

SYLLABUS

MBA

(Regular 2 Years Semester System Program)



Biju Patnaik University of Technology, Orissa
Rourkela

COURSE STRUCTURE – MBA (SEMESTER SYSTEM)

Code No.	Subject	Credit	Hours	Full Mark
Semester:1				
MBA-101	Organization Structure & Management	4	45	100
MBA-102	Organizational Behaviour	4	45	100
MBA-103	Managerial Economics	4	45	100
MBA-104	Quantitative Techniques	4	45	100
MBA-105	Basic Financial Accounting	4	45	100
MBA-106	IT for Managers	3	35	100
MBA-107	IT Lab	2	30	50
MBA-108	Communicative English	3	35	100
MBA-109	Communicative English (Lab)	2	30	50
		30	355	800
Semester:2				
MBA-201	Marketing Management	4	45	100
MBA-202	Financial Management	4	45	100
MBA-203	Human Resource Management	4	45	100
MBA-204	Production and Operation Management	4	45	100
MBA-205	Research Methodology & SPSS	3	35	100
MBA-206	Business Environment & Sustainable Devt.	3	35	100
MBA-207	MIS & ERP	3	35	100
MBA-208	Business Communication	3	35	100
MBA-209	Business Communication (Lab)	2	30	50
MBA-210	MIS & ERP (Lab)	2	30	50
MBA-211	Research Methods & SPSS (Lab)	1	15	50
		33	395	950

Semester:3				
MBA-301	Cost and Management Accounting	4	45	100
MBA-302	Banking & Insurance Management	4	45	100
MBA-303	Business & Corporate Law	3	35	100
MBA-304	Entrepreneurship & Management of SME	3	35	100
MBA-305	Elective-I	4	45	100
MBA-306	Elective-II	4	45	100
MBA-307	Elective-III	4	45	100
MBA-308	Elective-IV	4	45	100
MBA-309	Summer Project Presentation & Viva	4		100
		34	340	900
Semester:4				
MBA-401	Business Ethics & Corporate Governance	3	35	100
MBA-402	Strategic Management	3	35	100
MBA-403	Elective-V	4	45	100
MBA-404	Elective-VI	4	45	100
MBA-405	Elective-VII	4	45	100
MBA-406	Elective-VIII	4	45	100
MBA-407	Comprehensive Viva	4		100
		26	250	700
	TOTAL	123	1340	3350

ELECTIVES

3rd Semester	Elective-I (Choose one paper from the following)	
	MBA-305A	Consumer Behaviour

	MBA-305B	Project Appraisal
	MBA-305C	Human Resource Planning
	MBA-305D	Software Management
	MBA-305E	Technology Management
3rd Semester	Elective-II (Choose one paper from the following)	
	MBA-306A	Sales & Distribution Management
	MBA-306B	Financial Services
	MBA-306C	Compensation Management
	MBA-306D	E-Business
	MBA-306E	Total Quality Management
3rd Semester	Elective-III (Choose one paper from the following)	
	MBA-307A	Services Marketing
	MBA-307B	Security Analysis & Portfolio Management
	MBA-307C	Performance Management
	MBA-307D	Networking Management
	MBA-307E	Project Operations and Management
3rd Semester	Elective-IV (Choose one paper from the following)	
	MBA-308A	Product & Brand Management
	MBA-308B	Taxation Management
	MBA-308C	Human Resource Development
	MBA-308D	Computer Aided Management
	MBA-308E	Innovation and R & D Management
4th Semester	Elective-V (Choose one paper from the following)	
	MBA-403A	Integrated Marketing Communication
	MBA-403B	Derivatives and Risk Management
	MBA-403C	Employment Legislations

	MBA-403D	System Analysis & Design
	MBA-403E	Materials Management
4th Semester	Elective-VI (Choose one paper from the following)	
	MBA-404A	Retail Management
	MBA-404B	Strategic Financial Management
	MBA-404C	Organizational Change and Development
	MBA-404D	Data Base Management
	MBA-404E	Supply Chain Management
4th Semester	Elective-VII (Choose one paper from the following)	
	MBA-405A	Rural and Agricultural Marketing
	MBA-405B	International Financial Management
	MBA-405C	Industrial Relations
	MBA-405D	Information Security And Cyber Law
	MBA-405E	Service Operations Management
4th Semester	Elective-VIII	(Choose one paper from the following)
	MBA-406A	International Marketing
	MBA-406B	Financial Institutes & Financial Markets
	MBA-406C	Cross Cultural & Global HRM
	MBA-406D	Object Oriented Program with Java
	MBA-406E	Management of Physical Assets

Area specialization Matrix:

There shall be 5 functional management areas in the 3rd and 4th semester as specializations as under:

	Marketing	Finance	HR	IT	Operations
3rd Sem					
Elective-I	Consumer Behaviour	Project Appraisal	Human Resource Planning	Software Management	Technology Management
Elective-II	Sales & Distribution Management	Financial Services	Compensation Management	E-Business	Total Quality Management
Elective-III	Services Marketing	Security Analysis & Portfolio Management	Performance Management	Networking Management	Project Operations and Management
Elective-IV	Product & Brand Management	Taxation Management	Human Resource Development	Computer Aided Management	Innovation and R & D Management
4th Sem					
Elective-V	Integrated Marketing Communication	Derivatives and Risk Management	Employment Legislations	System Analysis & Design	Materials Management
Elective-VI	Retail Management	Strategic Financial Management	Organizational Change and Development	Data Base Management	Supply Chain Management
Elective-VII	Rural and Agricultural Marketing	International Financial Management	Industrial Relations	Information Security And Cyber Law	Service Operations Management
Elective-VIII	International Marketing	Financial Institutes & Financial Markets	Cross Cultural & Global HRM	Object Oriented Program with Java	Management of Physical Assets

Choice of Electives:

All the students have to choose **eight elective papers** in both the semesters in 2nd year. Detail modality of choices and award of specialization for such options are as stated below:

OPTION-I (Dual Specialization)

i. A student can select any one combination comprising two streams of functional management areas as follows:

- Finance and Marketing;
- Finance and HR;
- Finance and IT;
- Finance and Operation;
- Marketing and HR;
- Marketing and IT;
- Marketing and Operation
- HR and IT and
- HR and Operation.
- Operation and IT

ii. Now, he / she may choose 4(four) papers each from these two streams out of 8 (eight) papers offered in both the semesters in each such functional management area.

For Example,

Suppose a candidate opts for the combination of Finance and Marketing, he may take 4 papers from Finance and 4 papers from Marketing which may spread over both the 3rd and 4th semesters in 2nd year.

Under this situation, he/she shall be said to have opted for dual specializations. After successful completion of the course, he shall be considered pass with dual specializations. The grade sheet shall reflect the same.

OPTION-II (Single Specialization)

A student may opt for only one stream of functional management as specialization. In this case he has to select at least four papers from that particular stream of functional management and rest papers from other areas of functional Managements. Under such situation, he is said to have opted for single specialization. The grade sheet shall reflect only one specialization.

The college authority shall notify the combinations at the start of the 3rd semester that would be made available to students considering their own resources and facilities. Each and every student has to register the stream of functional management area(s) and papers he/ she would like to opt at the start of the academic session.

Important Note: If minimum 10 students opt for a particular elective paper in 3rd and 4th semester at the college level, then it may be offered in the college and students may be allowed for registration of the same.

The teaching methodology in core and elective papers should emphasize on case study approach wherever appropriate with cases being of recent origin. **The students should note that the case analysis would be a compulsory question in the end term examination of each paper.**

1st Year MBA

1st Semester

MBA-101	Organization Structure & Management Process
MBA-102	Organizational Behaviour
MBA-103	Managerial Economics
MBA-104	Quantitative Techniques
MBA-105	Basic Financial Accounting
MBA-106	IT for Managers
MBA-107	Communicative English
MBA-108	Communicative English (Lab.)
MBA-109	IT Lab

MBA-101: ORGANIZATION STRUCTURE & MANAGEMENT PROCESS

Module - I : Management and Nature of Organization

Introduction: Nature, purpose and functions, level and types of Managers, Managerial Roles, Essential Managerial Skills, Key personal characteristics for Managerial success. Evolution and various schools to management thoughts.

Nature of Organisation- Proprietorship, Partnership, Co-operatives and Statutory Corporations, Companies-Concepts of holding and subsidiary companies, Comparison and Choice of structures, Features of International Organisations and Multi-national Companies.

Module - II : Planning and Decision Making

Meaning and nature of planning, types of plans, steps in planning process; Objectives: meaning, setting and managing objectives – MBO method: concept and process of managing by objectives; Strategies: definition, levels of strategies, its importance in an Organization; Policies: meaning, formulation of policies; Programs: meaning, nature; Planning premises: concept, developing effective planning premises; Decision making, steps in decision making, approaches to decision making, types of decisions and various techniques used for decision making, Nature and process of controlling, Techniques of controlling.

Module - III : Organizing:

Organizing as Managerial Function – organization structure, formal and informal organization. Traditional Organization Structures – Functional, Divisional and Matrix Structure. **Directions in organizational Structures** – Team structure, network structure, boundary less structure. **Organizing Trends and Practices** – Chain of command, unity of command, span of control, delegation and empowerment, decentralization and use of staff, organizational design and organizational configuration.

Leading as a function of management, Leadership and vision, Leadership traits, classic Leadership styles, Leaders behaviour – Likert's four systems, Managerial Grid. Overlapping role of leader and managers.

Case analysis compulsory

Recommended Books:

1. Management Text and Cases, VSP Rao & V. Harikrishna, Excel.
2. Management , Robbins, Coulter & Vohra, Pearson.
3. Management Principles & Applications, Ricky W. Griffin, Cengage.
4. Business Organization & Management, C.R. Basu, TMH
5. Business Structure and Processes, Appannaiha et all, HPH.
6. Essentials of Management, Koontz and Weihrich, TMH
7. Business Organization & Management, M.C. Shukla, S. Chand.
8. Principles of Management, Gupta, PHI
9. Management Principles, Processes & Practices, Bhat Kumar, Oxford.
10. Principles and Practices & Management –L.M Prasad, Sultan Chand.

MBA-102: ORGANIZATIONAL BEHAVIOUR

Module - I :

Organizational behavior:

Introduction, goals, elements, scope and historical development of Organizational Behaviour, fundamental concepts, contributing disciplines to OB, Models of OB, social systems and organizational culture, international dimensions of organizational behaviour, limitations of Organizational behaviour, the future of OB

Module - II :

Individual behaviours: Introduction, foundation of individual behavior:

Personality: determinants, personality traits, types, from concepts to skills, theories, instruments to measure personality, personality attributes influencing OB.

Perception: factors influencing perception, theories, perceptual errors.

Emotions: types of emotions, determinants, emotional labour, emotional intelligence.

Attitudes: sources of attitudes, types of attitudes, cognitive dissonance theory, from concepts to skills, changing attitudes, work related attitudes.

Values: importance of values, sources of our value systems, –types of values, loyalty and ethical behavior.

Learning: theories of learning - some specific organizational applications.

Theories of Motivation.

Module - III :

Behaviour in the organization: Introduction, Issues between organizations and individuals.

Interpersonal behaviour: Conflict in Organizations: nature of conflict, levels of conflict, conflict management styles.

Group dynamics: types of groups, meetings, teamwork, stages of group formation.

Employee stress: forms, causes, implications, approaches to stress management.

Case analysis compulsory

Recommended Books:

1. Organizational Behaviour, K. Awathappa, HPH.
2. Organizational Behaviour, Robbins, Judge, Sanghi, Pearson.
3. Organizational Behaviour, VSP Rao, Excel
4. Introduction to Organizational Behaviour, Moorhead, Griffin, Cengage.
5. Understanding Organizational Behaviour, Parek, Oxford
6. Organizational Behaviour, Hitt, Miller, Colella, Wiley
7. Behaviour in Organizations, Greenberg, Baron, PHI
8. Organizational Behaviour, M Parikh, R Gupta-TMH
9. Cases in Organizational Behaviour & HRM, Saiyadain-Sodhi-Joshi, TMH
10. Organizational Behavior, Khanka, S.Chand
11. Organisational Behaviour, Gupta, Joshi, Kalyani

MBA-103: MANAGERIAL ECONOMICS

Module - I : Introduction & Demand and Production Analysis :

Introduction to Managerial Economics, Use of Economic models in Decision making, Specifications of the model, Demand Analysis for decision making, Demand Schedule and demand function, Elasticity of Demand, Demand forecasting, Production Analysis, production Function, One Variable input Production function and two variable Input production function. (Simple numerical problems be solved)

Module - II : Cost & Pricing Analysis

Various Cost concepts, Cost Functions – Short run Cost Functions and its Empirical Estimation, Long run Cost Function, Economies of scale and economies of scope. Price and Output decision under perfect Competition, Monopoly, Monopolistic Competition and Oligopoly. Descriptive pricing approaches: full cost pricing, product pricing. Pricing strategies : price skimming, penetration pricing and loss leader pricing. (Simple numerical problems be solved)

Module - III : Macro Economic Analysis of Managerial Decisions

Meaning and Nature of Macro Economics; Circular Flow of income, the concept of GDP, GNP, Concepts of Consumptions, Savings and Investment. Business Cycles : Consequences and Measures to solve the Problems of Business Cycles, Inflation.

