

Lecture 53 - Ito Equation, Stock Price Modelling

Lecture 54 - Financial Derivatives

Lecture 55 - Properties Of Options

Lecture 56 - Pricing Of Options: Binomial Model - 1

Lecture 57 - Pricing Of Options: Binomial Model - 2

Lecture 58 - Black Scholes Model

Lecture 59 - Path Integral Solution Of Black Scholes Pde

Lecture 60 - Misc Financial Applications Of Path Integrals

NPTEL : NOC:Introduction to Marketing Essentials (Management)

Co-ordinators : Prof. Zillur Rahman

Lecture 1 - Creating Customer Relationships and Value through Marketing - 1

Lecture 2 - Creating Customer Relationships and Value through Marketing - 2

Lecture 3 - The new realities of marketing

Lecture 4 - Developing Successful Marketing and Organizational Strategies - 1

Lecture 5 - Developing Successful Marketing and Organizational Strategies - 2

Lecture 6 - Organizing and managing marketing department

Lecture 7 - Developing marketing strategy

Lecture 8 - Understanding the Marketing Environment, Ethical Behavior, and Social Responsibility - 1

Lecture 9 - Understanding the Marketing Environment, Ethical Behavior, and Social Responsibility - 2

Lecture 10 - Understanding Consumer Behavior - 1

Lecture 11 - Understanding Consumer Behavior - 2

Lecture 12 - Understanding Consumer Behavior - 3

Lecture 13 - Understanding Organizations as Customers - 1

Lecture 14 - Understanding Organizations as Customers - 2

Lecture 15 - Understanding Organizations as Customers - 3

Lecture 16 - Understanding and Reaching Global Consumers and Markets - 1

Lecture 17 - Understanding and Reaching Global Consumers and Markets - 2

Lecture 18 - Understanding and Reaching Global Consumers and Markets - 3

Lecture 19 - Marketing Research: From Customer Insights to Actions - 1

Lecture 20 - Marketing Research: From Customer Insights to Actions - 2

Lecture 21 - Market Segmentation, Targeting, and Positioning - 1

Lecture 22 - Market Segmentation, Targeting, and Positioning - 2

Lecture 23 - Market Segmentation, Targeting, and Positioning - 3

Lecture 24 - Crafting customer value proposition, sustainable competitive advantage and positioning - 1

Lecture 25 - Crafting customer value proposition, sustainable competitive advantage and positioning - 2

Lecture 26 - Developing New Products and Services - 1

Lecture 27 - Developing New Products and Services - 2

Lecture 28 - Developing New Products and Services - 3

Lecture 29 - Developing New Products and Services - 4

Lecture 30 - Developing New Products and Services - 5

Lecture 31 - Developing New Products and Services - 6

Lecture 32 - Developing New Products and Services - 7

Lecture 33 - Managing Successful Products, Services, and Brands - 1

Lecture 34 - Managing Successful Products, Services, and Brands - 2

Lecture 35 - Managing Successful Products, Services, and Brands - 3

Lecture 36 - Managing Successful Products, Services, and Brands - 4

Lecture 37 - Managing Successful Products, Services, and Brands - 5

Lecture 38 - Pricing Products and Services - 1

Lecture 39 - Pricing Products and Services - 2

Lecture 40 - Pricing Products and Services - 3

Lecture 41 - Managing Marketing Channels and Supply Chains - 1

Lecture 42 - Managing Marketing Channels and Supply Chains - 2

Lecture 43 - Retailing and Wholesaling - 1

Lecture 44 - Retailing and Wholesaling - 2

Lecture 45 - Retailing and Wholesaling - 3

Lecture 46 - Integrated Marketing Communications and Direct Marketing - 1

Lecture 47 - Integrated Marketing Communications and Direct Marketing - 2

Lecture 48 - Advertising, Sales Promotion, and Public Relations - 1

Lecture 49 - Advertising, Sales Promotion, and Public Relations - 2

Lecture 50 - Using Social Media to Connect with Consumers - 1

Lecture 51 - Using Social Media to Connect with Consumers - 2

Lecture 52 - Personal Selling and Sales Management - 1

Lecture 53 - Personal Selling and Sales Management - 2

Lecture 54 - Implementing Interactive and Multichannel Marketing - 1

Lecture 55 - Implementing Interactive and Multichannel Marketing - 2

Lecture 56 - Addressing Competition And Driving Growth - 1

Lecture 57 - Addressing Competition And Driving Growth - 2

Lecture 58 - Building Customer Loyalty - 1

Lecture 59 - Building Customer Loyalty - 2

Lecture 60 - Socially Responsible Marketing

NPTEL : NOC:Principles of Management (2021) (Management)

Co-ordinators : Prof. Usha Lenka

Lecture 1 - Introduction to Management - I

Lecture 2 - Introduction to Management - II

Lecture 3 - Introduction to Management - III

Lecture 4 - Introduction to Management - IV

Lecture 5 - Evolution of Management - I

Lecture 6 - Evolution of Management - II

Lecture 7 - Evolution of Management - III

Lecture 8 - Evolution of Management - IV

Lecture 9 - Planning - I

Lecture 10 - Planning - II

Lecture 11 - Planning - III

Lecture 12 - Planning - IV

Lecture 13 - Planning - V

Lecture 14 - Forecasting and Premising - I

Lecture 15 - Forecasting and Premising - II

Lecture 16 - Forecasting and Premising - III

Lecture 17 - Forecasting and Premising - IV

Lecture 18 - Decision Making - I

Lecture 19 - Decision Making - II

Lecture 20 - Decision Making - III

Lecture 21 - Decision Making - IV

Lecture 22 - Decision Making - V

Lecture 23 - Management by Objectives - I

Lecture 24 - Management by Objectives - II

Lecture 25 - Management by Objectives - III

Lecture 26 - Styles of Management - I

Lecture 27 - Styles of Management - II

Lecture 28 - Styles of Management - III

Lecture 29 - Organizing and Directing - I

Lecture 30 - Organizing and Directing - II

Lecture 31 - Organizing and Directing - III

Lecture 32 - Organizing and Directing - IV

Lecture 33 - Organizing and Directing - V

Lecture 34 - Staffing and Coordination - I

Lecture 35 - Staffing and Coordination - II

Lecture 36 - Staffing and Coordination - III

Lecture 37 - Staffing and Coordination - IV

Lecture 38 - Staffing and Coordination - V

Lecture 39 - Staffing and Coordination - VI

Lecture 40 - Staffing and Coordination - VII

Lecture 41 - Staffing and Coordination - VIII

Lecture 42 - Career Development Strategy - I

Lecture 43 - Career Development Strategy - II

Lecture 44 - Career Development Strategy - III

Lecture 45 - Career Development Strategy - IV

Lecture 46 - Career Development Strategy - V

Lecture 47 - Leadership Styles of Managers - I

Lecture 48 - Leadership Styles of Managers - II

Lecture 49 - Leadership Styles of Managers - III

Lecture 50 - Leadership Styles of Managers - IV

Lecture 51 - Organizational Communication - I

Lecture 52 - Organizational Communication - II

Lecture 53 - Organizational Communication - III

Lecture 54 - Organizational Communication - IV

Lecture 55 - Organizational Communication - V

Lecture 56 - Change Management - I

Lecture 57 - Change Management - II

Lecture 58 - Change Management - III

Lecture 59 - Change Management - IV

Lecture 60 - Change Management - V

Lecture 61 - Change Management - VI

Lecture 62 - Change Management - VII

NPTEL : NOC:Organization Theory-Structure and Design (2021) (Management)

Co-ordinators : Prof. Zillur Rahman

Lecture 1 - An Overview - Part 1

Lecture 2 - An Overview - Part 2

Lecture 3 - The Evolution of Organization Theory - Part 1

Lecture 4 - The Evolution of Organization Theory - Part 2

Lecture 5 - Organizational Effectiveness - Part 1

Lecture 6 - Organizational Effectiveness - Part 2

Lecture 7 - Organizational Effectiveness - Part 3

Lecture 8 - Dimensions of Organization Structure - Part 1

Lecture 9 - Dimensions of Organization Structure - Part 2

Lecture 10 - Dimensions of Organization Structure - Part 3

Lecture 11 - Strategy - Part 1

Lecture 12 - Strategy - Part 2

Lecture 13 - Strategy - Part 3

Lecture 14 - Organization Size - Part 1

Lecture 15 - Organization Size - Part 2

Lecture 16 - Technology - Part 1

Lecture 17 - Technology - Part 2

Lecture 18 - Environment - Part 1

Lecture 19 - Environment - Part 2

Lecture 20 - Environment - Part 3

Lecture 21 - Power Control - Part 1

Lecture 22 - Power Control - Part 2

Lecture 23 - Power Control - Part 3

Lecture 24 - Organizational Design Options - Part 1

Lecture 25 - Organizational Design Options - Part 2

Lecture 26 - Organizational Design Options - Part 3

Lecture 27 - Bureaucracy - Part 1

Lecture 28 - Bureaucracy - Part 2

Lecture 29 - Adhocracy - Part 1

Lecture 30 - Adhocracy - Part 2

Lecture 31 - Managing the Environment - Part 1

Lecture 32 - Managing the Environment - Part 2

Lecture 33 - Managing Organizational Change - Part 1

Lecture 34 - Managing Organizational Change - Part 2

Lecture 35 - Managing Organizational Conflict - Part 1

Lecture 36 - Managing Organizational Conflict - Part 2

Lecture 37 - Managing Organizational Culture - Part 1

Lecture 38 - Managing Organizational Culture - Part 2

Lecture 39 - Managing Organizational Evolution - Part 1

Lecture 40 - Managing Organizational Evolution - Part 2

NPTEL : NOC:Talent Acquisition and Management (Management)

Co-ordinators : Prof. S. Rangnekar

Lecture 1 - Introduction to Talent Acquisition and Management - I

Lecture 2 - Introduction to talent Acquisition and Management - II

Lecture 3 - Introduction to Talent Acquisition and Management - III

Lecture 4 - Introduction to Talent Acquisition and Management - IV

Lecture 5 - Nurturing the Leaders of Tomorrow

Lecture 6 - Talent Acquisition

Lecture 7 - Talent Acquisition Practices - Infosys

Lecture 8 - Talent Acquisition Practices - IBM

Lecture 9 - Talent Acquisition and Attracting Talent at Fedex

Lecture 10 - Talent Acquisition and Attracting Talent at Google

Lecture 11 - Introduction of Psychometric Test

Lecture 12 - Six principles of Talent Management

Lecture 13 - Employee Engagement

Lecture 14 - Employer Brand

Lecture 15 - Employee Retention

Lecture 16 - The Zinger Model of Employee Engagement

Lecture 17 - Integrating Competencies into Talent Process

Lecture 18 - Integrated Talent Management

Lecture 19 - Global Talent Management - Drivers-I

Lecture 20 - Global Talent Management - Drivers-II

Lecture 21 - Global Leadership Competencies - I

Lecture 22 - Global Leadership Competencies - II

Lecture 23 - Global Leadership Competencies - III

Lecture 24 - Global Leadership Competencies - IV

Lecture 25 - Talent Analytics

Lecture 26 - Talent Management Challenges - In the near Future

Lecture 27 - Talent Development

Lecture 28 - Talent Enhancement

Lecture 29 - Talent Mobility

Lecture 30 - Rewards Programs in Talent Management

Lecture 31 - Integrated Talent Management Models - I

Lecture 32 - Integrated Talent Management Models - II

Lecture 33 - Rewards Strategy for Talent Management - I

Lecture 34 - Rewards Strategy for Talent Management - II

Lecture 35 - Coaching and Development

Lecture 36 - Talent Development - I

Lecture 37 - Talent Development - II

Lecture 38 - Talent Development - III

Lecture 39 - Meta Analysis and Talent Analytics - I

Lecture 40 - Meta Analysis and Talent Analytics - II

Lecture 41 - Organization Culture - I

Lecture 42 - Organization Culture - II

Lecture 43 - Organization Culture - III

Lecture 44 - Coaching with Compassion - I

Lecture 45 - Coaching with Compassion - II

Lecture 46 - Talent Success Drivers

Lecture 47 - Talent Acquisition Strategy - I

Lecture 48 - Talent Acquisition Strategy - II

Lecture 49 - Talent Management at PepsiCo - I

Lecture 50 - Talent Management at PepsiCo - II

Lecture 51 - Automated Screening - Talent Analytics

Lecture 52 - Big Data - Talent Analytics

Lecture 53 - Management in the New Economy

Lecture 54 - Employment to Consultation

Lecture 55 - Embedding and Sustaining Talent Power

Lecture 56 - Talent Enhancement and Drivers of Success

Lecture 57 - Building Sustainable Talent through Talent Management

Lecture 58 - Talent Powered Organization

Lecture 59 - Critical issues in Talent Management

Lecture 60 - Feeling and Sentiments Analysis

NPTEL : NOC:Econometric Modelling (Management)

Co-ordinators : Prof. Sujata Kar

Lecture 1 - An Overview

Lecture 2 - Formulation of Econometric Modelling

Lecture 3 - Review of Basic Concepts - I

Lecture 4 - Review of Basic Concepts - II

Lecture 5 - Types of Data

Lecture 6 - Simple Regression - I

Lecture 7 - Simple Regression - II

Lecture 8 - Assumptions of Classical Linear Regression

Lecture 9 - Properties of OLS Estimators

Lecture 10 - Hypothesis Testing

Lecture 11 - Multiple Regression - I

Lecture 12 - Multiple Regression - II

Lecture 13 - Multiple Regression - III

Lecture 14 - Problem of Multicollinearity

Lecture 15 - Omitted Variables and Parameter Stability - I

Lecture 16 - Omitted Variables and Parameter Stability - II

Lecture 17 - Problem of Heteroscedasticity - I

Lecture 18 - Problem of Heteroscedasticity - II

Lecture 19 - T- Test

Lecture 20 - Wald Test

Lecture 21 - F-test - I

Lecture 22 - F-Test - II

Lecture 23 - Chow Test

Lecture 24 - Problem of Serial Correlation - I

Lecture 25 - Problem of Serial Correlation - II

Lecture 26 - AR, MA and ARMA Processes - I

Lecture 27 - AR, MA and ARMA Processes - II

Lecture 28 - Modelling Trend and Seasonal Variations - I

Lecture 29 - Modelling Trend and Seasonal Variations - II

Lecture 30 - Spline function and Categorical Variables

Lecture 31 - Linear Probability Model

Lecture 32 - Probit and Logit Models

Lecture 33 - Tobit and Multinomial Logit Models

Lecture 34 - Panel Data Methods

Lecture 35 - Simultaneous Equations System - I

Lecture 36 - Simultaneous Equations System - II

Lecture 37 - Introduction to VARs

Lecture 38 - Stationarity and Unit Root Testing - I

Lecture 39 - Stationarity and Unit Root Testing - II

Lecture 40 - Basics of Cointegeration

NPTEL : NOC:Security Analysis and Portfolio Management (Management)

Co-ordinators : Prof. J. P. Singh

Lecture 1 - Overview and Introduction

Lecture 2 - Introduction (Debt and Equity)

Lecture 3 - Introduction (Derivatives I)

Lecture 4 - Introduction (Derivatives II)

Lecture 5 - Financial Risk

Lecture 6 - Risk and Arbitrage - I

Lecture 7 - Risk and Arbitrage - II

Lecture 8 - Arbitrage Theorems, EMH, Money Markets

Lecture 9 - Money Market Instruments, Bond Terminology

Lecture 10 - Intrinsic Value of Bonds

Lecture 11 - Yield to Maturity - I

Lecture 12 - Yield to Maturity - II

Lecture 13 - Yield to Maturity - III

Lecture 14 - Yield to Maturity - IV

Lecture 15 - Yield to Maturity - V

Lecture 16 - Holding Period Yield etc.

Lecture 17 - Clean and Dirty Price, Interest Rate Risk - I

Lecture 18 - Interest Rate Risk - II

Lecture 19 - Interest Rate Risk - III

Lecture 20 - Immunization

Lecture 21 - Immunization Example

Lecture 22 - Price Sensitivities, Key Rates

Lecture 23 - Term Structure of Interest Rates

Lecture 24 - Yield Spreads, Equity Valuation - I

Lecture 25 - Equity Valuation - II

Lecture 26 - Equity Valuation - III

Lecture 27 - Equity Valuation - IV

Lecture 28 - Equity Valuation - V

Lecture 29 - Equity Valuation - VI

Lecture 30 - Equity Valuation - VII

Lecture 31 - Equity Valuation - VIII

Lecture 32 - Equity Valuation - IX

Lecture 33 - Fundamental Analysis

Lecture 34 - Balance Sheet Analysis - I

Lecture 35 - Balance Sheet Analysis - II

Lecture 36 - Balance Sheet Analysis - III

Lecture 37 - Balance Sheet Analysis - IV

Lecture 38 - Balance Sheet Analysis - V

Lecture 39 - Balance Sheet Analysis - VI

Lecture 40 - Income Statement, Cash Flow Statement, Ratio Analysis

Lecture 41 - Mean Variance Portfolio Optimization - I

Lecture 42 - Mean Variance Portfolio Optimization - II

Lecture 43 - Mean Variance Portfolio Optimization - III

Lecture 44 - Mean Variance Portfolio Optimization - IV

Lecture 45 - Mean Variance Portfolio Optimization - V

Lecture 46 - Mean Variance Portfolio Optimization - VI

Lecture 47 - Mean Variance Portfolio Optimization - VII

Lecture 48 - Mean Variance Portfolio Optimization - VIII

Lecture 49 - Single Index Model - I

Lecture 50 - Single Index Model - II

Lecture 51 - Capital Asset Pricing Model - I

Lecture 52 - Capital Asset Pricing Model - II

Lecture 53 - Capital Asset Pricing Model - III

Lecture 54 - Arbitrage Pricing Model - I

Lecture 55 - Arbitrage Pricing Model - II

Lecture 56 - Arbitrage Pricing Model - III, Portfolio Performance Evaluation

Lecture 57 - Efficient Market Hypothesis - I

Lecture 58 - Efficient Market Hypothesis - II, Financial Derivatives - I

Lecture 59 - Financial Derivatives - II

Lecture 60 - Financial Derivatives - III

NPTEL : NOC:Decision Making with Spreadsheet (Management)

Co-ordinators : Prof. Ramesh Anbanandam

Lecture 1 - Introduction

Lecture 2 - Cost, Revenue, and Profit Models, Break Even Analysis

Lecture 3 - Linear Programming Problem: Formulation and Assumptions

Lecture 4 - Linear Programming Problem: Graphical Solution Method

Lecture 5 - Graphical Calculator and Excel Solver for solving LPP

Lecture 6 - Sensitivity Analysis - 1

Lecture 7 - Sensitivity Analysis - 2

Lecture 8 - Sensitivity Analysis - 3

Lecture 9 - LPP Applications in Marketing

Lecture 10 - LPP Applications in Finance

Lecture 11 - LPP Applications in Operations - 1

Lecture 12 - LPP Applications in Operations - 2

Lecture 13 - LPP Applications in Operations - 3

Lecture 14 - Advanced LP Applications - Data Envelopment Analysis

Lecture 15 - Game Theory - 1

Lecture 16 - Game Theory - 2

Lecture 17 - Portfolio Management

Lecture 18 - Revenue Management

Lecture 19 - Distribution and Network Problems: Transportation Problem

Lecture 20 - Assignment and Shortest Path Problem

Lecture 21 - Maximal Flow, Production and Inventory Application, Scheduling and Assignment Problems