CASE ANALYSIS COMPULSORY

Recommended Books:

1. Managerial Economics, Geetika Ghosh, Roy Choudhury, (2nd Edition)TMH.
2. Managerial Economics, Keat, Young, Banarjee, Pearson.
3. Managerial Economics, Theory & Applications, D.M. Mithani, HPH.
4. Managerial Economics, An Integrative Approach, Mark Hirschey, Cengage.
5. Managerial Economics, Salvatre/Srivastava, Oxford.
6. Managerial Economics, analysis of managerial decisionmaking, H.L. Ahuja, S. Chand.
7. Managerial Economics, D.N. Dwivedi, Vikas.
8. Managerial Economics, PLMehta, Sultan Chand and Sons

MBA-104: QUANTITATIVE TECHNIQUES

Module - I

Introduction to Linear Programming Problems, Formulation of Linear Programming Problems, General statement and assumptions underlying Linear Programming, Graphical method for solution of LPP. Simplex method for solution of LPP, Solution of maximization and minimization problems, Big-M method, Two phase method, Unbounded and degenerate solution of LPP, Duality in Linear programming. Introduction to transportation problems, North-West corner rule, Least cost method, Vogel's approximation method for obtaining initial feasible solutions, Stepping stone and MODI method to get optimal solution, Transshipment problem.

Module - II

Introduction to Assignment problems, Hungarian method to solve assignment problems, Unbalanced assignment problems, Constrained assignment problems. Introduction to sequencing problem, Solution to sequencing problems, Gantt chart, Johnson's rule. Introduction to replacement theory, Replacement policy for equipments which deteriorates gradually and fail suddenly. Introduction to game theory, Game models, Two persons zero sum games and their solution, solution of $2 \times n$ and $m \times 2$ games by graphical approach, Solution of $m \times n$ games.

Module - III

Introduction to decision theory, One stage decision making problem, multi stage decision making problem, utility theory. Introduction to Markov process, Markov analysis: input and output. Introduction to forecasting problems, Time series models for forecasting. Introduction to simulation, Process of simulation, Monte Carlo simulation, Simulation of inventory system, simulation of queuing system.

CASE ANALYSIS COMPULSORY

Recommended Books:

1. Quantitative Techniques in Management, Vohra - TMH
2. Quantitative Analysis for Management, Rendey, Staiv, Hanna, Badri- Pearson.
3. Quantitative Techniques for Managerial Decisions, J.K.Sharma, McMillan
4. Quantitative Techniques, K.S.Bhatt, HPH
5. An Introduction to Management Science, Anderson, Sweeney, Williams- Cengage
6. Operation Research, Ravindram, Philips, Solberg- Wiley.
7. Quantitative Techniques, C.R. Kothari, Vikas.
8. Operation Research, Winston, Cengage.
9. Operation Research, Tripathy, Kalyani.

MBA-105: BASIC FINANCIAL ACCOUNTING

Module - I : ACCOUNTING

Importance & scope of accounting, Accounting concepts & conventions, Accounting Standards, IFRS, Accounting equations, Users of accounting statements.

Preparation of Books of Original Records: Journals, Subsidiary books, Ledgers & Trial balance.

Preparation of Final Accounts / Statements: Basic adjustments, , Preparation of financial statements.

Depreciation Fixed Asset Accounting, Inventory valuation.

Students should learn application of Tally package.

Module - II : CORPORATE ACCOUNTING

Accounting of Joint Stock Companies: Overview of Share Capital and Debentures, Accounting for Issue and forfeiture of Shares, Issue of Bonus Share. Issue of Debentures, Financial Statements of Companies: Income Statement and Balance Sheet in Schedule VI.

Provisions of the Companies Act: Affecting preparation of Financial Statements, Creative Accounting, Annual Report, Presentation and analysis of Audit reports and Directors report. (Students should be exposed to reading of Annual Reports of Companies both detailed and summarized version).

Module - III : FINANCIAL PERFORMANCE MEASUREMENT

Funds Flow & Cash Flow Statement: Preparation & Analysis. Financial Statement Analysis. Analysis of Financial Performance of a firm ; Use of Different Tools, Ratio Analysis – Different Types of Ratios.

CASE ANALYSIS COMPULSORY FOR EACH MODULE.

Recommended Books:

1. Financial Accounting for Management, Ambrish Gupta, Pearson
2. Financial Accounting for Management, D Khatri, TMH
3. Accounting for Management, M.N.Arora, HPH
4. Financial and Management Accounting, Satpathy/Sahoo, Vrinda
5. Financial Accounting: A Managerial Perspective, R. Narayan Swamy, PHI
6. Financial Accounting, Warren, Reeve, Cengage
7. Basic Financial Accounting for Management, Shah, Oxford
8. A New Approach to Financial Accounting, Bal/Sahu/Das, S. Chand
9. Financial Accounting, Jain/Narang/Agarwal, Kalyani
10. Financial Accounting for Managers, T.P.Ghosh, Taxman.
11. A Text Book of Accounting for Management, Maheswari, Vikas

MBA-106: IT FOR MANAGERS

Module - I: Role of Computer in modern business and in various functional areas of business and its applications. **Concept of Computers:** Brief History of computer, Generation and its evolution (now and then), Classification, Characteristics and limitations of computers. Basic computing Architecture, CPU and its components. **Components** : Software, Hardware, Firmware, Input/output devices, Storage Units (CD, DVD, Hard Disks, Pen drive), Memory types (RAM, ROM, Cache). **Operating Systems:** Functions, Process Management: Multi-programming, Multi-processing, Multi-tasking, Multi-threading, Real time OS; Memory Management: virtual memory; User Interface: Shells, GUI, etc; File system. Measuring Computer Performance through Benchmarks.

Evolution of programming language, Classification, Features and selection of programming language. **Software** – Definition, Relation with Hardware. Software categories- System Software (Home edition, Professional edition, Enterprise edition), Application Software: types of application software, Graphics and multimedia concepts, Algorithm Definition and properties.

Module - II: Database Management Systems

Concept of files, file management; organization and types of Access, Drawbacks in file based system. Database; types of Database, components of a Database system. DBMS, components of DBMS; DBMS language, Advantage and limitations of Database, Database models, Advanced Database: Distributed, Object oriented Database, Multimedia Database systems, Mobile Databases.

Module - III: Basic concepts of Computer Networks, Internet and Security.

Introduction to Networks: LAN, MAN, WAN, Topology, Data Communication, Transmission Media, Network Devices: Hubs, Switches, routers, repeaters. Introduction to Communication Protocol: TCP/IP, OSI model, Communication Connectivity: DSL, Dial-up, Broad Band. **Internet and its Applications:** Evolution of Internet, Basics of working of Internet, Service Providers, E-mail, Telnet, FTP, WWW. **Internet Security:** Types of attacks, DOS attacks, Viruses and Worms, Identity Theft, Snooping and Sniffing. Cyber Law and Internet security Legislation.

Recommended Books:

1. Information Technology for Managers, Sudalaimuthu & Hariharan, HPH
2. Understanding Computers Today & Tomorrow, D.Monley & CS Parker, Cengage/Thomson
3. Introduction to Computer Science, ITL Education Solutions Ltd, Pearson
4. Information Technology, Dr Sushila Madan, Taxmann

MBA-107: COMMUNICATIVE ENGLISH

Module - I Basics of Communication

- 1.1 Communication elements and process
- 1.2 Need of Communication Skills for Managers
- 1.3 Channels, forms and dimensions of communication
- 1.3 Verbal and non-verbal communication
- 1.4 Barriers to communication and how to overcome the barriers
- 1.5 Principles of effective communication
7 C's of Communication
Clarity, Completeness, Coherence Conciseness, Credibility, Correctness, Continuity
- 1.6 Avoidance of Ambiguity, Jargon, Cliches

Module - II Language and Communication

- 2.1 Plain English and simple expressions, foreign words and their plain alternatives
Indianised and standard English
- 2.2 The importance of communication through English at the present time,
- 2.3 The Sounds of English
- 2.4 Stress and Intonation
- 2.5 The importance of the four skills (listening, speaking, reading and writing) and strategies for developing the skills.
Listening: barriers, strategies for improving listening skills
Speaking : the characteristics of effective speech : voice quality, rate of speaking, clear articulation, eye contact, use of expressions, and gestures and posture.
Reading : developing reading skills and strategies, skimming and scanning ; predicting, guessing, inferring ; reading critically, taking notes.
Writing : the characteristics of effective writing ,clear organization and structuring of ideas, summarizing, clarity of language, stylistic variation .
- 2.6 Biasfree English
- 2.7 Formal and informal language use

Module - III: Review of English Grammar

- 3.1 English verbs
- 3.2 Tense and time& Aspect
- 3.3 Modals
- 3.4 Voice
- 3.5 Negation
- 3.6 Interrogation; reported and tag questions
- 3.7 Preposition
- 3.8 Conditionals
- 3.9 Phrasal verbs
- 3.10 Parallel structure
- 3.11 one word substitutes and proverbs
- 3.12 Modifiers

Recommended Books:

1. An introduction to Professional English and Soft Skills: Das et al, BPUT Text Book. CUP.
2. Communicative English, Rai & Rai, HPH
3. Better English Pronunciation, J.D.O.Conuor (Cambridge)
4. A University Grammer of English , Quirk et al, Pearson
5. Foundations of Business Communication, Dona J. Young, TMH
6. Communicative Skills, Leena Sen, PHI
7. Oxford Writing & Speaking English- Sealy – OUP
8. Communicative English, Mohapatra, Dash, Kalyani

MBA-108: COMMUNICATIVE ENGLISH SKILLS – LAB

Lab sessions will be used to provide practice activities based on the content of all three modules of theory.

Module - I

Understanding the need of Communication Skills for Managers and the importance of effective communication through different social/work-related situations and role-play activities, Recognizing the barriers through case studies related to organizational communication Role plays to understand nonverbal communication and activities to identify effective use of body language, paralanguage and spatial communication.

Module - II

Phonemic transcription using IPA symbols.

- i . transcription of words and short sentences in normal English orthography (writing) into their IPA equivalents ;
- ii. transcription of words presented orally ;
- iii . conversion of words presented through IPA symbols into normal orthography
- iv . syllable division and stress marking (in words presented in IPA form)

Listening exercises

- i. listening with a focus on pronunciation (ear-training) : segmental sounds, stress, weak forms, intonation, listening the dictations
- ii listening for meaning (oral comprehension) : listening to talks, lectures, conversations, discussions, jokes, riddles etc.

Speaking exercises

- i pronunciation practice (for accent neutralization), particularly of problem sounds, in isolated words as well as sentences
- ii practicing word stress, rhythm in sentences, weak forms, intonation, common every day
Expressions, meeting, greeting, taking leave, intervening, requesting, refusing...etc
- iii reading aloud of dialogues, poems, excerpts from plays, speeches etc. for practice in pronunciation
- iv speaking briefly on topics of interest ; taking part in debates and group discussions

Reading exercises

Reading and comprehension of the texts supported by suitable exercises

Use of Dictionary,

Note making after reading a text, showing the main idea and supporting ideas and the relationships between them

Writing exercises

Practice in writing paragraphs, short essays and summaries, idea building, creative writing

Module III

Developing correctness in speech as well as writing

Practice exercises on the common grammatical errors,

Remedial measures to focus on correct use of English verbs, Tense, Aspect, Voice, Negation, Interrogation, Phrasal verbs, parallel structure, one word substitutes, proverbial expressions and Modifiers, prepositions, modal exercises & conditionals

Lab Tests:

1st Lab test 15 marks. (Listening, Speaking)

2nd Lab test 15 marks. (Reading and Writing)

3rd Lab test 20 marks (Verbal and Non verbal communication ability). The faculty concerned shall assign caselets related to communication in the business world to the students who shall make analysis of the same and present in the classroom. This may be given as an individual or group assignment.

MBA-109: IT Lab

1. Introduction to OS and Office Software.
Additional features of
 - a. Windows XP
 - b. Windows-7
 - c. Server 2003
 - d. Windows 8 Server
2. Internet Basics, Types of Connection, Internet Protocol, IP Address, Connectivity to Internet, WI-Fi Connectivity.
3. Google Search Tricks and Techniques
4. Working with Google Services: Docs, Spreadsheet, presenter, sites, etc.
5. Introduction to Oracle or MySQL.
6. Learning Basic DDL and DML commands.
 - a. Create, Alter, Drop, Truncate, View commands.
 - b. Insert, Select, Update, Delete commands.
7. UNIX / LINUX structure, UNIX/LINUX commands
Common commands, Practice Session (MKDir, CD, PWD, LS, MAN, CP, MV, RM, Delete, RMDir, Cat)
8. Working with Gnome: editor (gedit), file explorer (nautilus), working with office applications (openoffice).

1st Year MBA

2nd Semester

MBA-201	Marketing Management
MBA-202	Financial Management
MBA-203	Human Resource Management
MBA-204	Production & Operation Management
MBA-205	Research Methodology & SPSS
MBA-206	Business Environment & Sustainable Dev.
MBA-207	MIS & ERP
MBA-208	Business Communication
MBA-209	Business Communication (Lab)
MBA-210	MIS & ERP (Lab)
MBA-211	Research Methodology & SPSS (Lab)

MBA-201: MARKETING MANAGEMENT

Module - I

Concepts of Marketing and market, Marketing Mix, Product, Price, Promotion, Place, Product: Product concept, Product classification, New Product Development, Product life cycle, Product mix decision, Branding, Packaging, Labelling decisions, Service as a product, Price: objective of pricing, Pricing policies, Pricing methods.

Price: Objective of pricing, Pricing policies, Pricing methods.

Promotion: Advertising, Sales promotion, Personal selling, Public relation, Publicity and propaganda.

Place: Marketing channels, vertical and horizontal integration, Channel conflict management, Distribution system and Logistic Management.