Lecture 22 - Integer Linear Programming

Lecture 23 - Integer Programming Distribution Problem

Lecture 24 - Nonlinear Optimization Models - I

Lecture 25 - Nonlinear Optimization Models - II

Lecture 26 - Nonlinear Optimization Models - III

Lecture 27 - Nonlinear Optimization Models - IV

Lecture 28 - Nonlinear Optimization Models - V

Lecture 29 - Project Scheduling: PERT/CPM - I

Lecture 30 - Project Scheduling: PERT/CPM - II

Lecture 31 - Project Scheduling For Uncertain Activity Duration: PERT/CPM - III

Lecture 32 - Project Scheduling: PERT/CPM - IV

Lecture 33 - Inventory Models: Economic Order Quantity (EOQ) Model - I

Lecture 34 - Inventory Models: Economic Order Quantity (EOQ) Model - Iâ€‹I

Lecture 35 - Economic Production Lot Size Model

Lecture 36 - Inventory Model with Planned Shortages

Lecture 37 - Inventory Model - III

Lecture 38 - Single-period Inventory model with Probabilistic demand

Lecture 39 - Multi-period Order-Quantity, Reorder Point Model with Probabilistic Demand

Lecture 40 - Periodic Review Model (P-type) with Probabilistic Demand

Lecture 41 - Financial risks associated with the development of a new product - I

Lecture 42 - Financial risks associated with the development of a new product - II

Lecture 43 - Inventory Simulation

Lecture 44 - Simulation - III

Lecture 45 - Simulation - IV

Lecture 46 - Decision Analysis - I

Lecture 47 - Decision Analysis - II

Lecture 48 - Decision Analysis - III

Lecture 49 - Decision Analysis - IV

Lecture 50 - Decision Analysis - V

Lecture 51 - Formulation Of Goal Programming - I

Lecture 52 - Formulation Of Goal Programming - II

Lecture 53 - Multicriteria Decisions - I

Lecture 54 - Multicriteria Decisions - II

Lecture 55 - Multicriteria Decisions - III

Lecture 56 - Time Series Analysis and Forecasting - I

Lecture 57 - Time Series Analysis and Forecasting - II

Lecture 58 - Time Series Analysis and Forecasting - III

Lecture 59 - Time Series Analysis and Forecasting - IV

Lecture 60 - Time Series Analysis and Forecasting - V

NPTEL : NOC:Integrated Marketing Communication (Management)

Co-ordinators : Prof. Vinay Sharma

Lecture 1 - Introduction to Integrated Marketing Communication (IMC)

Lecture 2 - Defining Marketing Communication, Marketing and IMC

Lecture 3 - Relationship with Marketing and IMC

Lecture 4 - Effective Marketing Communication

Lecture 5 - Emerging trends in IMC - Part I

Lecture 6 - Emerging Trends in IMC - Part II

Lecture 7 - Design Thinking in IMC - Part I

Lecture 8 - Design Thinking in IMC - Part II

Lecture 9 - Effectiveness of Communication - Part I

Lecture 10 - Effectiveness of Communication - Part II

Lecture 11 - Communication Process and Reflexivity in IMC

Lecture 12 - Role of Consumer Behaviour in IMC

Lecture 13 - Consumer Decision Making Process - Part I

Lecture 14 - Consumer Decision Making Process - Part II

Lecture 15 - Relationship Between Consumer Behaviour and IMC

Lecture 16 - Role of Persuasion in IMC

Lecture 17 - Objectives and Budgeting

Lecture 18 - IMC as a Strategic Tool - Part I

Lecture 19 - IMC as a Strategic Tool - Part II

Lecture 20 - IMC and Branding

Lecture 21 - History of Advertising

Lecture 22 - History of Advertising Indian Perspective

Lecture 23 - Contribution of IMC in Brand Attitude

Lecture 24 - Advertising Agencies

Lecture 25 - Association of Research with IMC

Lecture 26 - Advertising Research Methods

Lecture 27 - IMC Planning - Part I

Lecture 28 - IMC Planning - Part II

Lecture 29 - IMC Planning - Part III

Lecture 30 - Case Studies

Lecture 31 - Advertising and Marketing Mix

Lecture 32 - Advertising and Support Media

Lecture 33 - Media Planning - Part I

Lecture 34 - Media Planning - Part II

Lecture 35 - Introduction to Creativity

Lecture 36 - Creativity Elements - Part I

Lecture 37 - Creativity Elements - Part II

Lecture 38 - Creative Execution in Advertising - Part I

Lecture 39 - Creative Execution in Advertising - Part II

Lecture 40 - Creative Execution in Print Advertising

Lecture 41 - Sales Promotion - Part I

Lecture 42 - Sales Promotion - Part II

Lecture 43 - Sales Promotion - Part III

Lecture 44 - Personal Selling - Part I

Lecture 45 - Personal Selling - Part II

Lecture 46 - Direct Marketing - Part I

Lecture 47 - Direct Marketing - Part II

Lecture 48 - Cause-Related Marketing

Lecture 49 - Public Relations

Lecture 50 - Word-of-Mouth and Corporate Advertising

Lecture 51 - Digital Advertising

Lecture 52 - Search Engine Optimization (SEO)

Lecture 53 - Social Media Advertising - Part I

Lecture 54 - Social Media Advertising - Part II

Lecture 55 - Social Media Advertising - Part III

Lecture 56 - Content Marketing

Lecture 57 - Ethics and Marketing Communications

Lecture 58 - Measuring Effectiveness of IMC - Part I

Lecture 59 - Measuring Effectiveness of IMC - Part II

Lecture 60 - Conclusion

NPTEL : NOC:Leadership and Team Effectiveness (Management)

Co-ordinators : Prof. Santosh Rangnekar

Lecture 1 - Introduction to Leadership and Team Management

Lecture 2 - Leadership Myths and Facts - I

Lecture 3 - Leadership Myths and Facts - II

Lecture 4 - Interactional Framework for Analyzing Leadership

Lecture 5 - Leadership Development: The First 90 Days as a Leader

Lecture 6 - Leader Development: The Action-Observation-Reflection Model

Lecture 7 - Leaderâ€“Member Exchange (LMX) Theory

Lecture 8 - Normative Decision Model

Lecture 9 - Situational Leadership Model

Lecture 10 - Contingency Model and Path-Goal Theory

Lecture 11 - Charismatic and Transformational Leadership

Lecture 12 - Leadership for Tomorrow

Lecture 13 - Leadership Attributes

Lecture 14 - Personality Traits and Leadership

Lecture 15 - Personality Types and Leadership

Lecture 16 - Intelligence and Leadership

Lecture 17 - Emotional Intelligence and Leadership

Lecture 18 - Power and Leadership

Lecture 19 - The Art of Influence in Leadership

Lecture 20 - Leadership and â€œDoing the Right Things

Lecture 21 - Character Based Approach to Leadership

Lecture 22 - Role of Ethics and Values in Organisational Leadership

Lecture 23 - Leadership Behaviour

Lecture 24 - Leadership Pipeline

Lecture 25 - Assessing Leadership Behaviors: Multi-rater feedback instruments

Lecture 26 - The Dark Side of Leadership- Destructive Leadership

Lecture 27 - Managerial Incompetence and Derailment

Lecture 28 - Negotiation and Leadership

Lecture 29 - Leadership in Crisis Situation

Lecture 30 - The Situation and The Environment

Lecture 31 - Culture and Leadership

Lecture 32 - Global Leadership

Lecture 33 - Motivation and Leadership

Lecture 34 - Introduction to Groups and Teams

Lecture 35 - Characteristics of Leader, Follower and Situation

Lecture 36 - Group Dynamics

Lecture 37 - Team Formation

Lecture 38 - Delegation and Empowerment

Lecture 39 - Leading Teams: Enhancing Teamwork within a Group

Lecture 40 - The Leaderâ€™s Role in Team-Based Organizations

Lecture 41 - Leader Actions That Foster Team Effectiveness

Lecture 42 - Offsite Training and Team Development

Lecture 43 - Understanding Team Processes and Team Coaching

Lecture 44 - Team Decision Making and Conflict Management

Lecture 45 - Virtual teams

Lecture 46 - Managing Multicultural Teams

Lecture 47 - Building Great Teams

Lecture 48 - Experiential Learning

Lecture 49 - Action Learning

Lecture 50 - Development Planning: GAPS Analysis

Lecture 51 - Coaching and Mentoring

Lecture 52 - Women in Leadership Roles

Lecture 53 - Building Effective Relationship with Subordinates and Peers

Lecture 54 - Fostering Followers Satisfaction

Lecture 55 - The Art of Communication

Lecture 56 - Setting Goals and Providing Constructive Feedback

Lecture 57 - Enhancing Creativity Problem Solving Skills

Lecture 58 - Building High-Performance Teams: The Rocket Model

Lecture 59 - Building Credibility and Trust

Lecture 60 - Skills for Developing Others

NPTEL : NOC:Product and Brand Management (Management)

Co-ordinators : Prof. Vinay Sharma

Lecture 1 - Introduction to Product and Brand Management

Lecture 2 - Defining Product

Lecture 3 - Terminologies Associated with Product - 1

Lecture 4 - Terminologies Associated with Product - 2

Lecture 5 - Terminologies Associated with Product - 3

Lecture 6 - Terminologies Associated with Product - 4

Lecture 7 - Product Management and Concepts Associated with Product

Lecture 8 - Product Classification

Lecture 9 - Product Differentiation and its Elements - 1

Lecture 10 - Product Differentiation and its Elements - 2

Lecture 11 - Product Positioning - 1

Lecture 12 - Product Positioning - 2

Lecture 13 - Product Life cycle - 1

Lecture 14 - Product Life Cycle - 2

Lecture 15 - Product Life Cycle - 3

Lecture 16 - Saddle Effect and Relationship of Product with Marketing Mix Elements

Lecture 17 - Market and Product Planning - 1

Lecture 18 - Market and Product Planning - 2

Lecture 19 - Product Strategy and Decisions - 1

Lecture 20 - Product Strategy and Decisions - 2

Lecture 21 - Product Decisions

Lecture 22 - Product Portfolio Management

Lecture 23 - Product Category Management

Lecture 24 - Customer Analysis

Lecture 25 - Competitors Analysis

Lecture 26 - Product Pricing

Lecture 27 - Product Pricing and Packaging

Lecture 28 - Product Distribution

Lecture 29 - Design Thinking - 1

Lecture 30 - Design Thinking - 2

Lecture 31 - Design Thinking - 3

Lecture 32 - Product Innovation - 1

Lecture 33 - Product Innovation - 2

Lecture 34 - New Product Development

Lecture 35 - Reflexivity, Insight, and Value Co-Creation

Lecture 36 - Brand Management

Lecture 37 - Defining Brand

Lecture 38 - Strategic Brand Management Process

Lecture 39 - Brand Proposition

Lecture 40 - Customer-based Brand Equity - 1

Lecture 41 - Customer-based Brand Equity - 2

Lecture 42 - Brand Positioning

Lecture 43 - Brand Resonance Model

Lecture 44 - Brand Value Chain - 1

Lecture 45 - Brand Value Chain - 2

Lecture 46 - Brand Equity Elements - 1

Lecture 47 - Brand Equity Elements - 2

Lecture 48 - Designing Marketing Programs to Build Brand Equity

Lecture 49 - Secondary Brand Associations

Lecture 50 - Brand Audit and Research

Lecture 51 - Brand Architecture Strategies And Brand Portfolio

Lecture 52 - Brand Portfolio And Brand Hierarchies

Lecture 53 - Brand Equity: Measuring Outcomes - 1

Lecture 54 - Brand Equity: Measuring Outcomes - 2

Lecture 55 - Brand Extension

Lecture 56 - Brand Experience and Brand Loyalty

Lecture 57 - Brand Continuum and Brand Reinforcement

Lecture 58 - Brand Revitalization and Repositioning

Lecture 59 - Rebranding, Brand Demise and Brand Lifecycle

Lecture 60 - Product and Brand Management - Conclusion

NPTEL : NOC:Quantitative Investment Management (Management)

Co-ordinators : Prof. J P Singh

Lecture 1 - Overview and Introduction, Debt and Equity

Lecture 2 - Hybrids, Derivatives

Lecture 3 - Financial Risk

Lecture 4 - Arbitrage

Lecture 5 - Arbitrage Free Pricing

Lecture 6 - Arbitrage Free Pricing of Bonds

Lecture 7 - Forward Rates, Bond Pricing with Forward Rates

Lecture 8 - Binomial Interest Rate Tree

Lecture 9 - Bond Pricing with Binomial Trees

Lecture 10 - Bond Pricing (Continued...)

Lecture 11 - Valuation of Bonds with Embedded Options

Lecture 12 - Features of Option Embedded Bonds

Lecture 13 - Yield to Maturity

Lecture 14 - Bond Yields and Yield Spreads

Lecture 15 - Z Spread and Option Adjusted Spread (OAS)

Lecture 16 - Yield Spreads

Lecture 17 - Interest Rate Risk

Lecture 18 - Duration and Immunization

Lecture 19 - Immunization and Bond Dynamics

Lecture 20 - Duration: Properties

Lecture 21 - Effective Duration

Lecture 22 - Key Rate Duration

Lecture 23 - One Sided Duration

Lecture 24 - Modeling of Fixed Income Returns

Lecture 25 - Immunizing a Single Liability

Lecture 26 - The Barbell Strategy - 1

Lecture 27 - The Barbell Strategy - 2

Lecture 28 - Yield Shifts and Immunization

Lecture 29 - Fixed Income Portfolio Strategies - 1

Lecture 30 - Fixed Income Portfolio Strategies - 2

Lecture 31 - Fixed Income Portfolio Strategies - 3

Lecture 32 - Floaters, Caps and Floors

Lecture 33 - Derivatives, A Recapitulation

Lecture 34 - Forward Pricing - Investment Assets

Lecture 35 - Forward Pricing - Consumption Assets

Lecture 36 - Introduction to Options

Lecture 37 - Put Call Parity and Arbitrage

Lecture 38 - American Options - 1

Lecture 39 - American Options - 2

Lecture 40 - Option Trading Strategies - 1

Lecture 41 - Option Trading Strategies - 2

Lecture 42 - Option Trading Strategies - 3

Lecture 43 - Option Pricing - Binomial Model - 1

Lecture 44 - Option Pricing - Binomial Model - 2

Lecture 45 - Option Pricing - American Options

Lecture 46 - Random Walks

Lecture 47 - Brownian Motion

Lecture 48 - Stochastic Calculus

Lecture 49 - Stock Price Modelling

Lecture 50 - Black Scholes Model

Lecture 51 - Futures - 1

Lecture 52 - Futures - 2

Lecture 53 - Forward vs Futures Prices

Lecture 54 - Futures Hedging

Lecture 55 - Issues in Futures Hedging

Lecture 56 - Perfect Futures Hedge, Cross Hedge, Tailing the Hedge

Lecture 57 - Stock Index Futures - 1

Lecture 58 - Stock Index Futures - 2

Lecture 59 - Interest Rate Futures - 1

Lecture 60 - Interest Rate Futures - 2

NPTEL : NOC:Strategic Sales Management (Management)

Co-ordinators : Prof. Kalpak Kulkarni, Prof. Sourabh Arora

Lecture 1 - Breaking the Myths and Learning the Basics

Lecture 2 - Evolution and Role of Sales Management

Lecture 3 - Tactical Role of Sales Management

Lecture 4 - Complexities in Sales Management and Characteristics of Modern Selling

Lecture 5 - Difference Between Sales and Marketing

Lecture 6 - Selling in a VUCA World

Lecture 7 - Place of Selling in Overall Marketing Plan

Lecture 8 - Use of Marketing Principles in Creating Strategic Sales Plan

Lecture 9 - Sales Forecasting Methods for Informed Decision-Making

Lecture 10 - Tools to Assess Market While Developing Strategic Sales Plan

Lecture 11 - Models of Sales planning

Lecture 12 - Types of sales man and what makes a good sales man

Lecture 13 - Buying Centre and stages of sales call

Lecture 14 - Transformative Factors And Evolved Selling Process And Theories

Lecture 15 - Miller Heiman approach and virtual framework strategic selling

Lecture 16 - Miller Heiman Approach And Virtual Framework Strategic Selling (Continued...)

Lecture 17 - Buyer Persona and Consumer and B2B Decision Making process

Lecture 18 - Consumer and B2B Decision Making process Selling and Consumer Behavior

Lecture 19 - B2B Decision Making Process and Difference in B2B and B2C Selling

Lecture 20 - Key Account Management and Customer Centric Selling

Lecture 21 - Key Account Management, Customer Centric Selling and CRM Strategies (Continued...)

Lecture 22 - Key Responsibilities of Salespeople

Lecture 23 - Preparing for a Sales Role

Lecture 24 - Preparing for a Sales Role (Continued...)

Lecture 25 - Personal Selling Skills and Motivating Sales Team

Lecture 26 - Personal Selling Skills and Motivating Sales Team (Continued...)

Lecture 27 - Meaning and Role of Sales Intelligence

Lecture 28 - Data for Sales intelligence

Lecture 29 - Ideal Customer Profile

Lecture 30 - Data-Driven Approaches to Selling

Lecture 31 - Social Media for Lead Generation

Lecture 32 - Understanding International Selling

Lecture 33 - Global Sales Dynamics and Sales Force Management

Lecture 34 - Do's and Don'ts of International Selling

Lecture 35 - Role of culture in International Selling

Lecture 36 - Challenges of Selling in International Markets

Lecture 37 - Role of technology management in selling

Lecture 38 - Use of Sales force Automation for Effective Selling

Lecture 39 - Role of AR/VR and AI in Selling

Lecture 40 - Managing a Diversified Sales-force

Lecture 41 - Ethical and Social issues in Selling

NPTEL : NOC:Retail Marketing Strategy (Management)

Co-ordinators : Prof. Sourabh Arora

Lecture 1 - Understanding Retailing from a Strategic Standpoint

Lecture 2 - Why is Retailing so Important: Strategic Perspectives

Lecture 3 - Strategic Standpoint and Evolution of Retailing

Lecture 4 - Evolution of Retailing

Lecture 5 - Value Creation

Lecture 6 - Retailing Theories Role in Supply Chain

Lecture 7 - Retailing Theories and Retailers Role in Supply Chain

Lecture 8 - Retailers Role in Supply Chain and Retail Management Decision Process

Lecture 9 - Retail Management Decision Process (Continued...) and Kahn's Retailing Success Matrix

Lecture 10 - Retail Management Decision Process and Kahn's Retailing Success Matrix

Lecture 11 - Retail Management Decision Process, Kahn's Retailing Success Matrix and Success Factors

Lecture 12 - Kahn's Retailing Success Matrix and Success Factors for Retailing

Lecture 13 - Success Factors for Retailing and View of Consumer Decision Making Processes

Lecture 14 - Success Factors for Retailing and View of Consumer Decision Making Processes (Continued...)

Lecture 15 - Consumer Decision Making Processes (Continued...)

Lecture 16 - Consumer Decision Making Processes (Continued...)

Lecture 17 - Consumer Decision Making Processes (Continued...) and Consumer Motives

Lecture 18 - Tenets of Customer Centric Approach: A Retailers Perspective

Lecture 19 - Private Label Brands

Lecture 20 - Types of Private Label Brands and Introduction to Multi and Omni-Channel Retail

Lecture 21 - Introduction to Multi and Omni-Channel Retail

Lecture 22 - Introduction to Multi and Omni-Channel Retail (Continued...)

Lecture 23 - Introduction to Multi and Omni-Channel Retail (Continued...)