Module - II

Marketing environment, Marketing planning and control, Segmenting (Demographic and Psychographic) targeting, Positioning (STP), Marketing research and forecasting, Marketing Information System value proposition.

Module - III

Role of consumers, Consumer Decision making process, Factors influencing consumer decision making, Special topics in Marketing: Green marketing, Relationship Marketing, societal Marketing, Guerrilla Marketing, Online Marketing, Mega marketing, Database marketing.

CASE ANALYSIS COMPULSORY

Recommended Books:

1. Marketing Management, Kotler, Keler, Koshi, Jha, Pearson
2. Marketing Management, Ramaswamy, Namakumar, McMillan
3. Marketing, Etzel/Walker/Standtom/Pandit, TMH
4. Marketing Management, Karunakaran, HPH
5. Marketing Management, Evans/Berman, Cengage
6. Marketing Management, Govind Rajan, PHI
7. Marketing Management- Text & Cases, Kazmi, Excel
8. Marketing Management Text & Cases, Lal, TMH

MBA-202: FINANCIAL MANAGEMENT

Module - I

Financial Management : Introduction to finance Fundamental principles objectives of financial management – profit maximization and wealth maximization. Functions of Financial Management.

Time value of Money; Compounding and Discounting. Risk and Return – Risk & Return, Measurement of Risk

Sources of Finance : (Short Term and Long Term)

Module - II

Investment decisions : Capital Budgeting- Investment evaluation techniques; Estimation of cash flow for new project, replacement projects, Risks in capital budgeting, Sensitivity Analysis, Decision Tree Analysis.

Cost of Capital: Factors affecting cost of capital, Retained Earnings, WACC.

Capital structure decisions: Theories of Capital Structure, Designing Capital Structure, **Leverages**: Determination of operating leverage, financial leverage and total leverage, Leverage and Financial Distress

Dividend policy: Relevance and Irrelevance Theories of Dividend, Factors affecting the dividend policy, Alternative Forms of Dividend.

Module - III

Working Capital Management : Factors influencing working capital requirements, Current asset policy and current asset finance policy. Determination of operating cycle and cash cycle. Estimation of working capital requirements of a firm. Cash budgeting, long term cash forecasting, optimal cash balance, investment of surplus fund. Inventory Management-need for inventory, order quantity-EOQ model, monitoring and control of inventory, Receivables Management-Meaning and objective, cost and benefit of receivable management, factors influencing the size of investment in receivables, credit evaluation of individual accounts, monitoring accounts receivable

CASE ANALYSIS COMPULSORY

Recommended Books:

1. Financial Management, I.M. Pandey, Vikas
2. Financial Management, Kapil, Pearson
3. Fundamentals of Financial Management, Brigham & Houston, Cengage
4. Financial Management, Prasanna Chandra, TMH
5. Financial Management, Reddy, HPH
6. Financial Management, Srivastav, Misra, Oxford
7. Financial Management, Shashi K Gupta, R.K. Sharma, Kalyani
8. Financial Management, Tulsian, S. Chand
9. Financial Management, Rustagi, Taxman

MBA-203: HUMAN RESOURCE MANAGEMENT

Module - I

Concept, Nature, scope and objectives of Human Resource Management, HRM : The challenges – Environmental, Organizational and Individual, Human Resource Planning, Job analysis, recruitment- sources, concept and objectives, Selection: Concept, Procedure and cost benefit analysis of selection, Induction, career planning, Bases of Promotion, Transfer, Separations, Outplacement and Outsourcing HR. Emerging trends of HRM in globalized economy and cross-cultural environment.

Module - II

Training & Development-Concept, Training needs assessment, Types of training programmes: on-the-job and off-the-job, ROI of training, metrics for evaluation of training programme, Performance Appraisal- Objectives, Uses and Methods- Traditional and Modern methods (Assessment and Development Centres, 360⁰ Appraisals), Problems of Performance Appraisal, Legal issues in Performance Appraisal. Classification of Employees and Conceptual differences in Compensation Systems. Concept of Wages & Salary, Components of Wages, Method of Wage Determination, Methods of Wage Payment, Wage Differentials, Job Evaluation.

Module - III

Industrial Relations: Concept and Approaches to Industrial Relations, Unitary, Plurastic and Radical Approach, Industrial Relations System, Overview of International HRM: Selection, Compensation, Training & Development, Patriation and Repatriation.

Recommended Books:

1. Human Resource Management, VSP Rao, Excel Books
2. Human Resource Management, Duraj, Pearson
3. Personnel & Human Resource Management, P. Subba Rao, HPH
4. HRM Text & Cases, Aswathappa, TMH
5. HRM, Snell, Bohlander, Vohra; Cengage
6. Managing Human Resources, Gomez, Balkin, Cardy, PHI
7. Human Resource Management, Jyoti, Venkates, Oxford
8. Human Resource Management, Khanka, S.Chand
9. HRM- a case study approach, Muller Camen, Jaico

MBA-204: PRODUCTION AND OPERATIONS MANAGEMENT

Module - I Overview of Production & Operations Management, Work Study

Introduction , Responsibilities of Production Manager, Strategic Decisions in Operations, Manufacturing Vs. Service Operation, Types of Production processes (Project/Job, Batch, Mass/Line , Continuous), Concept of FMS(Flexible Manufacturing System), Vertical integration, Productivity & Factors affecting productivity, Role of Production, Planning & Control (PPC), New Product Development & Process Design, Learning Curve, Introduction of Work Study, Method study Procedure, Principles of Motion Economy, Stop Watch Time Study Procedure, Importance of Rating & Allowances in Time Study, Pre-determined Time Standard (MTM).

Module - II Aggregate Planning, Capacity Planning and Project Management, Scheduling, Maintenance Management

Aggregate Planning: Relevant cost; Evaluation of strategic alternatives (Level, Chase and Mixed), Types of capacity, Economics and Diseconomies of scale, Developing capacity alternatives. Project Management: Basic concept, Network principles-CPM, PERT, Crashing, Sequencing, 2 and 3 Machine cases: Johnson's Rule, Job shop Scheduling: Priority dispatching Rules, Importance of Maintenance, Breakdown, Preventive, Predictive and TPM(Total Productive Maintenance), Basic concept of Reliability.

Module - III Facility Location and Layout, Inventory Control, Quality Control

Importance & Factors affecting the Plant Location, Single and Multi facility location Techniques (Centroid and Minimax method), Plant Layout & its classification, Relationship Diagram & Block Diagramming, Assembly Line of Balancing, Inventory Control: Relevant Costs, P & Q Systems of Inventory, Basic EOQ Model, and Model with Quantity discount, Economic Batch Quantity. Safety Stock, Reorder Point, ABC Analysis, Material Requirement Planning, Concept of Quality Management, Quality of Design, Statistical Quality Control, X Bar, R and P Charts. Acceptance sampling, Elementary concept on TQM (Total Quality Management) ,JIT(Just In Time)

Case Study: Relevant cases have to be discussed in following areas: Aggregate Planning Strategies, CRAFT (Computerized Relative Allocation of Facilities Technique), ROC (Rank Order Clustering Method), Material Requirement Planning.

- Aggregate planning strategies
- Layout Techniques (CRAFT, ROC)
- Material Requirement Planning

Recommended Books:

1. Operations Management, Mahadevan, Pearson
2. Production & Operations Management, K. Aswathappa, K. Shridhar Bhat, HPH
3. Production & Operations Management, Bedi, Oxford
4. Production & Operations Management, S.N. Chary, TMH
5. Operations Management, Krajewski, Rizman, Malhotra, Pearson
6. Operations Management for competitive Advantage, Chase, Jacob, Aquilan, Agrawal, TMH
7. Production & Operations Management, Panneer Selvam, PHI

MBA-205: RESEARCH METHODOLOGY & SPSS

Module - I :

Nature and Scope of Business Research, Identification of Research problem, Research objective, Type of Business Research, Research Process, Research Designs : Exploratory, Descriptive, Experimental and Observational. Planning and formulation of Research Projects, Preparation of questionnaire and schedules, Measurement problem and scaling techniques. Collection of data : Primary and Secondary data. Purpose of research application, Type of research reports, Structure of Research report, Report writing and Presentation. SPSS and Report Presentation: Use of Statistical package for social sciences.

Module - II:

Sampling : Probabilistic and Non-probabilistic sampling. Methods of drawing samples : Lottery methods and using random number table, Sampling vs. complete enumeration, Sampling and Non sampling errors, Concept of different sampling methods : Simple random Sampling, Stratified random sampling, Cluster sampling, Multistage sampling.

Module - III:

Data analysis : Editing, Coding, transformation of data, Basic data analysis, Setting of hypothesis, hypothesis testing, Cluster and Factor analysis (Concept only). Hypothesis : Null hypothesis and alternative hypothesis, Testing of hypothesis, Type I and Type II errors, Sampling distribution and Standard errors, Test of Significance: Small sample tests : t and F tests, Large sample test : Z test, Chi- Square tests : Goodness of fit and test of association. Non-parametric tests : Sign test, Wilcoxon signed rank test, Run test, Man- Whitney U test, Randomness test ; Analysis of Variance : One way and two-way Classifications.

CASE ANALYSIS COMPULSORY

Recommended Books:

1. Business Research Methods, Cooper, Schindler, TMH
2. Research Methodology, C.R. Kothari, Newage Publication
3. Research Methodology for Management with SPSS, Majhi & Khatua, HPH
4. Management Research Methodology, Krishnaswamy, Sirakumar, Pearson
5. Research Methodology, Zeikmund, Cengage
6. Research Methodology, Paneer Selvam, PHI
7. Research Methodology, Prasanta Sarangi, Taxmann
8. A Text Book of Research Methodology, AKPC Swain, Kalyani
9. Research Methodology, Das, Vrinda

MBA-206: BUSINESS ENVIRONMENT & SUSTAINABLE DEVELOPMENT

Module - I : Business environment:

Meaning of business, nature of modern business, Environment of business, Economic system, Macro economic scenario, neoliberal profile of the economy (LPG)

Indian Money Market, Capital Market in India, Stock market and its regulation, Currency convertibility, Exchange rate management

Module - II :Business and Govt.-Indian Perspective

Economic roles of the state and govt., Economic planning in India, Export import policy and trade liberalization, Industrial policy resolution in India, Indian economic policies, Exim policy, disinvestment policy, taxation policy.

Module - III: Managing Environmental issues and Sustainable Development

Environmental management as a competitive advantage, The greening of management, Role of Govt. in environmental regulations, Industrialization, urban development and environment, Global environmental issues, Sustainable development-Concepts, relevance in modern Business, World Business Council for Sustainable Development(WBCSD) Report.

Case analysis compulsory

Recommended Books:

1. Business Environment for Sustainable Development, Francis Cherunilam, HPH
2. Economic Environment of Business, H.L. Ahuja, S. Chand
3. Business Environment in a Global Context, Andrew Harison, Oxford
4. Business Environment, Text and Cases – Justin Paul, TMH
5. Business Environment, Vivek Mittal, Excel
6. Business and Society, Lawrence and Weber, TMH

MBA-207: MIS & ERP

Module - I: Role of MIS in Organizations

Organization and Information Systems, Changing Environment and its impact on Business - The ITES and its influence - The Organization: Structure, Managers and activities - Data, information and its attributes - The level of people and their information needs - Types of Decisions and information - Information System, categorization of information on the basis of nature and characteristics.

Module - II: System Analysis and Development Methodologies

Need for System Analysis - Stages in System Analysis - Structured SAD and tools like DFD, Context Diagram Decision Table and Structured Diagram. System Development Models: Water Flow, Prototype, Spiral, RAD – Roles and responsibilities of System Analyst, Database Administrator and Database Designer. **System Development Life Cycle:** Sequential Process of software development; Computer Aided Software Engineering (CASE); Tools and the modular approach to software development; Information system audit.

Module - III: Enterprise Systems

Enterprise Resources Planning (ERP): Features, selection criteria, merits, issues and challenges in Implementation - Supply Chain Management (SCM): Features, Modules in SCM - Customer Relationship Management (CRM): Phases. Knowledge Management and e-governance. Nature of IT decision - Strategic decision - Configuration design and evaluation Information technology implementation plan.

Security and Ethical Challenges: Ethical responsibilities of Business Professionals – Business, technology; Computer crime – Hacking, cyber theft, unauthorized use at work; Piracy – software and intellectual property; Privacy – Issues and the Internet Privacy; Challenges – working condition, individuals; Health and Social Issues, Ergonomics and cyber terrorism;

Recommended Books:

1. Enterprise Resource Planning & Mgmt. of Information System, CSV Murthy, HPH
2. Management Information System, Launden & Launden, Pearson
3. Management Information System, Effy Oz, Cengage
4. ERP, Leon Alexis, TMH
5. MIS – In Knowledge Economy - Joseph & Mohapatra – PHI
6. ERP – Concept and practices – Garg and Krishna - PHI
7. Management Information System- James O Brian- TMH
8. Management Information System, Jawadekar, McGraw Hill

MBA-208: BUSINESS COMMUNICATION

Module - I Interpersonal and Inter-cultural Communication Skills

- 1.1.1 Cross-cultural communication: Cross-cultural issues which affect Communication across different Cultures, Culture and non-verbal communication ,Effective intercultural communication.
- 1.2 Persuasive communication: the process of persuasion, formal and informal persuasion.
- 1.3 Negotiation Skills
- 1.4 Presentation skills: Planning, Structure and Delivery.