Lecture 24 - Formulating a Successful Retail Strategy

Lecture 25 - Formulating a Successful Retail Strategy

Lecture 26 - Formulating a Successful Retail Strategy (Continued...)

Lecture 27 - Formulating a Successful Retail Strategy (Continued...)

Lecture 28 - Formulating a Successful Retail Strategy (Continued...)

Lecture 29 - Formulating a Successful Retail Strategy (Continued...)

Lecture 30 - Formulating a Successful Retail Strategy (Continued...)

Lecture 31 - Location Decisions

Lecture 32 - Location Decisions

Lecture 33 - Pricing Decisions

Lecture 34 - Merchandise Management and Planning

Lecture 35 - Merchandise Management and Planning (Continued...)

Lecture 36 - Role of HRM in Retailing

Lecture 37 - Role of HRM in Retailing (Continued...)

Lecture 38 - Motivating Employees

Lecture 39 - Showrooming and Webrooming

Lecture 40 - Showrooming and Webrooming

Lecture 41 - Virtual Reality, Augmented Reality and Artificial Intelligence in Retailing

NPTEL : NOC:Business to Business Marketing (B2B) (Management)

Co-ordinators : Prof. Jogendra Nayak

Lecture 1 - Introduction to Business to Business Marketing

Lecture 2 - Classification of Products and Customers in B2B

Lecture 3 - B2B vs B2C Marketing - 1

Lecture 4 - B2B vs B2C Marketing - 2

Lecture 5 - Some Important Concepts and Case Study

Lecture 6 - Value Chain Analysis, Core Competence and Outsourcing

Lecture 7 - Introduction to Organisational Buying Behaviour

Lecture 8 - Howard's Seth Model

Lecture 9 - Seth's Model

Lecture 10 - Webster and Wind Model, Buying Center and Buygrid Framework

Lecture 11 - Purchasing function Goals and Kralijic's Model

Lecture 12 - Purchasing Cycle and Procurement Development Process

Lecture 13 - Strategic Sourcing and Case Study

Lecture 14 - E-Procurement and Supplier Assesment

Lecture 15 - B2B Marketing Strategy Formulation

Lecture 16 - B2B Marketing Strategy Formulation and Balance Scorecard

Lecture 17 - Balance Scorecard, Strategy Maps and Case Study

Lecture 18 - Managing Products in B2B Markets: PLC Approach

Lecture 19 - Managing Products in B2B Markets: TA Life Cycle Approach

Lecture 20 - Managing Services in B2B Markets

Lecture 21 - Introduction to STP

Lecture 22 - Segmentation in B2B Markets

Lecture 23 - Bonama and Shapiro's Nested Approach and Targeting in B2B

Lecture 24 - Target Market Strategies

Lecture 25 - Positioning in B2B Markets

Lecture 26 - B2B Positioning Strategies

Lecture 27 - Business Market Communication: Personal Selling

Lecture 28 - Business Market Communication: Sales Force Management

Lecture 29 - Business Market Communication: Advertising

Lecture 30 - Business Market Communication: Social Media, Trade shows and more

Lecture 31 - Business Market Communication: Promotional Budgeting

Lecture 32 - Demand Forecasting in B2B Markets: Introduction

Lecture 33 - Demand Forecasting in B2B Markets: Qualitative Methods

Lecture 34 - Demand Forecasting in B2B Markets: Quantitative Methods - 1

Lecture 35 - Demand Forecasting in B2B Markets: Quantitative Methods - 2

Lecture 36 - B2B Product Management: New Product Development

Lecture 37 - B2B Product Management: Identifying New Products

Lecture 38 - B2B Product Management: Customer Value, Product Launch and more

Lecture 39 - B2B Product Management: Branding

Lecture 40 - B2B Pricing: Introduction

Lecture 41 - B2B Pricing: Price Setting Process - 1

Lecture 42 - B2B Pricing: Price Setting Process - 2

Lecture 43 - B2B Pricing: Pricing Methods

Lecture 44 - B2B Pricing: Geographical and Value Based Pricing

Lecture 45 - B2B Pricing: Competitive Bidding

Lecture 46 - Introduction to Relationship Management in B2B Markets

Lecture 47 - Types of Relationships in B2B Markets and Customer Profitability

Lecture 48 - Customer Relationship Management

Lecture 49 - Customer Lifetime Value

Lecture 50 - B2B Marketing Research: Introduction

Lecture 51 - B2B Marketing Research: Research Methods

Lecture 52 - Business Marketing Channels: Introduction and its Types

Lecture 53 - Business Marketing Channels: Types of Participants

Lecture 54 - Business Marketing Channels: E-Commerce

Lecture 55 - Supply Chain Management and its Drivers

Lecture 56 - Approaches to SCM and Logistics Management

Lecture 57 - Strategic Business Units (SBU) and BCG Matrix

Lecture 58 - GE Matrix and McKinsey 7S Framework

Lecture 59 - Marketing Techniques Implementation and Control

Lecture 60 - A Comprehensive Case Study

NPTEL : NOC:Designing Work Organization (Management)

Co-ordinators : Prof. Santosh Rangnekar

Lecture 1 - Introduction to Organization Design

Lecture 2 - Evolution of Organization Theory and Design

Lecture 3 - Approaches to Design Based on Different Models

Lecture 4 - Role of Strategy in Organization Design

Lecture 5 - A Framework for Selecting Strategy and Design

Lecture 6 - Assessing Organizational Effectiveness - 1

Lecture 7 - Assessing Organizational Effectiveness - 2

Lecture 8 - Understanding Organizational Structure

Lecture 9 - Dimension of Organization Structure - 1

Lecture 10 - Dimension of Organization Structure - 2

Lecture 11 - Dimension of Organization Structure - 3

Lecture 12 - Interorganizational Relationship - 1

Lecture 13 - Interorganizational Relationship - 2

Lecture 14 - The Impact of External Environment

Lecture 15 - Framework for Response to Environmental Change

Lecture 16 - Organization Resilience and Adaptability

Lecture 17 - Introduction to Organization Decision-making

Lecture 18 - Models of Organizational decision-making

Lecture 19 - Contingency Decision-Making Framework

Lecture 20 - Role of IT in decision making

Lecture 21 - Strategic Role of Change

Lecture 22 - Model of Change Management

Lecture 23 - Managing Technology Change

Lecture 24 - Leading in VUCA World

Lecture 25 - Enhancing Organizational Readiness for Change

Lecture 26 - Designing Organizations for Competitive Success

Lecture 27 - Understanding and Developing Organization culture

Lecture 28 - Managing Culture by Design

Lecture 29 - Learning Organization

Lecture 30 - Ethical values and Social Responsibility

Lecture 31 - Organizational Design Challenges

Lecture 32 - Interdepartmental Conflict in Organization

Lecture 33 - Power and Organization

Lecture 34 - Political Processes in an organization

Lecture 35 - Communications Structure of Organization

Lecture 36 - Leadership in Organization Design

Lecture 37 - The strategic value of Information Technology

Lecture 38 - E-business Organization Design

Lecture 39 - Workplace Technology and Design - 1

Lecture 40 - Workplace Technology and Design - 2

Lecture 41 - Innovation Management and its Principles

Lecture 42 - Models of Organizational Innovation

Lecture 43 - Innovation for Impact

Lecture 44 - Design Thinking for Innovation - 1

Lecture 45 - Design Thinking for Innovation - 2

Lecture 46 - Growth and Organization Life cycle

Lecture 47 - Organization Size and Complexity of Organization

Lecture 48 - Organization Bureaucracy and Control

Lecture 49 - Organization Development and Tools - 1

Lecture 50 - Organization Development and Tools - 2

Lecture 51 - Understanding Global Organizational Design

Lecture 52 - Designing Structure to Fit Global Strategy

Lecture 53 - Building Global Capabilities

Lecture 54 - Sustainable Organization Design

Lecture 55 - Job Crafting

Lecture 56 - Workplace Design for Well-being

Lecture 57 - Organization Building in Context of Employee Engagement

Lecture 58 - The Experience-Centric Organization

Lecture 59 - The Wheel of Experience Centricity

Lecture 60 - Designing Organization for Meaningful Experiences

NPTEL : NOC:Project Management (2024) (Management)

Co-ordinators : Prof. Ramesh Anbanandam

Lecture 1 - Introduction to Project Management - I

Lecture 2 - Introduction to Project Management - II

Lecture 3 - Agile Project Management

Lecture 4 - Project Selection Models

Lecture 5 - Examples of Project Selection Models

Lecture 6 - Project Manager

Lecture 7 - Attributes of Effective Project Manager

Lecture 8 - Managing for Stakeholders

Lecture 9 - Resolving Conflicts

Lecture 10 - Negotiation

Lecture 11 - Project in the Organization structure

Lecture 12 - Human factors and the Project Team

Lecture 13 - Traditional Project Activity Planning

Lecture 14 - Agile Project Planning, Project Charter

Lecture 15 - Coordination through Integration Management

Lecture 16 - Project Feasibility Analysis

Lecture 17 - Estimating Project Budgets

Lecture 18 - Project Risk Management

Lecture 19 - Quantitative Risk Assessment Methodologies

Lecture 20 - Critical Path Method (CPM)

Lecture 21 - Programme Evaluation And Review Technique PERT

Lecture 22 - Risk Analysis with simulation for scheduling

Lecture 23 - Gantt Chart and Scheduling with scrum

Lecture 24 - Crashing a project

Lecture 25 - Resource Loading

Lecture 26 - Resource Levelling

Lecture 27 - Goldratt's critical chain

Lecture 28 - Planning monitoring controlling cycle

Lecture 29 - Earned value analysis

Lecture 30 - Agile tools for tracking project

Lecture 31 - Three types of Project Controlling

Lecture 32 - Control of change scope and scope creep

Lecture 33 - Project Audit

Lecture 34 - Essentials of an audit evaluation

Lecture 35 - When to close a project ?