Module - II Business Writing

- 2.1 Developing coherent paragraphs
- 2.2 Précis writing
- 2.3 Business letters: writing routine and persuasive letters – positive and negative messages.
- 2.4 Writing memos ,circulars, notices and emails,
- 2.5 Business reports: what is a report , kinds and objectives of reports, Process, Structure and Layout.
- 2.6 Writing business proposals
- 2.7 Meetings: Agenda and Minutes.

Module - III Soft skills

- 3.1 How communication skills and soft skills are inter-related
- 3.2 Leadership skills
- 3.3 Group Dynamics:
- 3.4 Group Discussions
- 3.5 Interview skills
- 3.6 Telephone etiquettes.
- 3.7 Business etiquettes.

Recommended Books:

- 1. Business Communication Today, Bovee et al, Pearson
- 2. Business Communication, Lesiker, et al, McGraw Hill
- 3. Business Communication, Viswanathan, HPH
- 4. Business Communication for Managers, Penrose, Rasberry Myers, Cengage
- 5. Developing Soft Skills, Cornerstone, Pearson
- 6. Skills Development for Business & Management students, Oxford
- 7. Effective Technical Communication, Rizvi, TMH
- 8. Case Studies for Organisational Communication, Keytone, Jaico

MBA-209: BUSINESS COMMUNICATION LAB

Module - I

Case studies highlighting cross cultural issues
Negotiation Skills practice through role plays in different situations
Extempore
Delivering Oral Presentations

Module - II

Practice should be provided in functional writing by using samples. The principles of 'Process Writing' should be used to teach writing skills. The focus should mainly be on:

- The development of coherent paragraphs
- Precis writing
- Writing Business letters
- Writing memos ,circulars, notices and emails,
- Writing Business reports and business proposals
- Preparing agenda and minutes for meetings through mock meetings

Module - III

Practice should be provided through:

- Activities designed to highlight leadership and team skills,
- Group Discussions
- Group presentations
- Oral case analysis in small groups
- Mock interviews
- Telephone etiquettes practice

Lab Tests:

1st Lab test 15 marks.

2nd Lab test 15 marks.

3rd Lab Test 20 marks.

(The 1st and 2nd Lab test and will be based on the practice provided during Lab sessions during the semester There will be no testing of theoretical knowledge .)

The 3rd Lab test will test the soft skills along with the language skills. Students are required to prepare presentations with a set of slides(text/visual)on topics(preferably of a non -technical nature)chosen by them with the approval of the concerned faculty member .Each student will deliver one presentation to the class and the topic chosen for the purpose should not be repeated by others. Other faculty members of the college may also be invited to form a panel.

The presentations will be evaluated on the basis of the following criteria:

Format for preparation of slides

Content focus: Innovative idea

Power of visuals

Extent of persuasiveness, structure, economy, distribution-visual/verbal

Language focus: Pronunciation

Grammar

Choice of words and sentence structure

Presenter focus: Involvement

Rapport with audience

Body language

Paralanguage

Handling the question answer session

MBA-210: MIS & ERP (LAB)

MS Project:

- (i) **Getting Started with Microsoft Project:** Managing your Projects with Microsoft Project, Starting Microsoft Project, Exploring Views, Exploring Reports, Creating a New Project Plan, Setting Networking Days, Entering Project Properties.
- (ii) **Getting a Task List:** Entering Tasks, Project Management Focus; Defining the Right Tasks for the Right Deliverable, Estimating Durations, Project Management Focus; How do you come up with Accurate Task Durations, Entering a Milestone, Organizing Tasks into Phases, Project Management Focus: Top-Down and Bottom-up Planning, Linking Tasks, Documenting Tasks.
- (iii) **Setting Up Resources;** Setting Up people Resources, Setting up equipment Resources, Setting up Material Resources, Entering Resource Pay Rates, Project management Focus: Getting Resource Cost Information, Adjustment Working Time for Individual Resources, Documenting Resources.
- (iv) **Assigning Resources to Tasks:** Assigning Resources to Tasks, Assigning Additional Resources to a Task, Project management Focus: When should Effort Driven Scheduling Apply, Assigning Material Resources to Tasks.

ERP: Open Source Software

Recommended Books

1. Microsoft Office Project 2007, Marmel, Wiley

MBA 211: Research Methodology & SPSS (Lab)

Assignment-1: Learning the Basics of SPSS.

Assignment-2: Looking at Frequency Distributions and Descriptive Statistics.

Assignment-3: Presenting Data in Graphic Form.

Assignment-4: Testing Research Hypotheses for Two Independent Samples.

Assignment-5: Testing Research Hypotheses about Two Related Samples.

Assignment-6: Comparing Independent Samples with One-way ANOVA.

Assignment-7: comparing related Samples with One-way ANOVA.

Assignment-8: Measuring the Simple Relationship between Two Variables.

Assignment-9: Describing the Linear Relationship between Two Variables.

Assignment-10: Assessing the Association between Two Categorical Variables.

Assignment-11: Entering Data using Programs other than SPSS.

Recommended Books:

1. Ready, Set, GO! A Student Guide to SPSS, Thomas Pavkov, Kent Pierce, TMH.
2. SPSS for Windows step by step, George & Mallery, Pearson
3. Data Analysis with SPSS, Carver and Nash, Cengage.

2nd Year

3rd Semester Core Papers

MBA-301 Cost & Management Accounting

MBA-302 Banking & Insurance Management

MBA-303 Business Corporate Law

MBA-304 Entrepreneurship & Management of SME

MBA-301: COST AND MANAGEMENT ACCOUNTING

Module - I : Introduction to Cost Accounting

Introduction, Terminology (Cost, costing, cost unit, cost centre, profit centre, cost object), Objectives of Cost Accounting, Cost Accounting Vs Financial Accounting, Necessity for Cost Accounting, Methods of costing & types of costing, Classification of costs (by nature, by activities, by behaviour, by time, in relation to managerial decision making), Preparation of cost sheet, Job costing , Contract Costing, Process Costing, Joint products and by-products, Reconciliation of cost and financial accounts.

Module - II : Management Accounting

Definition, Scope and functions of Management Accounting and difference between Management Accounting and Financial Accounting, Break-even and Cost-volume-profit analysis, Marginal costing and practical application (In situations like key factor analysis, optimizing product mix, make or buy decision, discontinuance and diversification of products, accept or reject special offer, close down of operations).

Module - III : Budgetary Control & Standard Costing

Budgeting process, Preparation of Sales or Revenue budget & other budgets, Flexible budgeting, Master Budget, Efficiency Ratio, Activity Ratio, Capacity Ratio, Standard Costing – Objectives, Variance analysis – Interpretation of variances, Decisions under risk and uncertainty, Cost control and cost reduction.

CASE ANALYSIS COMPULSORY

Recommended Books:

1. Cost and Management Accounting, M. Hanif, TMH
2. A Text Book of Cost & Management Accounting, M.N. Arora, Vikas
3. Management Accounting, Shah, Oxford
4. Cost Accounting Ravi M Kishore, Taxmann
5. Cost Accounting, Jawaharlal & Srivastava, TMH
6. Management & Cost Accounting, Drury, Cengage

MBA-302: BANKING AND INSURANCE MANAGEMENT

Module - I Overview of Banking

Evolution of Banking, Banking in India, Types of Banks, Roles of Banks (viz. Intermediation, Payment system, Financial services), Banking Regulations, BASEL Norms, Banking Products – Fee based and fund based.

Micro credit-size of loan, target user, utilization of loan product, terms and conditions: Micro savings-Life cycle needs, personal emergencies, disasters, investment opportunities, Micro finance credit-lending model-community banking model, cooperative model, SHG model, Gramin joint liability group model, village banking model.

Module - II Basics of Insurance :

Indemnity, Insurable interest, Materiality of facts, Uberimmaefidae and implications, Duty of disclosure. Types of Insurance : Life Insurance, General Insurance, Health & Medical Insurance, Property related Insurance, Liability Insurance, Reinsurance. Principles governing marketing of insurance products. Insurance Regulation and Role of IRDA.

Micro insurance-risk faced by the poor, defining micro insurance, enabling environment for micro insurance in the Indian context, demand and supply of micro insurance, Delivery mechanism-micro insurance models-partner-agent model, Full service model, Community based model, provider model. Linking micro credit with micro insurance, IRDA regulations on micro insurance.

Module - III Management Techniques & Process :

Bank Management : Liquidity Management, Investment Management , Loan Management , Liability Management, Credit Management, Risk Management

Insurance Management: Definition of Risk, Classification of Pure Risks: Personal Risks, Property Risks, Liability Risks, Failure of Others, Overlapping Risks; Rules of Risk Management, Risk Management Technique, Risk Management Process: under writing TPA basic assessment, claim management of claim settlement.

Case discussion and analysis compulsory

Recommended Books:

1. Banking Theory, Law & Practice, Gordon Natrajan, HPH
2. Insurance Management, S.C.Sahoo & S.C.Das, HPH
3. Bank Management & Financial Services, Rose, Hudgins, McGraw Hill
4. Risk Management & Insurance, Trieschmann, Hoyt, Sommer, Cengage
5. Banking and Insurance, Mohapatra and Acharya, Pearson

MBA-303: BUSINESS & CORPORATE LAW

Module - I Law of Contract:

Contract Act: Offer and Acceptance, Consideration, Free consent, Legality of object and consideration, Performance and Discharge of contract, quasi contract, Contract of Guarantee, Bailment, Bailment(rights and duties of bailor and bailee), Agency (various modes of creating agency, rights and duties of agents and principal).

Law of Sales: Sale of Goods Act: Sale and Agreement to sell, Conditions and Warrantees, Transfer of property, Finder of goods, Performance of contract of sale, Rights of an unpaid seller.

Module - II Economic Laws:

Competition Act 2002:

Consumer Protection Act 1986,

Industries (Development and Regulation) Act, 1957

Foreign Exchange Management Act, 1999 and RULES.

Module - III Company Law:

Salient Features of Companies, Classification and Formation of Companies, Memorandum and Articles of Association, Doctrine of Indoor Management, Appointment of Directors, Meetings of Directors & Shareholders of Companies, Overview of different modes of winding up of Companies.

CASE DISCUSSION COMPULSORY

Recommended Books:

1. Business and Corporate Law, Saravanel and Mohapatra, HPH
2. Business Law, N.D. Kapoor, New Age
3. Business Law, Gulshan, Excel
4. Legal Aspects of Business, Pathak, TMH

MBA-304: ENTREPRENEURSHIP & MANAGEMENT OF SMALL AND MEDIUM ENTERPRISES

Module - I : Understanding Entrepreneurship

Concept of Entrepreneur, Entrepreneurial Motivation
Entrepreneurship.

Why to start Business – Entrepreneurial characteristics and skills –
Entrepreneurial success and failures.

Entrepreneurial Process

Steps of entrepreneurial process

Deciding – Developing – Moving – Managing – Recognizing.

Module - II: Setting up of a small Business Enterprise.

Identifying the Business opportunity - Business opportunities in various
sectors formalities for setting up of a small business enterprise. –
Environmental pollution Related clearances.

Sickness in Small Business Enterprises.

Causes of sickness – Symptoms of sickness – cures of sickness.

Govt. policies on revival of sickness and remedial measures.

Module - III: Institutionals Supporting Small Business.

Central / State level Institution.

Preparation of a Business Plan – Elements of a Business Plan.

Kinds of Business plans

Financial Management – Working Capital management.

Accounting & Book Keeping – Preparation of Financial

Statement – Marketing Management, problems & strategies

Problems of HRM – Relevant Labour – laws.

Case Analysis Compulsory

Recommended Books:

1. Entrepreneurship Development Small Business Enterprises, Charantimath, Pearson
2. Small Scale Industries and Entrepreneurship, Vasant Desai, HPH.
3. Entrepreneurship in the new Millennium, Kuratko & Hodgetts, Cengage
4. Entrepreneurship & New Venture Creation, Sahay & Sharma, EB
5. Entrepreneurial Development, Dr.S.S. Kharka, S. Chand
6. Entrepreneurship, Roy, Oxford

2nd Year

4th Semester Core Papers

MBA-401 Business Ethics & Corporate Governance

MBA-402 Strategic Management

MBA-401: BUSINESS ETHICS AND CORPORATE GOVERNANCE

Module - I Ethics & Business.

What is Ethics, Nature and scope of Ethics, Facts and value, Ethical subjectivism and Relativism, Moral Development (Kohlberg's 6 stages of Moral Development), Ethics and Business, Myth of a moral business.

Decision making (Normal Dilemmas and Problems): Application of Ethical theories in Business (i) Utilitarianism (J.Bentham and J.S. Mill), (ii) Deontology (I. Kant) Virtue Ethics (Aristotle). **Economic Justice:** Distributive Justice, John Rawls Libertarian Justice (Robest Nozick) Ethical Issues in Functional Areas of Business. **Marketing:** Characteristics of Free and Perfect competitive market, Monopoly oligopoly, Ethics in Advertising (Truth in Advertising). **Finance:** Fairness and Efficiency in Financial Market, Insider Trading, Green Mail, Golden parchate. **HR:** Workers Right and Duties: Work place safety, sexual harassment, whistle blowing.

Module - II Corporate Governance.

Origin and Development of Corporate governance, Theories underlying Corporate Governance (Stake holder's theory and Stewardship theory, Agency theory, Separation of ownership and control, **corporate Governance Mechanism:** Anglo-American Model, German Model, Japanese Model, Indian Model, OECD, emphasis on Corporate governance, Ethics and Governance, Process and Corporate Governance (Transparency Accountability and Empowerment).

Module - III Role Players.

Role of Board of Directors and Board Structure, Role of Board of Directors, Role of the Non-executive Director, Role of Auditors, SEBI Growth of Corporate Governance. Role of Government, Corporate governance in India, Kumaramangalam Birla Committee, CII, Report, Cadbury Committee.

CASE ANALYSIS COMPULSORY

Recommended Books:

1. Business Ethics and Corporate Governance, C.S.V.Murthy, HPH
2. Business Ethics, Francis & Mishra, TMH
3. Corporate governance, Fernando, Pearson
4. Business Ethics & Corporate Governance, S. Prabakaran, EB
5. Corporate Governance, Mallin, Oxford
6. Corporate Governance & Business Ethics, U.C.Mathur, MacMillan

MBA-402: STRATEGIC MANAGEMENT

Module - I: Introduction

Concept of strategy, Vision, Mission, Goal, Objective, Strategic Management Process, Corporate planning –an overview, SBU, Modes of strategic decision making, Strategic intent, Hierarchy of strategy.

Module - II: Strategy formulation.

Environmental Scanning, SWOT analysis, Internal and External environmental analysis, Competition Analysis: Porter's Five Forces Theory, Generic strategies, Competitive Advantage, Value chain analysis, Mckinesey's 7s frame work, Balance Score card.

Module - III: Strategic Implementation and Control

Stability, Growth, Turnaround, Retrenchment, Diversification, vertical integration, Horizontal integration, Strategic alliance, merger and acquisition, Divestment, Business Portfolio analysis– BCG & GEC matrix – Strategic Choice **Strategic evaluation and control (including techniques)**

Case analysis compulsory

Recommended Books:

1. Strategic Management & Business Policy, Kazmi, TMH
2. Strategic Management, R. Srinivasana-PHI
3. Corporate Strategy, Lynch, Pearson
4. Business Policy and Strategic Management, P. Subbarao, HPH
5. Strategic Management, Haberberg & Rieple, Oxford
6. An Integrated approach to Strategic Management, Hill & Jones, Cengage
7. Strategic Management, U.C. Mathur, McMillan
8. Strategic Management & Entrepreneurship, D.Acharya & A. Nanda, HPH
9. Cases in Strategic Management, Amita Mital, TMH

ELECTIVE COURSES

Marketing

MBA-305A:	Consumer Behaviour
MBA-306A:	Sales & Distribution Management
MBA-307A:	Services Marketing
MBA-308A:	Product & Brand Management
MBA-403A:	Integrated Marketing Communication
MBA-404A:	Retail Management
MBA-405A:	Rural and Agricultural Marketing
MBA-406A:	International Marketing

MBA-305A: CONSUMER BEHAVIOR

Module - I

Theories of Consumer Behaviour: Learning theory, Psychoanalytic theory, Gestalt, Cognitive theory, Psychological field, Blackbox Models, Distributive Approach, Consumer decision: Process approach, Factors influencing consumer decision making, Segmentation, Psychographics & VALS; Diffusion of Innovations.

Module - II

Individual Determinants of Behaviour- Personality, perception, attitude (attitudinal models), learning, Motivation, Group influence on consumer behaviour-Social class, Social groups, Opinion leaders. Culture, Sub-culture, Cultural relevance to marketing decisions, Characteristics of culture, Cultural Values, Cultural Changes, Cross cultural understandings. Family: Role & Structure, Family Life Cycle, Purchasing decisions, Changing role of families.

Module - III

Models of Consumer Behaviour; Howard-Seth Model, Angle-Blackwell-Kollat (Multimediation Model), Nicosia Model. Seth's Family Decision-making Model.

Recommended Books:

1. Consumer Behaviour – Schiffmen, Kanuk – Pearson
2. Consumer Behaviour – Loudav & Della Bitta – TMH
3. Consumer Behaviour – Suja R. Nair – HPH
4. Consumer Behaviour – Blackwell / Minlard / Engel - Cengage
5. Consumer Behaviour – Mujumdar – PHI
6. Consumer Behaviour – M.S. Raju, Dominique Xardel – Vikas
7. Consumer Behaviour – Batra & Karmi – Excel Books

MBA-306A: SALES AND DISTRIBUTION MANAGEMENT

Module - I

Sales Management; Objectives and Functions, Setting up a sales organization, Personal Selling, Management of Sales force, Recruitment & Selection, Training, Motivation and Evaluation, Compensating Sales Force, Sale forecasting, Territory Management, Sales Budget, Sales Quota.

Module - II

Distribution Management, Design of Distribution Channel, Channel Conflict, Co-operation & Competition, Vertical marketing system, Horizontal Marketing system, Designing Customer Oriented Marketing Channels: Wholesaling, Retailing.

Module - III

Order Processing, Transportation, Warehousing, Inventory, Market Logistics Decision, SCM, Emerging Trends.

Case analysis compulsory

Recommended Books:

1. Sales & Distribution Management – Havaladar, Cavale - TMH
2. Sales Management – Still, Cundiffs, Govani – Pearson
3. Sales & Distribution Management – S.L. Gupta – Excel Books
4. Sales & Distribution Management , Chunnwala –HPH
5. Salesmanship & Sales Management – Sahu & Raut – Vikas
6. Sales & Distribution Management,Panda and Sahadev,Oxford

MBA-307A: SERVICES MARKETING

Module - I

Emergence of Service Economy, Challenges, Service Consumer Behaviour, Service Encounter, Blueprint, Service Delivery, Servicescapes, Service Strategy(7ps), Service failure & Recovery, Service Tax Provision.

Module - II

Quality Issues and Models, Gap Analysis, SERVQUAL, Demand-Supply Management, Branding, Packaging, Pricing, Promotion, Service Research.

Module - III

Marketing of service Sector-Financial Services, Tourism Services, Education Services, Information services (ITES), CRM in Service Sector, Health Services, Health Tourism Services

Case analysis compulsory

Recommended Books:

1. Services Marketing – Zeithmal, Bituer, Gremler, Pandit – TMH
2. Services Marketing – Lovelock, Wirtz, Chatterjee – Pearson
3. Services Marketing – Shajahan – HPH
4. Services Marketing – Rao, Pearson
5. Services Marketing – Apte – Oxford
6. Text book of Marketing of Services – Chowdhary and Chowdhary, Mcmillan
7. Services Marketing & Management – B. Balaji, S. Chand

MBA-308A: PRODUCT AND BRAND MANAGEMENT

Module - I

Products- Concepts, Planning, New Product, Development Strategies, , Launching Strategies, PLC, Portfolio Management-BCG,GE, Porter's Model, Competitor's Analysis, Customer Analysis, Market potential, Product Demand pattern and Trend Analysis.

Module - II

Branding-Decisions, Branding Strategies, Co-branding strategies, Brand leveraging strategies, Positioning, Architecture, brand Image and Brand identity, Brand Identity Prism, Brand extensions.

Module - III

Packaging, Labeling, Brand Rejuvenation, Brand Success strategies, Brand Resilience, Brand Equity Brand valuation, Building global brands, Branding failures.

Case analysis compulsory

Recommended Books:

1. Product Management – Lehmann & Winner – TMH
2. Strategic Brand Management – Keller – Pearson
3. Product and brand management- K.Venugopal Rao –HPH
4. Product and Brand Management – U.C. Mathur – Excel Books
5. Product Management – Canandan – TMH

MBA-403A: INTEGRATED MARKETING COMMUNICATION

Module - I

Integrated Marketing Communication, IMC Planning Process Advertising; 5Ms, Social and Ethical Issues in Advertising, , Developing Ad Programmes, Setting Objectives, Ad Budgets, Designing Message, Media Selection and Planning, Ad Research, Evaluation and Control.

Module - II

Sales Promotion, Types, Planning Sales Promotion Programmes, Personal Selling, Role, Advantages and Disadvantages, Personal Selling Skills.

Module - III

Power of Publicity, Public Relations, Direct Marketing Process, On Line Advertising, Social Networking, Challenges, Network Marketing, Advertising In Multicultural Environment.

Case analysis compulsory

Recommended Books:

1. Advertising & Promotions an IMC Perspective – Shah & D’Souza – TMH
2. Integrated Marketing Communication – Niraj Kumar – HPH
3. Advertising & Sales Promotion – Kazmi & Batra – Excell Books
4. Advertising Management – Batra, Myers, Anker – Pearson
5. Advertising Management with Integrated Brand Promotion – Cengage
6. Advertising Management – Jethwaney Jain – Oxford
7. Advertising – An IMC Perspective – Murthy, Bhojanna – Excel Books

MBA-404A: RETAIL MANAGEMENT

Module - I

Growth of retailing, Retail Theories, Types of retailers, Retail Formats, Retail Consumer Behaviour, Retail Marketing Mix., Retail Market Strategy.

Module - II

Retail Location Decisions, Merchandise Planning, Managing Assortments, Store Management, Layout, Design, Space Management, Visual Merchandising, Retail Aesthetics, Customer Service, Retail Atmospherics, Retail Equity, Retail Purchase Planning.

Module - III

Retail Communication Mix, Retail Pricing: Price Setting, Pricing Strategies, Managing Retail Brands, Retail Supply Chain, CRM, HRM Practices in Retail, Technology in Retailing, Future of Retailing.

Case analysis compulsory

Recommended Books:

1. Retail Management – Berman, Evans – Pearson
2. Retail Management – Bajaj, Tulsi & Srivastava – Oxford
3. Retail Management – Dunue Lusch – Cengage
4. Retailing Management – Levy, Weitz, Pandit – TMH
6. Fundamentals of Retailing – Madaan – MC Graw Hill
7. Retail Management – Asif Sheikh, Kaneez Fatima – HPH

MBA-405A: RURAL & AGRICULTURAL MARKETING

Module - I

Rural market structure, Rural consumer Buying Behaviour, Rural market environment, Rural Marketing Information System, Research & Forecasting, Rural demand, Segmentation, Targeting, Positioning, Problems of rural marketing, Rural Marketing agencies.

Module - II

Rural Marketing Mix: Product Decisions, Pricing Decisions, Promotion Decisions, Distribution, Channel Management, Relationship Management Physical Distribution, Sales force management

Module - III

Agri Marketing: Scope, Role in Economic Development, Demand and Supply of Farm Products, Marketing of Agricultural inputs and farm products, Strategy for Agricultural Marketing.

Case analysis compulsory

Recommended Books:

1. Rural Marketing – Badi & Badi – HPH
2. Rural Marketing – Dogra, Ghuman – TMH
3. Rural Marketing – K. Ramakrishnan – Pearson
4. Rural Marketing – Kashyap, Raut – Biztantra
5. Rural Marketing – T.P. Gopaldaswamy – Vikas

MBA 406A INTERNATIONAL MARKETING

Module - I

Conceptual frame work of International Marketing: Basic differences between domestic and International marketing International Marketing Environment. EPRG frame work in International marketing, stages of development into Global Marketing.

Module - II

Indian Foreign Trade : Indian Trade Policy - Recent trends in India's Foreign trade - Export Assistance, Institutional Infrastructure for Export Promotion in India. Identification of Foreign Markets: Product Planning for Exports - Export pricing - Market Entry and Overseas Distribution System - Promoting products internationally.

Module - III

Overseas Market Research: Marketing Plan for Exports - New Techniques in International Marketing, International subcontracting Joint Ventures, Counter trade Arrangements, Multinationals. Exports finance, risk export documents and procedure.

Text Books:

1. International Marketing, Joshi R.M Oxford University Press.
2. Global Marketing Management, Keegan - Pearson.
3. International marketing, Fransis Cherunilam HPH

ELECTIVE COURSES

Finance

MBA-305B:	Project Appraisal
MBA-306B:	Financial Services
MBA-307B:	Security Analysis & Portfolio Management
MBA-308B:	Taxation Management
MBA-403B:	Derivatives and Risk Management
MBA-404B:	Strategic Financial Management
MBA-405B:	International Financial Management
MBA-406B:	Financial Institutes and Financial Markets

MBA-305B: PROJECT APPRAISAL

Module - I Project Identification and Formulation

Project characteristics, Taxonomy of projects, Project Identification, Preparation, Screening of Project Ideas, Tax Incentives and Tax Planning for project investment decisions, Zero based project formulation, UNIDO manuals, Detailed Feasibility Study Report.

Project Appraisal: Technical appraisal, Commercial appraisal, Economic appraisal, Financial Appraisal, Management appraisal, Govt. projects and social projects, Social Cost benefit analysis. Environmental Appraisal.

Module - II Project Cost Estimate and Risk Analysis

Cost of project, Components of capital cost of a project, Project Risk Analysis, Techniques of Risk Analysis, Project Organization. Infrastructure projects- characteristics and issues related to infrastructure projects, state of infrastructure in India, New Approaches for infrastructure, PPP, mix of govt. support and regulation.

Module - III Project Evaluation and Audit

Sources of financing, Role of Financial Institutions in project financing, Covenants attached to lending, Data required for calculation of NPV, PI, IRR, BCR, NBCR, Project cost overruns and cost control, Phases of post audit, Type of post audit, Project close out of Terminalia.

Recommended Books:

1. Project Management – B Patel, Vikas
2. Project Management and Control, N Singh, HPH
3. Contemporary project Management – T.J. Kloppenborg – Cengage
3. Projects – P. Chandra – TMH
4. Project Management – K. Nagarajan – New Age
5. Project Management – Panner Selvam / Senthil Kumar
6. Introduction to Project Finance – HR Machi Raju – Vikash
7. Project Management – Pinto – Pearson
8. International Project Management, Koster, Sage
9. Guideline on projects, Prakash and Shivkumar, HPH

MBA-306B: FINANCIAL SERVICES

Module-I: An introduction to Financial Services:

Meaning, Nature, Classification, Scope, Some special fund and non-fund based financial services: Leasing, Hire purchase, Factoring, Retail finance, Mutual funds, Credit rating, Securitization.