Lecture 36 - Benefits realization, Case study on the success of Chandrayan 3

Lecture 37 - Software for Project Management

Lecture 38 - Demo on project management software

Lecture 39 - Simulations Software for Project Management

Lecture 40 - Course Summary

NPTEL : NOC:AI in Marketing (Management)

Co-ordinators : Prof. Zillur Rahman

Lecture 1 - Understanding the basics of AI in Marketing - I

Lecture 2 - Understanding the basics of AI in Marketing - II

Lecture 3 - Understanding the basics of AI in Marketing - III

Lecture 4 - Introduction to AI Algorithms

Lecture 5 - Designs of AI, Transition process and AI matrix

Lecture 6 - Customer value and Role of AI in Value Delivery Process

Lecture 7 - Transforming Marketing Strategy using AI - I

Lecture 8 - Transforming Marketing Strategy using AI - II

Lecture 9 - Transforming Marketing Strategy using AI - III

Lecture 10 - Transforming Marketing Strategy using AI - IV

Lecture 11 - Transforming Marketing Strategy using AI - V

Lecture 12 - Using AI for STP

Lecture 13 - Application of AI in Marketing Mix - I

Lecture 14 - Application of AI in Marketing Mix - II

Lecture 15 - Marketing Information Systems and its Components

Lecture 16 - What is Marketing Research - I

Lecture 17 - What is Marketing Research - II

Lecture 18 - Individual Dynamics and its influence on Consumer Behaviour

Lecture 19 - Consumer Buying Decision Process

Lecture 20 - Understanding Customer Journey - I

Lecture 21 - Understanding Customer Journey - II

Lecture 22 - Customer Experience: Meaning and Characteristics

Lecture 23 - Personalization: Going Beyond Segmentation - I

Lecture 24 - Personalization: Going Beyond Segmentation - II

Lecture 25 - Avatar marketing

Lecture 26 - Standardization, Personalization and Relationalization of Brands using AI

Lecture 27 - Understanding Networks and Brand Network Effect

Lecture 28 - Understanding the Use of AI for Addressing Competition

Lecture 29 - AI and Brand Equity

Lecture 30 - AI and New Brand Realities - I

Lecture 31 - AI and New Brand Realities - II

Lecture 32 - AI for Value Creation and Product Development

Lecture 33 - Personalization and hyper-personalization Using AI - I

Lecture 34 - Personalization and hyper-personalization Using AI - II

Lecture 35 - Personalization and hyper-personalization Using AI - III

Lecture 36 - Personalization and hyper-personalization Using AI - IV

Lecture 37 - Personalization and hyper-personalization Using AI - V

Lecture 38 - Implementation of AI by Product Managers

Lecture 39 - AI in Service

Lecture 40 - Pricing Strategies Using AI - I

Lecture 41 - Pricing Strategies Using AI - II

Lecture 42 - Pricing Strategies Using AI - III

Lecture 43 - Pricing Strategies Using AI - IV

Lecture 44 - Role of AI in Advertising - I

Lecture 45 - Role of AI in Advertising - II

Lecture 46 - AI in Sales promotion and Direct Marketing

Lecture 47 - AI in PR and Publicity and Social Media Marketing - I

Lecture 48 - AI in PR and Publicity and Social Media Marketing - II

Lecture 49 - Personal Selling using AI

Lecture 50 - Sales management using AI

Lecture 51 - AI and Marketing Channel Management

Lecture 52 - Omnichannel Marketing and Retailing

Lecture 53 - Changing face of Retailing in the age of AI

Lecture 54 - AI in Logistics Management - I

Lecture 55 - AI in Logistics Management - II

Lecture 56 - Navigating Ethical Challenges in AI - I

Lecture 57 - Navigating Ethical Challenges in AI - II

Lecture 58 - Navigating Ethical Challenges in AI - III

Lecture 59 - Navigating Ethical Challenges in AI - IV

Lecture 60 - AI and Sustainability

NPTEL : NOC:Innovation in Marketing and Marketing of Innovation (Management)

Co-ordinators : Prof. Vinay Sharma

Lecture 1 - Introduction

Lecture 2 - Innovation

Lecture 3 - Innovations in Marketing and Marketing of Innovations

Lecture 4 - Innovations in Marketing

Lecture 5 - Need for Innovations in Marketing - 1

Lecture 6 - Need for Innovations in Marketing - 2

Lecture 7 - Change in Consumer Behaviour - 1

Lecture 8 - Change in Consumer Behaviour - 2

Lecture 9 - Innovative Perspectives about 4Pâ€™s for Innovation

Lecture 10 - Innovator's Dilemma

Lecture 11 - Go-To-Market Strategy

Lecture 12 - Targeting - Evolutionary Perspective

Lecture 13 - Innovations in Targeting and Positioning

Lecture 14 - Changing Concepts in Marketing of Products and Services

Lecture 15 - Changing Concepts of Marketing and Innovations in Service Marketing

Lecture 16 - Countering Commoditization: An Innovative Perspective

Lecture 17 - Innovations and Branding

Lecture 18 - Innovation in Pricing and Factors Affecting Pricing Innovations

Lecture 19 - Innovation in Pricing

Lecture 20 - Innovation in Pricing Strategies - 1

Lecture 21 - Innovation in Pricing Strategies - 2

Lecture 22 - Innovation in Distribution Channels

Lecture 23 - Innovation in Channel Management

Lecture 24 - Innovation in Retailing - 1

Lecture 25 - Innovation in Retailing - 2

Lecture 26 - Influence of distribution innovation on Marketing Mix

Lecture 27 - Innovation in Marketing Communication - 1

Lecture 28 - Innovation in Marketing Communication - 2

Lecture 29 - Innovation in Marketing Communication - 3

Lecture 30 - Innovative Marketing Communications: Direct Marketing

Lecture 31 - Innovative Marketing Communications: Sales Promotion and Public Relations

Lecture 32 - Innovative Marketing Communications: Advertising - Print, Radio and Television

Lecture 33 - Innovative Marketing Communications: Digital and Social Media Marketing

Lecture 34 - Influence of Innovation in Marketing Communications on the Marketing Mix

Lecture 35 - Co-Creation of Value and Value Co-Creation

Lecture 36 - Innovation and Value Chains - 1

Lecture 37 - Innovation and Value Chains - 2

Lecture 38 - Beyond Business

Lecture 39 - What is Marketing of Innovation? - Part 1

Lecture 40 - What is Marketing of Innovation? - Part 2

Lecture 41 - What is Marketing of Innovation? - Part 3

Lecture 42 - Marketing of Innovation - new products/new usage/ new services/ new perspective?

Lecture 43 - Marketing Research on Marketing of Innovation - Part 1

Lecture 44 - Marketing Research on Marketing of Innovation - Part 2

Lecture 45 - Marketing of Innovation - A fundamental change of thought process

Lecture 46 - Introduction to Innovation

Lecture 47 - Sources and Principles of Innovation

Lecture 48 - Strategy and Innovation

Lecture 49 - Connecting Innovation to Strategy

Lecture 50 - Understanding Consumers

Lecture 51 - Consumer Behavior and Innovations

Lecture 52 - Product Life Cycle in case of Innovations; Is it different?

Lecture 53 - Branding of Innovation

Lecture 54 - Marketing of Innovation in Service Industry - Part 1

Lecture 55 - Marketing of Innovation in Service Industry - Part 2

Lecture 56 - Positioning of Innovation

Lecture 57 - New Product Development

Lecture 58 - Monetizing and Delivering Innovation

Lecture 59 - What if it did not happen?

Lecture 60 - Conclusion

NPTEL : NOC:Strategic Services Marketing (Management)

Co-ordinators : Prof. Kalpak Kulkarni

Lecture 1 - Services and their Unique Characteristics

Lecture 2 - Services in Modern Economy

Lecture 3 - Trends and Challenges in Services Marketing

Lecture 4 - Service Marketing Mix and Value Creation

Lecture 5 - Services Ecosystem and Stakeholder Analysis

Lecture 6 - Customer Journey Mapping and Touchpoint Analysis

Lecture 7 - Designing memorable customer experiences

Lecture 8 - Personalization and Customization in Services

Lecture 9 - Emotional and Sensory marketing in Services

Lecture 10 - Technology-enabled customer experiences

Lecture 11 - Service Design Thinking and Design-driven Innovation

Lecture 12 - Open Innovation and Collaboration in Services

Lecture 13 - Crowdsourcing and customer involvement in service development

Lecture 14 - Managing Service Failures and Service Recovery Strategies

Lecture 15 - Leveraging Customer Feedback for Continuous Improvement

Lecture 16 - Digitalization of Services and Digital Service Platforms

Lecture 17 - Online Customer Engagement and Social Media Marketing

Lecture 18 - Mobile Marketing and Location-based Services

Lecture 19 - Artificial Intelligence and Chatbot Integration in Services

Lecture 20 - Blockchain and its application in service industries

Lecture 21 - Data-driven Decision-making in Services Marketing

Lecture 22 - Customer Analytics and Segmentation Strategies

Lecture 23 - Predictive Analytics for Personalized Marketing

Lecture 24 - Sentiment Analysis and Social Listening in Services

Lecture 25 - Ethical Considerations in Handling Customer Data

Lecture 26 - Building a Strong Service Brand Identity

Lecture 27 - Brand Positioning and Differentiation Strategies

Lecture 28 - Online Brand Management and Reputation Monitoring

Lecture 29 - Managing Brand Extensions and Brand Partnerships

Lecture 30 - Internal Branding and Aligning Employees with the Brand

Lecture 31 - Measuring and Improving Service Quality

Lecture 32 - SERVQUAL and Other Service Quality Measurement Tools

Lecture 33 - Service Guarantees and Service-level Agreements

Lecture 34 - Service Recovery Strategies and Complaint Handling

Lecture 35 - Cultivating a Culture of Service Excellence

Lecture 36 - Pricing Strategies for Services and Value-based Pricing

Lecture 37 - Dynamic Pricing and Revenue Optimization Techniques

Lecture 38 - Bundling and Packaging Strategies in Service Pricing

Lecture 39 - Subscription Models and Revenue Diversification

Lecture 40 - Pricing Strategies for Freemium and Subscription-based Services

Lecture 41 - Cultural Nuances and Their Impact on Service Marketing

Lecture 42 - Adapting Services for Different Cultural Contexts

Lecture 43 - Global Branding and Localization Strategies

Lecture 44 - Managing Diversity and Inclusivity in Service Delivery

Lecture 45 - Cross-cultural Communication and Customer Relationship Management

Lecture 46 - Sustainable practices and corporate social responsibility in services