Module-II: Merchant Banking & Venture Capital:

Nature & Scope, Structure, Services, Regulations of merchant banking, Merchant bankers in the market making process, Merchant banking in India. Venture Capital: Meaning, Features, Scope, Importance. Methods of venture financing, Venture capital funds in India. Private Equity and venture capital finance.

Module-III: Financial Markets & Instruments:

Money Market: Features, Objectives, Importance, Call Money, Commercial Bills, Treasury Bills, Commercial Papers, Certificate of Deposits. Players of Money Market.

Capital Market: New issue market, stock market, Methods of floating new issues, players in the new issue market, Advantages of primary market, stock exchange – Constitution, Control, Function, Listing of securities, Trading mechanism, Equity, Debentures, Bonds, Warrants, ADRs and GDRs.

Recommended Books:

1. Financial Markets and Services – Gordon / Natarajan – HPH
2. Financial Services – S. Gurusamy - TMH
3. Merchant Banking and Financial Services – K. Ravi Chandran – HPH
4. Financial Markets and Institutions – Jeff Madura – Cengage
5. Financial Services and Markets – P. Pandian – Vikash
6. Financial Marketing, Institutions and Financial Services – Gomez – PHI
7. Indian Financial System – Khan – TMH
8. Financial Services in India, Kothari, Sage

MBA-307B: SECURITY ANALYSIS & PORTFOLIO MANAGEMENT

Module-I: Investment & Security Analysis

Introduction, Characteristics and objectives of Investment Management, Investment vs gambling and speculation, Types of investors and avenues, New Issue market and Stock Exchanges, Trading mechanisms in stock exchanges, Risk & Return, Stock Return and Valuation, Bond-return and valuation, Fundamental Analysis and Economic / Industry / Company Analysis, Technical Analysis, Efficient Market Hypothesis.

Module-II: Portfolio Analysis & Management

Introduction, Phases of portfolio management, Portfolio analysis, Portfolio Selection, Portfolio construction, Capital Market Theory (CAPM, CML, SML, , Efficient frontier with Riskless lending and borrowing, Markowitz Model, Sharpe single index Model), Arbitrage pricing theory.

Module-III: Portfolio Evaluation and Behavioural Finance

Portfolio revision, performance evaluation of portfolio, forecasting of portfolio performance, psychological traits affecting investment decision, Explaining biases, fusion investing, Bubbles and behavioural economics, Technical analysis and behavioural finance.

Recommended Books:

1. Security Analysis and Portfolio Management – Fisher / Jodan – Pearson
2. Security Analysis and Portfolio Management – Kevin – PHI
3. Investment Management, Preeti Singh, HPH
4. Investment Analysis and Portfolio Management – Reilly / Brown – Cengage
5. Investment Analysis and Portfolio Management – P. Chandra – TMH
6. Value investing and Behavioural Finance, Parikh, TMH
7. Investment Management – V.K. Bhalla – S. Chand
8. Investment Management and Security Analysis – D.K. Khatri – Mcmillan
9. Security Analysis and Portfolio Management – P. Pandian – Vikash
10. Security Analysis and Portfolio Management, Mohapatra, Mishra & Das, HPH

MBA-308B: TAX MANAGEMENT

Module-I: Income Tax: Definition: Cannons of Taxation, Assessee, Income, Previous Year, Assessment Year, Gross avoidance, Planning, Exemption, Deduction, Rebate, Relief. Residential status and tax incidence – Individual and Corporate, Income exempted from Tax- Individual & Corporate, Computation of taxable income of individual, HUF, Firm & Corporate.

Module-II: Tax Management: Rate of tax and surcharge, Tax rebate, Tax Management-Submission of return and procedure of assessment, PAN, TAN, Priliminary ideas of deduction and collection of Tax at source, Advance payment of Tax, Refund of Tax. Minimum Alternate Tax (MAT). Schemes of Tax Planning, Tax Planning for salaries, Profits and gains of business on profession, Capital Gains, Employees remuneration, Tax factor in dividend policy.

Module-III: Indirect Tax Management – Central Sales Tax Act, 1956, Customs Act and Valuation, Central Excise Act 1944, Value Added Tax (VAT).

Recommended Books:

1. Corporate Tax Planning and Business Tax Procedure – Singhania/Singhania - Taxmann
2. Indirect Taxes – Law and Practice – V.S. Datey – Taxmann
3. Income Tax – Law and Practice – N. Hari Haran – TMH
4. Students' Guide to Income Tax – Singhania / Singhania – Taxmann

MBA-403B: DERIVATIVES AND RISK MANAGEMENT

Module - I Financial Derivatives

Introduction , Definition of Financial Derivative , Features, Types of Derivatives, Basic Financial Derivatives, History of Derivatives Market, Use of Derivatives, Critiques of Derivatives. Traders in Derivative Markets, Factors contributing to the growth of Derivatives. Financial Derivatives Market in India. Forward contract, Features of Forward contract, Classification of Forward Contracts.

Module - II Future Market, Contracting & Pricing

Introduction, Financial Futures contracts, Types of Financial Futures, Contracts, Evolution of Futures Market in India, Operators/Traders in Future Market, Functions and growth in Future Market, Future Market trading Mechanism, Theories of Future prices. Hedging Concepts – Long, Short, Cross. Forward prices Vs Future prices.

Module - III Forward and Swap Market: Pricing and Trading Mechanism

Introduction, concept, Types, Distinction between option and futures contracts, option valuation, Determinants of option pricing , Black – Scholes option pricing model, Binomial Option pricing model , Trading with option, Hedging with option; SWAP: Introduction, concept, Nature, Evolution, Features, Types of Swaps. Over view of Commodity Derivatives.

Recommended Books:

1. Options, Futures and Other Derivatives – Hull / Basu – Pearson
2. Financial Derivatives – Theory, Concepts and problems – Gupta – PHI
3. Derivatives and Risk Management – Srivastav – Oxford
4. Options and Futures, Patwari and Bhargava, Jaico
5. Risk Management and Derivatives – Stulz – Cengage
6. Derivatives and Risk Management – Varma – TMH
7. Introduction to Derivatives, Johnson, Oxford
8. Financial Derivatives – B. Mishra / S.S. Debashis – Excel Books
9. Financial Derivatives – Kumar – PHI
10. Derivatives Simplified, Bhaskar, Mahapatra, Sage
11. Mastering Derivatives Markets, Taylor, Pearson

MBA-404B: STRATEGIC FINANCIAL MANAGEMENT

Module - I : Corporate Restructuring

Nature & objective, Forms of Corporate restructuring, Types and Theories of Mergers, Reasons for merger, Demerger, Take over and Acquisitions, Business Alliances, Divestitures. Legal and Procedural Aspects, Tax Implication. Cross border acquisitions and International acquisitions.

Module - II : Strategic Financial Management

Objectives of Strategic Finance Management, The 9S model, Strategic investigation of growth, Value Chain analysis and Value Engineering, SBU, Life Cycle Costing, Strategic Cost Management, Activity Based Costing (ABC), Objective Based Costing(OBC), Target Costing, Balanced Scorecard, Special Purpose Vehicle, Venture Finance, Economic Value Added and Owner's Value Added.

Module - III : Financial Engineering

Financial Innovations and Financial Engineering: Leverage Buy out-operations, Norms for financing leverage buyouts, Corporate Control Mechanisms, Financially Engineered Products.

Recommended Books:

1. Strategic Financial Management – Ravi M Kishore – Taxmann
2. Financial Engineering, Marshall and Basnsal, PHI
3. Strategic Financial Management – Jakhotiya – Vikash
4. Creating Value from Mergers and Acquisitions – Sudarsaan – Pearson
5. Mergers, Acquisitions and Corporate Restructuring, Gaughan, Wiley
6. Mergers, Acquisitions and Business Valuation – R. Vadapalli – Excel Books
7. Mergers & Acquisitions, Weston, Weiver, TMH
8. Mergers, Restructuring & Corporate Control, Weston, Chang, PHI
9. Corporate Restructuring, Das et all, HPH
10. Mergers & Acquisitions- Text and Cases, Rajesh Kumar, TMH

MBA-405B: INTERNATIONAL FINANCE

Module - I: International Dimensions of Financial Management: The Emergence of MNC, Nature of the MNC, Objectives of the firm and Risk Management, Domestic Financial Management and International Financial Management, Multinational Capital Budgeting – application and interpretation.

Module - II: Managing Foreign Exchange exposure: Management of foreign exchange risk, Management of translation exposure, Management of transactions exposure, Management of economic exposure.

Module - III: International Financial Markets: International Banking and Money market, International Banking Services, Capital adequacy standards, International Money Markets, International Equity Sources, Global Equity Markets, Methods of sourcing, Cross listing in secondary markets, New Equity issues, International Debts sources, Debt Management and Funding Goals, International Debt, Instruments, International bank loans, Euro notes, International Bond Market.

Recommended Books:

1. International Financial Management – Sharan, TMH
2. International Financial Management – Madhuvij – Excel Books
3. International Financial Management – Apte – TMH
4. International Financial Management – Siddaiah – Pearson
5. International Financial Management – V.A. Avadhani – HPH
6. International Finance – A case Book – Desai – Wiley
7. International Finance – O' Brien – Oxford

MBA 406B: Financial Institutions and Markets

Module - I : Financial Markets:

Financial System and Financial Markets- Meaning, Types, Classification of Financial Markets, Money Market, Call money Market, Govt. Securities Market. Capital Market, Debt Market, Primary and Secondary Market, Interlinking Financial Market-Indian and Global Financial Markets.

Module - II : Financial Institutions:

Broad Categories- Special Characteristics, Money Market Institutions, Capital Market Institutions, Financial Services Institutions, Functions and structure introduced,

Stock Exchanges: Constitution, control, functions, Prudential Norms, SEBI Regulations, Sensitive Indices, Investor Services, Grievance Redressal Measures.

Financial Services Institutions: Clearing Corporation of India Ltd, Discount and Finance House of India Ltd, National Securities Depository Ltd, Securities Trading Corporation of India Ltd. Credit Rating Institutions.

Financial Instruments: Commercial Papers, Certificate of Deposits, Treasury Bills, Commercial Bills, Gilt-edged Securities, Equity Shares, Dematerialisation, Preference Shares, Debentures, Warrants and Convertibles, ADRs and GDRs, Derivatives- Options and Futures,

Module - III : Indian Financial Institutions:

Commercial Banks- Roles, Functions, Regulations, Public Sector, Private Sector and Foreign Banks, Development Banks: IFCI, IDBI, SFCs, NABARD, RRBs, SIDBI, IIBI, Non-Banking Financial Institutions, Insurance Companies- Public and Private, Investment Policy, Regulatory Authority

Text Books:

1. Financial Markets and Institutions, S Gurusamy, Thomson
- 2.; Management of Indian Financial institutions, Srivastava, Nigam HPH
3. Financial Services in India, Kothari, Sage

ELECTIVE COURSES

HR

MBA-305C:	Human Resource Planning
MBA-306C:	Compensation Management
MBA-307C:	Performance Management
MBA-308C:	Human Resource Development
MBA-403C:	Employment Legislations
MBA-404C:	Organizational Change and Development
MBA-405C:	Industrial Relations
MBA-406C:	Cross Cultural and Global HRM

MBA-305C: HUMAN RESOURCE PLANNING

Module - I: Human Resource Planning:

Concept and Objectives of HRP, Types of HR plan, Factors affecting HRP, Approaches-Social Demand Approach, Rate of Return Approach and Manpower Requirement Approach, Evolution and growth of HRP, Qualitative and Quantitative Dimensions of HRP, Labour Market Behaviour and its impact on HRP.

Human Resource Information System: Concept, Objectives of HRIS, Types of information, sources of information, Method of data collection, Procedure of maintaining HRIS at macro and micro level.

Module - II: Human Resource Planning Process:

Forecast and Projection, types of HR forecasts, Methods of HR demand forecasting at macro and micro level. Supply forecasting- Wastage analysis, Age population balance, Pattern of internal movements of employees in the organization.

Module - III: Career planning

Succession Planning: concept, objectives and process, Career planning and development, Stages of career, Early Career and Mid-career crisis and its management. Human Resources Audit: Scope, Characteristics and Process of HR audit, Human Resource Accounting.

Recommended Books:

1. Human Resource Planning, Bhattacharya - EB
2. Human Resource Planning and Audit, Arun Sekhri - HPH
3. Strategic Human Resource Planning, Vivek Paranjpe, Allied
4. Strategic Human Resource Planning, Belcourt and Mc Bey - Cengage
5. Strategic Staffing, Phillips, Gully - Pearson

MBA-306C: COMPENSATION MANAGEMENT

Module - I: COMPENSATION MANAGEMENT

Conceptual Framework of Compensation Management: Concept and Components of Wages, Theories of wages: Subsistence theory, Wage Fund Theory, Marginal Productivity theory, Residual claimant theory, Bargaining theory, Criteria of wage fixation. Methods of Payment, Broad- banding, Executive compensation, Emerging trends of compensation management in IT industries.

Module - II: WAGE DETERMINATION:

Principles of wage and salary administration, Job Evaluation: Concept, Scope, Methods and techniques, Performance based pay systems; Knowledge based pay system, market based pay system, Incentive based pay system, Types of incentive plans, Wage differentials.

Module - III: WAGE ADMINISTRATION IN INDIA:

Wage Policy in India, Methods of wage determination in India, The Pay Commission, Wage Boards: Structure, Scope and functions, Role of Collective bargaining in wage determination, The Rate of Minimum Wages Act.

Recommended Books:

1. Understanding Wage and Compensation System, A.M. Sharma, HPH
2. Compensation and Reward Management, B.D. Singh - EB
3. Compensation, Milkvich et al, Mc Graw Hill
4. Compensation Management in a Knowledge – Based World, Henderson - Pearson

MBA-307C: PERFORMANCE MANAGEMENT

Module - I: Performance Management (PM) Conceptual Frame Work:

Introduction to Performance Management, nature, scope, importance, process of Performance Management, link between Performance Management and Performance Appraisal, Benefits of Performance Management, Performance Planning, Role Analysis and Evaluating Performance Management.

Performance Appraisal & Potential Appraisal:

Meaning of Performance appraisal, methods and approaches to performance appraisal, Obstacles in appraisal, Designing appraisal for better results, Performance Appraisal Interview, Potential Appraisal.

Module - II:

360⁰ feedback, Assessment centers, Performance reviews, Coaching and Counseling, Performance Management in Manufacturing, Services and IT Sector with special reference to NALCO, State Bank of India, Infosys and ITC, Strategies for improving performance. Performance Management and development, Performance Management and pay.

Module - III: Performance Management Application & Improvement:

Performance Management for Teams, Performance Management in practice, Analyzing Performance problems. Performance counseling- Concept, Principles and Skills competency based Performance Management.

Performance Management linked Reward Systems- Reward Management, Objectives, Components of Reward System, Linkage of Performance Management to Reward and Compensation Systems “Do only what you get paid for” Syndrome, Types of pay for Performance Plans – Individual based, Team Based, Plant Wide Plans and Corporate Wide Plans.

Recommended Books:

- a. Performance Management, Aquinis - Pearson
- b. Performance Management, Chadha, Macmillan
- c. Performance Management, Armstrong, Michael, Baron, Jaico
- d. Performance Management, Cardy – PHI
- e. Performance Management, Kohli, Deb – Oxford
- f. Performance Management, D Sharma, HPH
- g. Performance Management System, R.K. Sahu – EB
- h. Performance Management and Appraisal, TV Rao, Sage

MBA-308C: HUMAN RESOURCE DEVELOPMENT

Module - I: Evolution & Concept of HRD

Concept, importance, objectives, evolution of HRD, Relationship between HRM and HRD/Training. HRD functions, Role of an HRD Professional, HRD climate & its elements, HRD Matrix, HRD Process, HRD Process models, Role of line Managers in HRD.

Assessing HRD needs: Concept and purpose of Needs Assessment, Training HRD Need, Techniques of training Need Assessment (TNA), Levels of Need Analysis. Task analysis, Persons Analysis, Organizational analysis,

Module - II: Implementing HRD Programmes

Learning and HRD- Learning and Instruction, Maximizing Learning, Individual Differences in the Learning Process, Learning Strategies and Styles. HRD Interventions – Strategy and Types and Evaluating.

Introduction, Training Delivery Methods, On the job (OJT) Training Methods – JIT, Simulation, Job Rotations, Coaching and Mentoring Classroom Training Approaches – Lecture approach, Discussion Method, Experiential Methods, Computer based Training Methods.

Module - III : Organisational Development & HRD

Evaluation – Purpose of HRD Evaluation, Models and Framework of Evaluation – Kirkpatrick's framework and other Models. Data collection for Evaluation, Research Design, Ethical Issues, Assessment of the Impact of HRD Program.

Organizational Development- Concepts and Theories. Organizational Culture-Work force diversity & HRD, Managing Workforce Diversity, labour Market changes, adapting to demographic changes. HRD practices in manufacturing and services sector. Issues and Challenges of HRD In cross-cultural environment for Global workforce.

Recommended Books:

1. Human Resource Development, Dr. D.K. Bhattacharya – HPH
2. Human Resource Development, Werner / Desimone - Cengage
3. Human Resource Development, T.V. Rao, Oxford
4. Organization Development and Transformation, Mc Graw Hill
5. Human Resource Development and Management, A.M. Sheikh, S. Chand

MBA-403C: EMPLOYMENT LEGISLATIONS

Module - I: Labour Legislation:

Need, objectives, scope, growth of labour legislation in India. Legislations on working conditions, Factories Act, 1948, Mines Act 1952, Contract Labour (Regulation and Abolition) Act, 1970.

Module - II: Legislations concerning wages

Payment of Wages Act, 1936, Payment of Bonus Act 1965, Equal Remuneration Act, 1976, The Workmen's Compensation Act, 1923, Employees' State Insurance Act, 1948, The Employees Provident Fund Act, 1952 & 1995.

Module - III: Industrial Relations Legislations

Payment of Gratuity Act, 1972, Indian Trade Union Act 1926, Industrial Employment Standing Order Act, 1946, Industrial Dispute Act 1947.

Recommended Books:

1. Industrial Jurisprudence & Labour Legislation, A.M. Sharma, HPH
2. Industrial Relations, Trade Union & Labour Legislation, Sinha, Sinha, Shekhar, Pearson
3. Labour Laws, Taxmann
4. Industrial and Labour Legislations, L.M. Porwal and Sanjeev Kumar - Vrinda

MBA-404C: ORGANIZATIONAL CHANGE & DEVELOPMENT

Module - I: Organisational Change:

Concept, forces and types of organizational change - External and Internal, Recognizing the need for change, problem diagnosis, The Six-Box organizational Model, The 7-S framework, Identifying alternate change techniques , Resistance to change, Managing resistance to change, The process of organizational change. Incremental Change Vs Disruptive Change.

Module - II: Managing Change :

Managing Change: Planning, Creating the support system, Internal Resource Persons (IRP) and External agent, managing the transition, organization restructuring, reorganizing work activities, strategies, process oriented strategies, competitor and customer oriented strategies.

Module - III: Organisational Development:

Organisational change and process Consultation, Organisation Development - OD process, OD Interventions, Action Research orientation, Evaluating OD Effectiveness.

Managers as change agents, Internal and external change agents, Organizational change and its management in manufacturing and service sectors- Power sector reforms in Orissa.

Recommended Books:

1. Managing Organizational Change, Palmer Dunford Avin - TMH
2. Management of Organization Changes, K. Harigopal, Response Book
3. Organization Change & Development, Kavita Singh, Excel
4. Organisational structure change and management, Bhattacharya, HPH
6. Training in Organizations, Goldstein, Ford - Cengage.

MBA-405C: INDUSTRIAL RELATIONS

Module - I : Industrial Relation:

Concept, Scope and Approaches to Industrial Relations- Unitary, Pluralistic, and Radical approach, Industrial Relations Systems (IRS), Values in IR. Role of State in Industrial Relations in India.

Trade Unionism: Concept, structure and function, Union Registration and Recognition, Theories on Trade Unionism- Selling Pearl man, Sidney and Beatrice Webb, Karl Marx, Robert Hoxie and Mahatma Gandhi, White Collar Trade Unions, Trade Union Movement in India.

Module - II: Industrial Dispute: causes, types, methods of settlement of dispute in India, Code of Discipline and Grievance Management.

Collective Bargaining: Meaning, Concept and functions, Types of Bargaining, Process of Bargaining, Emerging Trends in Collective Bargaining, Theories of Collective Bargaining by M.W. chamberlain, Allan Flanders, Walton Mckersie and Sidney & Beatrice Webb. Levels of bargaining and agreements, negotiation techniques and skills.

Module - III: Tripartism and IR, ILC & SLC. ILO- Structure and Functions. Conventions and Recommendations. Bipartism link with Tripartism, Strengthening Tripartite Social Dialogue.

Workers Participation in Management: Concept, Scope, Levels and functions, Farms of Workers' Participation, Workers Participation in other countries.

Recommended Books:

1. Industrial Relations, C.S. Venkata Ratnam, Oxford
2. Industrial Relations, Trade Unions & Labour Legislation, Sinha & Shekhar, - Pearson
3. Dynamics of Industrial Relations, Mamoria, Gankar – HPH
4. HRM & Industrial Relations, P. Subba Rao, HPH
5. Industrial Relations, Monappa – TMH
6. Industrial Relations, Balasubramanian - Everest Publishing House
7. Employee Relation P N Singh, Niraj Kumar - Pearson

MBA-406C CROSS CULTURAL AND GLOBAL HRM

Module - I ; Global Business Environment and Human Component :

Global Business Environment and Human and Cultural variables and Cross cultural differences and managerial implication; cross cultural research methodology and Hofstede study.

Module - II ; Cross Cultural management :

Cross Cultural Leadership and Decision making, Cross Cultural Communication and negotiation.

Module - III : International Human Resource Management:

Approaches; International Recruitment and Selection, Performance Management and Training and Development, International HRM roles in multinational organizations, Expatriate problem, International Compensation, Repatriation.

Key issues in International Labour Relations :

Labour Unions and International Labour Relations, HRM practices in countries specially in Japan, Germany, Netherlands, Scandinavian Countries, USA.

Reference Books

1. International HRM, P.Subba Rao, HPH
2. Cultures Consequence ; International Differences in Work related Values, G. Hofstede – – Sage
3. International Dimensions of Human Resource Mgt. , Doweing , P.J. – End Edition Words Worth
4. International HRM, A. Harzing, Sage

ELECTIVE COURSES

Information Technology

MBA-305D:	Software Management
MBA-306D:	E-Business
MBA-307D:	Networking Management
MBA-308D:	Computer Aided Management
MBA-403D:	System Analysis & Design
MBA-404D:	Data Base Management
MBA-405D:	Information Security & Cyber Law
MBA-406D:	Object oriented program with Java

MBA-305D: SOFTWARE MANAGEMENT

Module - I : Introduction:

The Software Engineering Discipline – Evolution And Impact; Programs Vs. Software Products; Why Should Software Engineering; Emergence Of Software Engineering: Early Computer Programming, High-level Language Programming, Control Flow-based Design, Data Structure-oriented Design, Data Flow-oriented Design, Object-oriented Design; Software Life Cycle Models; Classical Waterfall Model; Iterative Waterfall Model; Prototyping Model; Evolutionary Model; Spiral Model
Software Project Management; Responsibilities Of A Software Project Manager; Project Planning; Materials For Project Size Estimation: Lines Of Code (Loc), Function Point Metric; Project Estimation Techniques: Empirical Estimation Techniques, Heuristic Techniques, Analytical Estimation Techniques; Empirical Estimation Techniques: Expert Judgment Technique, Delphi Cost Estimation; Cocomo – A Heirostoc Estimation Technique: Basic Cocomo Model, Staffing Level Estimation: Norden’s Work, Putnam’s Work
Risk Management: Risk Identification, Risk Assessment, Risk Containment

Module - II: Classical Analysis & Design Of Software

Requirements Gathering And Analysis; Software Requirements Specification (Srs): Contents Of The Srs Document, Functional Requirements, Traceability , Characteristics Of A Good Srs Document;
Software Design; Cohesion And Coupling, Classification Of Cohesiveness, Classification Of Coupling; Software Design Approaches: Function-oriented Design, Object-oriented Design; Function-oriented Software Design; Overview Of Sa/Sd Methodology; Structured Analysis; Data Flow Diagrams (Dfds): Primitive Symbols Used For Constructing Dfds, Some Important Concepts Associated With Designing Dfds; Structured Design: Flow Chart Vs. Structure Chart, Transformation Of A Dfd Model Into A Structure Chart;

Module - III : Object Oriented Software Analysis & Design

Object Modelling Using Uml; Unified Modelling Language (Uml): Uml Diagrams Use Case Model: Representation Of Use Cases, Use Case Packaging; Class Diagrams; Interaction Diagrams; Activity Diagrams; State Chart Diagram Object-oriented Software Development; Design Patterns

Software Quality: Coding: Coding Standards And Guidelines; Code Review: Code Walk-throughs, Code Inspection; Testing: Verification Vs. Validation, Design Of Test Cases; Unit Testing; Black-box Testing; White-box Testing; Debugging; Integration Testing; System Testing: Performance Testing; Software Reliability And Quality Management: Software Reliability: Reliability Metrics, Statistical Testing; Software Quality; Software Quality Management System: Evolution Of Quality System; Sei Capability Maturity Model: Comparison Between ISO 9000 Certification And Sei/Cmm; Six Sigma

Recommended Books:

1. Fundamentals of Software Engineering, Mall, Rajib, PHI.
2. Software Engineering - A Practitioner’s Approach , Roger Pressman, TMH

4. Software Engineering, Sommerville, Pearson.
5. An Integrated approach to Software Engineering, Jalote, Pankaj , Narosa.
6. Software Project Management, Hughes & Cotterell, TMH
7. Project Mgmt., Maylor, Pearson Education
3. Software Engineering Project Management – Edited by Richard H.Theyer - Wiley.

MBA-306D: E-BUSINESS

Module - I : INTRODUCTION

Definition of E-commerce, Unique Features of E-commerce Technology: Ubiquity, Global Reach, Universal Standards, Richness, Interactivity, Information Density, Personalization/ Customization, Social Technology: User Content Generation and Social Networking., Web 2.0, Play My version; Growth of the Internet and the Web, Origins and Growth of E-commerce, Insight on Technology: Spider Webs, Bow Ties, Scale-Free Networks and Deep Web Technology and E-commerce in Perspective

E-Business Technologies

The Internet: Key Technology Concepts: Packet Switching, Transmission Control Protocol/Internet Protocol (TCP/IP), IP Addresses, Domain Names, DNS, and URLs, Client/Server Computing

The Internet Today: The Internet Backbone, Internet Exchange Points, Campus Area Networks (CANs), Internet Service Providers, Intranets and Extranets, Who Govern the Internet?