Lecture 47 - Environmental consciousness and green marketing

Lecture 48 - Eco-friendly service design and operations

Lecture 49 - Ethical sourcing and responsible supply chain management

Lecture 50 - Consumer attitudes towards sustainable services

Lecture 51 - Developing service leadership skills

Lecture 52 - Motivating and empowering service employees

Lecture 53 - Service culture and service-oriented organizational behaviour

Lecture 54 - Training and development for service excellence

Lecture 55 - Managing service teams and fostering collaboration

Lecture 56 - Innovations in Service Delivery and Technology

Lecture 57 - Augmented Reality and Virtual Reality in Services

Lecture 58 - Internet of Things (IoT) in Service Ecosystem

Lecture 59 - Servitization and Product-Service Systems

Lecture 60 - Future Prospects and Challenges in Services Marketing

NPTEL : NOC:HR Analytics (Management)

Co-ordinators : Prof. Santosh Rangnekar, Prof. Abhishek Singh

Lecture 1 - Introduction to HR Analytics

Lecture 2 - HR Data Preparation and Development of HR metrics

Lecture 3 - Data science framework

Lecture 4 - Pitfalls of data science framework and Basics of data visualization

Lecture 5 - Developing HR analytics unit and culture

Lecture 6 - List of books

Lecture 7 - Introduction to data visualization

Lecture 8 - Data Visualization Power BI - 1

Lecture 9 - Data Visualization Power BI - 2

Lecture 10 - Data Visualization Power BI - 3

Lecture 11 - Data Visualization Excel - 1

Lecture 12 - Data Visualization Excel - 2

Lecture 13 - Steps of recruitment

Lecture 14 - Managerial challenges of recruitment - 1

Lecture 15 - Managerial challenges of recruitment - 2

Lecture 16 - Recruitment Analytics - 1

Lecture 17 - Recruitment Analytics - 2

Lecture 18 - Recruitment Analytics - 3

Lecture 19 - Recruitment Analytics - 4

Lecture 20 - Steps of employee selection process

Lecture 21 - Managerial challenges of employee selection - 1

Lecture 22 - Managerial challenges of employee selection - 2

Lecture 23 - Selection Analytics - 1

Lecture 24 - Selection Analytics - 2

Lecture 25 - Selection Analytics - 3

Lecture 26 - Selection Analytics - 4

Lecture 27 - Data Visualization of Recruitment and Selection

Lecture 28 - Steps of training

Lecture 29 - Managerial challenges of employee training - 1

Lecture 30 - Managerial challenges of employee training - 2

Lecture 31 - Training Analytics - 1

Lecture 32 - Training Analytics - 2

Lecture 33 - Training Analytics - 3

Lecture 34 - Training Analytics - 4

Lecture 35 - Steps of Employee Development

Lecture 36 - Managerial Challenges of Employee Development - 1

Lecture 37 - Managerial challenges of employee development - 2

Lecture 38 - Employee Development Analytics - 1

Lecture 39 - Employee Development Analytics - 2

Lecture 40 - Employee Development Analytics - 3

Lecture 41 - Employee Development Analytics - 4

Lecture 42 - Data Visualization of Training and Development

Lecture 43 - Steps of performance management

Lecture 44 - Managerial challenges of performance management - 1

Lecture 45 - Managerial challenges of performance management - 2

Lecture 46 - Performance Analytics - 1

Lecture 47 - Performance Analytics - 2

Lecture 48 - Performance Analytics - 3

Lecture 49 - Performance Analytics - 4

Lecture 50 - Steps of compensation management

Lecture 51 - Managerial challenges of compensation management - 1

Lecture 52 - Managerial challenges of compensation management - 2

Lecture 53 - Compensation Analytics - 1

Lecture 54 - Compensation Analytics - 2

Lecture 55 - Compensation Analytics - 3

Lecture 56 - Compensation Analytics - 4

Lecture 57 - Data Visualization of Performance and Compensation

Lecture 58 - Data Visualization Tableau - 1

Lecture 59 - Data Visualization Tableau - 2

Lecture 60 - Data Visualization Tableau - 3

Lecture 61 - Data Visualization Tableau - 4

Lecture 62 - Data Visualization Tableau - 5

NPTEL : NOC:Strategic Management (Management)

Co-ordinators : Prof. Vinay Sharma

Lecture 1 - What is Strategic Management?

Lecture 2 - Concepts of Strategy - 1

Lecture 3 - Concepts of Strategy - 2

Lecture 4 - Concepts of Strategy - 3

Lecture 5 - Strategy, Strategic Plan and Tactics

Lecture 6 - Strategic Planning, Thinking and Business Policy

Lecture 7 - Importance of Strategic Management

Lecture 8 - Corporate Culture

Lecture 9 - Leadership - 1

Lecture 10 - Leadership - 2

Lecture 11 - Developing and Communicating a Strategic Vision

Lecture 12 - Communicating a Strategic Vision

Lecture 13 - Developing a Companyâ€™s Mission Statement and Linking it with Companyâ€™s Core Values

Lecture 14 - Strategic Management Process - 1

Lecture 15 - Strategic Management Process - 2

Lecture 16 - Concept of Organizational Life Cycle

Lecture 17 - Generic Competitive Strategies - 1

Lecture 18 - Generic Competitive Strategies - 2

Lecture 19 - Ethics as a Strategy - 1

Lecture 20 - Ethics as a Strategy - 2

Lecture 21 - Sustainability as a Strategic Approach - 1

Lecture 22 - Sustainability as a Strategic Approach - 2

Lecture 23 - Environment and Strategy - 1

Lecture 24 - Environment and Strategy - 2

Lecture 25 - Internal Environment

Lecture 26 - Environmental Analysis - Resource Based Model

Lecture 27 - I/O Model, Resources, Capabilities, Core Competencies and Value Chain

Lecture 28 - Industry Life Cycle

Lecture 29 - Competition as Basis for Strategy Formulation and Red Ocean Strategy

Lecture 30 - Blue Ocean Strategy - 1

Lecture 31 - Blue Ocean Strategy - 2

Lecture 32 - Blue Ocean Strategy - 3

Lecture 33 - Blue Ocean Strategy - 4

Lecture 34 - Blue Ocean Strategy - 5

Lecture 35 - Strategic Entrepreneurship

Lecture 36 - Strategy for Value Creation

Lecture 37 - Strategy from Different Perspectives: Fortune at the Bottom of the Pyramid

Lecture 38 - Strategy from Different Perspectives: Capitalism at the Crossroads

Lecture 39 - Strategy from Different Perspectives: Sustainable Value Framework

Lecture 40 - Strategy from Different Perspectives: Development as Freedom

Lecture 41 - Designing Business Level Strategies

Lecture 42 - Designing and Strengthening Business Strategies

Lecture 43 - Corporate Level Strategy - 1

Lecture 44 - Corporate Level Strategy - 2

Lecture 45 - Designing Corporate Level Strategy

Lecture 46 - Designing and Strengthening Corporate Level Strategy

Lecture 47 - Strengthening Companyâ€™s Competitive Position - 1

Lecture 48 - Strengthening Companyâ€™s Competitive Position - 2

Lecture 49 - Mergers and Acquisitions - 1

Lecture 50 - Mergers and Acquisitions - 2

Lecture 51 - Corporate Governance - 1

Lecture 52 - Corporate Governance - 2

Lecture 53 - Corporate Governance - 3

Lecture 54 - Managing Internal Operations

Lecture 55 - Strategy Implementation

Lecture 56 - Strategy Evaluation

Lecture 57 - The Black Swan

Lecture 58 - ESG and SDG

Lecture 59 - Stop Predicting

Lecture 60 - Conclusion

NPTEL : NOC:AI in Product Management (Management)

Co-ordinators : Prof. Zillur Rahman

Lecture 1 - Introduction to Product management

Lecture 2 - Role of AI in Product Management - Part 1

Lecture 3 - Role of AI in Product Management - Part 2

Lecture 4 - Role of AI in Product Management - Part 3

Lecture 5 - AI-Powered Market Research

Lecture 6 - AI-Powered Market Research Tools

Lecture 7 - Analyzing Qualitative Data with AI

Lecture 8 - Enhancing Quantitative Research with AI

Lecture 9 - AI in Customer Sentiment Analysis

Lecture 10 - Predictive Analytics in Market Research

Lecture 11 - AI in Brainstorming and Idea Generation

Lecture 12 - Validating Ideas using AI

Lecture 13 - AI-Driven Prioritization

Lecture 14 - Integrating AI into Marketing Planning

Lecture 15 - Market And Category Analysis with AI

Lecture 16 - AI Tools for Customer Segmentation

Lecture 17 - Personalization Engines using AI

Lecture 18 - AI in Omni-Channel Customer Engagement

Lecture 19 - AI Driven Customer Journey Mapping

Lecture 20 - Introduction to Competitor Analysis using AI

Lecture 21 - Competitive Intelligence with AI

Lecture 22 - Competitor Monitoring using AI

Lecture 23 - Using AI to Predict Competitor Moves

Lecture 24 - Case Studies on AI in Competitor Analysis

Lecture 25 - Sales Forecasting Models using AI

Lecture 26 - AI Tools for Demand Planning

Lecture 27 - AI for Sales Strategy Development

Lecture 28 - AI in Sales Training

Lecture 29 - Risk Modeling and Scenario Analysis with AI

Lecture 30 - Strategic Planning with AI Insights

Lecture 31 - Positioning and Differentiation using AI

Lecture 32 - AI in Brand Management

Lecture 33 - Product Lifecycle Management with AI

Lecture 34 - Case Studies on AI in Product Strategy

Lecture 35 - Product-Led Growth using AI

Lecture 36 - New Product Development using AI - Part 1

Lecture 37 - New Product Development using AI - Part 2

Lecture 38 - Transforming New Product Development: The impact of AI - Part 1

Lecture 39 - Transforming New Product Development: The impact of AI - Part 2

Lecture 40 - AI in Go-To-Market Strategies

Lecture 41 - Price Optimization using AI - Part 1

Lecture 42 - Price Optimization using AI - Part 2

Lecture 43 - Price Optimization using AI - Part 3

Lecture 44 - Price Optimization using AI - Part 4

Lecture 45 - Price Optimization using AI - Part 5

Lecture 46 - Agile Development using AI

Lecture 47 - Roadmap Development using AI

Lecture 48 - AI for MVP (Minimum Viable Product) - Part 1

Lecture 49 - AI for MVP (Minimum Viable Product) - Part 2

Lecture 50 - AI-Powered Advertising - Part 1

Lecture 51 - AI-Powered Advertising - Part 2

Lecture 52 - AI in Channel Management

Lecture 53 - Distribution Optimization using AI - Part 1

Lecture 54 - Distribution Optimization using AI - Part 2

Lecture 55 - AI in Performance Monitoring

Lecture 56 - Revenue and profitability Analysis using AI

Lecture 57 - Benchmarking and Adjustments using AI

Lecture 58 - Customer support using AI

Lecture 59 - Challenges and Ethical Considerations

Lecture 60 - Future Trends in AI for Product Management

NPTEL : NOC:Operations and Revenue Analytics (Management)

Co-ordinators : Prof. Rajat Agrawal

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

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

NPTEL : Strategic Management (Management)

Co-ordinators : Prof. R. Srinivasan

Lecture 1 - Introduction to Strategic Management

Lecture 2 - Concept of Corporate Strategy

Lecture 3 - Strategic Management Process - 1

Lecture 4 - Strategic Management Process - 2

Lecture 5 - The 7-S Framework

Lecture 6 - Corporate Policy and Planning in India

Lecture 7 - Board of Directors - Role and Functions

Lecture 8 - Board of Directors - Role and Functions, Top Management - Role and Skills, Board Functioning - Indian Context

Lecture 9 - Board Functioning - Indian Context and Environmental Scanning

Lecture 10 - Environmental Scanning and Industry Analysis

Lecture 11 - The synthesis of External Factors and External Factors Analysis Summary (EFAS)

Lecture 12 - Internal Corporate Analysis and Impact Matrix

Lecture 13 - Value Chain Analysis

Lecture 14 - Synthesis of Internal Factors - 1

Lecture 15 - Synthesis of Internal Factors - 2

Lecture 16 - Internal Factors Analysis Summary (IFAS) and Case Study - 1

Lecture 17 - Case Analysis

Lecture 18 - Key Financial Ratios

Lecture 19 - Case Analysis - 2 and SFAS Matrix

Lecture 20 - Business Strategy

Lecture 21 - Corporate Strategy - 1

Lecture 22 - Corporate Strategy - 2

Lecture 23 - Corporate Strategy - 3 and Functional Strategy

Lecture 24 - Functional Strategy - 1

Lecture 25 - Functional Strategy - 2

Lecture 26 - Functional Strategy - 3 and Strategic Choice

Lecture 27 - Strategy Implementation - 1

Lecture 28 - Strategy Implementation - 2

Lecture 29 - Evaluation and Control

Lecture 30 - Strategic Information Systems - 1

Lecture 31 - Strategic Information Systems - 2

Lecture 32 - Other Strategic Issues - 1

Lecture 33 - Other Strategic Issues - 2

Lecture 34 - Small and Medium Enterprises

Lecture 35 - Non- Profit Organizations

Lecture 36 - Summary - 1

Lecture 37 - Summary - 2

NPTEL : Global Supply Chain Management (Management)

Co-ordinators : Prof. N. Viswanadham

Lecture 1 - Introduction to Global Supply Chain Networks Part - 1

Lecture 2 - Introduction to Global Supply Chain Networks Part - 2

Lecture 3 - Zara - fast fashion

Lecture 4 - The Supply Chain Eco-System Framework

Lecture 5 - Supply Chain Eco-System Framework: Supply Chains & Resources

Lecture 6 - Supply Chain Eco-System Framework: Delivery services & Institutions

Lecture 7 - Metro Cash and Carry

Lecture 8 - Performance Analysis

Lecture 9 - Supply Chain Risk - Part-1

Lecture 10 - Supply Chain Risk - Part-2

Lecture 11 - Supply Chain Risk - Part-3

Lecture 12 - Mattel Toy Recalls and Supply Chain Management

Lecture 13 - Innovation in Emerging markets

Lecture 14 - Innovations in Supply Chain Ecosystem

Lecture 15 - Indian Telecom and Bharti Airtel

Lecture 16 - CEMEX - Part-1

Lecture 17 - CEMEX - Part-2

Lecture 18 - Governance

Lecture 19 - Governance of networked organizations

Lecture 20 - The Orchestration Governance Model

Lecture 21 - Orchestration-Examples

Lecture 22 - Li & Fung - Part-1

Lecture 23 - Li & Fung - Part-2

Lecture 24 - Supply Chain Design - Part-1

Lecture 25 - Supply Chain Design - Part-2

Lecture 26 - Green supply chain design - Part-1

Lecture 27 - Green supply chain design - Part-2

Lecture 28 - Green Supply Chain Ecosystem Analysis

Lecture 29 - GRIP Framework

Lecture 30 - Location Selection

Lecture 31 - Ecosystem Aware Location Analysis

Lecture 32 - Food supply chain in India

Lecture 33 - Food supply chain ecosystem - Grip frame work

Lecture 34 - Food Security in India

Lecture 35 - Smart Villages and Cities - Part-1

Lecture 36 - Smart Villages and Cities - Part-2

Lecture 37 - Overview of the Course

Lecture 38 - How to use the Video lectures

NPTEL : NOC:Integrated Marketing Management (Management)

Co-ordinators : Prof. R. Srinivasan

Lecture 1 - Evolution of Marketing

Lecture 2 - Marketing Management

Lecture 3 - Marketing in India

Lecture 4 - Role of Marketing

Lecture 5 - Case Analysis

Lecture 6 - Case Analysis

Lecture 7 - Case of Suryodaya

Lecture 8 - Marketing System

Lecture 9 - Input-Output Map

Lecture 10 - Competition

Lecture 11 - Consumer Behaviour Model

Lecture 12 - BCG Matrix, Strategic Marketing

Lecture 13 - Marketing Strategy

Lecture 14 - Market Segmentation, VALS Model

Lecture 15 - Sales Function and Marketing Mix

Lecture 16 - B-B Markets, Macro Environment

Lecture 17 - Analytical Marketing System

Lecture 18 - Decision Models

Lecture 19 - E-Business

Lecture 20 - Market Demand, Concept Testing

Lecture 21 - Product, Product Mix, PLC

Lecture 22 - PLC (Continued...)

Lecture 23 - Pricing Strategies

Lecture 24 - Brands, Channels

Lecture 25 - Channel Management, Marketing Communication

Lecture 26 - Advertising, Marketing Organisation

Lecture 27 - Role of Product Manager, Industrial Buying

Lecture 28 - Sales Forecasting, Marketing Control

Lecture 29 - Marketing Expense Analysis

Lecture 30 - Toyota Strategy

Lecture 31 - Cafe Coffee Day(CCD)

Lecture 32 - CCD (Continued...)

Lecture 33 - I flex (OFSS)

Lecture 34 - OFSS

Lecture 35 - Oilseeds Growers Cooperative Society (OGCS)

Lecture 36 - OGCS

NPTEL : NOC:Strategic Management - The Competitive Edge (Management)

Co-ordinators : Prof. R Srinivasan

Lecture 1 - Long Range/Strategic Planning

Lecture 2 - Purpose, Mission, Goals

Lecture 3 - Different types of Strategies

Lecture 4 - Different types of Strategies

Lecture 5 - Strategic Management Process (SMP)

Lecture 6 - Modes of Strategic decisions

Lecture 7 - 7-S Frame work

Lecture 8 - Director, powers

Lecture 9 - Functions of BoD

Lecture 10 - Responsibilities of Business

Lecture 11 - Taxonomy of Company Environment

Lecture 12 - Competitive Landscape

Lecture 13 - Global Uncertainty Internal Corporate Analysis

Lecture 14 - Industry structure, Competitor Analysis

Lecture 15 - Firm's value chain

Lecture 16 - Key factors of Success, Porter's Industry Competition Model

Lecture 17 - S and W Profile Analysis

Lecture 18 - Competitive Advantage(CA), IFAS,SFAS

Lecture 19 - Case Analysis

Lecture 20 - Case Analysis (Continued...)

Lecture 21 - Case Study - 1

Lecture 22 - Case Study - 2

Lecture 23 - Business Strategy

Lecture 24 - BEA, Doom Loops, Corporate Strategy, Portfolio Analysis

Lecture 25 - Corporate Strategy, Display Matrices

Lecture 26 - Display Matrices

Lecture 27 - Display Matrices

Lecture 28 - National Diamond

Lecture 29 - Functional Strategy

Lecture 30 - Strategic Choice

Lecture 31 - Stage I, II, III, IV organizations

Lecture 32 - Risk, Corporate Diversification

Lecture 33 - Mergers and Acquisitions

Lecture 34 - Model for Evaluation

Lecture 35 - Rewards

Lecture 36 - Technology Road Map

Lecture 37 - IT and Strategy, R&D Strategy

Lecture 38 - Summary