Building an E-commerce Website: Planning: The Systems Development Life Cycle, Systems Analysis/Planning: Identify Business Objectives, System Functionality and Information Requirements. , System Design: Hardware and Software Platforms, Building Your-Own versus Outsourcing, Host your Own versus Outsourcing,

Module - II: E-Business Models : Eight Key Elements of a Business Model: Value Proposition, Revenue Model, Market Opportunity, Competitive Environment, Competitive Advantage, Market Strategy, Major Business to-Consumer (B2C) Business Models: Portal, E-tailer, Insight on Technology: Search, ads and Apps: The future for Google, (and Microsoft), Content Provider, Transaction Broker, Market Creator, Service Provider, Community Provider

Major Business-to-business (B2B) Business Model: E-distributor, E-Procurement, Exchanges, Insight on Business: Onvia Evolves, Industry Consortia, Private Industrial Networks, Business Models in Emerging E-commerce Areas: Consumer-to-consumer (C2C) Business Models, Peer-to-peer (P2P) Business Models, M-commerce Business Models , E-Commerce Enablers: The Gold Rush Models, Insight on Society: Is Privacy Possible in a Wireless World?,

How the Internet and the Web Change Business: Strategy, Structure, and Process, Industry structure , Industry Value Chains, Firm Value Chains, Firm Value Webs, Business Strategy

BACK OFFICE AUTOMATICS FOR E-BUSINESS

BUILDING THE E-BUSINESS BACKBONE: ENTERPRISE RESOURCE PLANNING:

The Basics of Enterprise Resource Planning, ERP Decision = Enterprise Architecture Planning
ERP Implementation, ERP Architecture and Toolkit Evolution

IMPLEMENTATION SUPPLY CHAIN MANAGEMENT AND E- FULFILLMENT: The Basics of Supply Chain Management, Internet-Enabled SCM, E-Supply Chain Fusion, Management Issues in e-supply Chain Fusion, The continuing Evolution of e-Supply Chains, A Roadmap for Managers

DEMYSTIFYING E-PROCUREMENT: BUY-SIDE, SELL-SIDE, NET MARKETS AND TRADING EXCHANGES: Evolution of e-Procurement Models, Evolution of Procurement Processes, e-Procurement Infrastructure Integrating Ordering, Fulfillment, and payment, E-Procurement Analysis and Administration Applications, Marketplace Enables, A Roadmap for e-Procurement Managers

Module - III : MOVING TO E-BUSINESS : SPOTTING E-BUSINESS TRENDS, Trends Driving e-business, Customer-Oriented Trends, e-Service Trends, Organizational Trends, Employee Megatrends, Enterprise Technology Trends, General Technology Trends, What These 20 Trends Have in Common

DIGITIZING THE BUSINESS: E-BUSINESS PATTERNS, e-Business Patterns: The Structural Foundation, The e-Channel Pattern, The Click-and-Brick Pattern, The e-Portal Pattern, The e-Market Maker Pattern, The Pure-E “Digital Products” Pattern

THINKING E-BUSINESS DESIGN: MORE THAN TECHNOLOGY, The Race to Create Novel e-Business Designs, Step: 1: Self – Diagnosis, Step: 2: Reverse the Value Chain, Step: 3: Choose a Focus, Step 4: Execute Flawlessly, Lessons from e-Business Design

ETHICAL, SOCIAL AND POLITICAL ISSUES

Understanding Ethical, Social, and Political Issues in E-commerce, A Model for organizing the issues, Basic Ethical Concepts: Responsibility, Accountability, and Liability, Analyzing Ethical Dilemmas, Candidate Ethical Principles, Privacy and Information Rights, Information Collected at E-commerce Sites, Profiling and Behavioral Targeting, The Internet and Government Invasions of Privacy;, E-commerce Surveillance, Legal Protections, Informed Consent, Intellectual Property Rights, Types of Intellectual Property Protection, Copyright: The Problem of Perfect Copies and Encryption , Patents: Business Methods and Processes, Trademarks: Online Infringement and Dilution, Challenge: Balancing the Protection of Property with other values,

Recommended Books:

1. e-Business 2.0 , Kalakota, Robinson, Pearson.
2. e-Commerce: Business Technology & Society, Laudon and Traver, Pearson
3. Electronic Commerce - Technologies & Applications, Bhaskar Bharat, TMH
4. Global E-Commerce, Christopher J. & Clerk T.H.K., University Press
5. E-Commerce An Indian Perspective, Joseph P.T., PHI
6. Beginning E-Commerce, Reynolds , SPD
7. E – Commerce : Strategy Technologies & Applications, Whiteley, David, Tata McGraw Hill.

MBA-307D: NETWORKING MANAGEMENT

Module - I : Introduction to Networks

Need for computer networking, components of a data communication system, direction of data flow (simplex, half-duplex, full-duplex).

Types of networks: LAN, MAN, WAN; concepts of Internet, Intranet, Extranet, WWW.

Network topology, transmission media.

Applications of networking in business and society.

Concepts of data transmission, signal encoding, modulation methods, synchronization, multiplexing and concentration, coding method, cryptography.

Module - II : OSI Model and Data Link Technologies

Communication system architecture – OSI reference model, Topology types, selections, design, Local area networks (LAN), CSMA / CD, token bus, token ring techniques, link level control (LLC) protocols, HDLS, analysis of protocols & performance

Network and Transport Layers

Network Layer: IP addressing, IP routing, Routing Protocols: RIP, OSPF, DHCP, DNS, IPV6, other functions in network layer

Transport Layer: TCP, UDP, ports and sockets, Sessions and Connections, client-server implementation

Basic Network Services

Telnet, FTP, SMTP and POP, HTTP,

Module - III: Advanced Topics

Mobile Computing: Introduction to mobile technology, concept of GPRS, Wireless Application Protocols & other protocols, concept of bluetooth.

Network Security & Privacy: overview, purpose, spamming, cryptography (ciphering, DES, RSA -concept only), authentication (concept only) and firewall.

Recommended Books:

1. Internetworking with TCP / IP, Vol – 1, PHI/, Comer, Pearson Education
2. Data Communication & Networking, Forouzan, TMH.
3. Data and Computer Communications, Stallings, W., Pearson Education
4. Computer Networks, Tanenbaum, Pearson Education
5. Computer Networks for Scientists & Engineers, Zheng, OUP
6. Computer Networks – Tanenbaum – Pearson

MBA-308D: COMPUTER AIDED MANAGEMENT

Module - I : Management and Decision Support Systems

Management Support Systems: Introduction, Objective and Characteristics, Collaborative Computing Technologies: Group Support System, Technologies, Data Reviewing Concept and Applications.

Decision Support Systems:

Introduction to Decision Support Systems, Decisions and Decision Makers, Decision in the Organization, Modeling Decision Processes, Group Decision Support and Groupware Technologies, Executive Information Systems, Designing and Building Decision Support Systems, Implementing and Integrating Decision Support Systems.

Module - II: Knowledge Management

Knowledge Management: Concepts, Development Methods, Technologies & Tools, Electronic Document Management. Case Study.

Knowledge - Based Decision Support: Artificial Intelligence (AI): Concept, Definition, AI Vs Natural Intelligence. Expert System: Concept, Structure, Working, Benefits & Limitations. Knowledge Acquisition & Validation: Scope, Methods, Validation, Verification, Analysing, Coding, Documenting & Diagramming. Knowledge Representation, Inference Techniques, Intelligence System Development. Fuzzy Logic, Genetic Algorithm

Module - III: Data Warehouse and Data Mining

Data Warehousing : Access, Analysis, Mining & Visualization; OLAP & OLTP

Data Mining: What is Data Mining?, Motivating Challenges, The Origins of Data Mining, Data Mining Tasks, Exploring Data: Summary Statistics, Visualization, OLAP and Multidimensional Data Analysis, Classification: Preliminaries, General Approach to Solving a Classification Problem, Decision Tree Induction, Model Overfitting, Evaluating the Performance of a Classifier, Methods for Comparing Classifiers, Association Analysis: Problem Definition, Frequent Itemset Generation, Rule Generation, Compact Representation of Frequent Itemsets, Alternative Methods for Generating Frequent Itemsets, FP-Growth Algorithm, Evaluation of Association Patterns, Effect of Skewed Support Distribution

Advanced Topics

Neural Computing : Fundamentals, Types of Neural Networks, Neural Network Application, Development, Architecture, Learning Algorithms, Neural Network Software & Hardware, Benefits & Limitations of Neural Networks.

Grid Computing: Overview.

Implementing & Integrating Management Support Systems: Issues, Strategies, Generic Models, Integrating EIS, DSS, ES & Global Integration.

Recommended Books:

1. Decision Support System & Intelligent System, Turban, Aronson, Pearson.
2. BUSINESS INTELLIGENCE: DATA MINING AND OPTIMIZATION FOR DECISION MAKING, VERCELLIS CARLO , Wiley
3. INTRODUCTION TO KNOWLEDGE MANAGEMENT: KM IN BUSINESS, GROFF TODD R & JONES THOMAS

MBA-403D: SYSTEM ANALYSIS AND DESIGN

Module - I: Overview of Systems Analysis & Design:

Business Systems Concepts, Systems Development Life Cycle(SDLC), Life cycle models (Waterfall model, Prototyping model, Incremental model, Spiral model, RAD model), Feasibility Analysis, Design, Implementation, Testing & Evaluation.

Business Process Re-engineering: Concepts, Process involved; Case study.

Analysis and Design Methodologies

System Requirement Specification & Analysis: Fact finding techniques, data - flow Diagrams, data dictionaries, process organization & interactions, decision analysis, standards (IEEE/ ISO). Data Modeling & Analysis.

Detailed Design Modularization: Module Specification, File Design, Systems Development involving Data Bases. Structured Design Methodology(SDM). Database Design. Output Design. Input Design. User Interface Design.

Module - II: Object-Oriented Analysis & Design

Modeling System Requirements using 'USE CASES'. Object Modeling: Object Structure, Object Features, Classes & Objects, Key Concepts of object oriented approach, Object Representation methods, Object Status, State Diagram, Modeling behaviour in object Modeling - use cases, Object oriented Analysis, Object oriented Design, Modeling & Design using UML, Activity Diagram & Swim lane Diagram, Sequence & Collaboration Diagram. OO Testing strategies & techniques.

Module - III: System Control & Quality Assurance through testing

Design Objectives reliability & maintenance, Software Design & documentation tools, top – down, bottom – up and variants. Testing strategies & techniques: Unit and integration testing, testing practices and plans; System Controls, Audit Trails, CASE Tools.

Hardware & Software Selection:

Hardware acquisition, memory , process, peripherals, Benchmarking, Vendor selection, Software selection – operating system, languages, Language Processes, performance & acceptance criteria.

Recommended Books:

1. Analysis & Design of Information Systems, Senn: McGraw Hill International.
2. Object Oriented Analysis & Design, Booch, Grady
3. Modern System Analysis & Design, Hoffer: Pearson Education.
4. System Analysis & Design, Kendall: Pearson.
5. Systems Analysis & Design, Kiewycs, Igor Hawrysz: PHI
6. Systems Analysis and Design, Rajaraman V., PHI
7. UML- Reference Manual, Rambaugh, Jacobson, Booch: Pearson.
8. Structured System Analysis and Design, ISRD, Tata McGraw Hill.
9. Systems Analysis and Design, N Cock, Sage

MBA-404D: DATABASE MANAGEMENT

Module - I : Introduction

Database-System Applications, Purpose of Database Systems, View of Data, Database Languages, Relational Database, Database Design, Object-Based and Semistructured Database, Data Storage and Querying , Transaction Management, Data Mining and Analysis, Database Architecture, Database Users and Administrations, History of Database Systems

Relational Model

Relational Model: Structure of Relational Database, Fundamental Relational-Algebra Operations, Additional Relational-Algebra Operations, Extended Relational-Algebra Operations, Null Values, Modification of the Database

SQL: Background, Data Definition, Basic Structure of SQL Queries, Set Operations, Aggregate Functions, Null Values, Nested Subqueries , Complex Queries, Views, Modification of the Database, Joined Relations,

Module - II : DATABASE DESIGN METHODOLOGY

Database Design and the E-R Model: Overview of the Design Process, The Entity-Relationship Model, Constraints, Entity-Relationship Diagrams, Entity-Relationship Design Issues], Weak Entity Sets, Extended E-R Features, Database Design for Banking Enterprise, Reduction to Relational Schemes, Other Aspects of Database Design

Relational Database Design: Features of Good Relational Designs, Atomic Domains and First Normal Form, Decomposition Using Functional Dependency Theory , Functional-Dependency Theory, Decomposition Using Functional Dependencies, Decomposition Using Multivalued Dependencies;

Application Design and Development: User Interfaces and Tools, Web Interfaces to Database, Web Fundamentals, Servlets and JSP, Building Large Web Applications, Triggers, Authorization in SQL, Application Security,

Module - III : Integrity Issues in Database

Backup and Recovery: Overview of Integrity Control Functions, The Processes of Database Backup and Recovery, Backup Strategies, Summary Chart of Traditional Backup and Recovery Strategies, Residual Dump Backup Strategy, Variables in the Backup Process, Process Checkpoint and Restart,

Quality Control and Concurrent Update: Data Validation, Update Authorization, Concurrent Update Control, Update Synchronization;

Access Control and Encryption: Data Access Control Policies and Approaches, A General Model of Data Access Control, User Identification and Authentication, Authorization, Controlling Inferences from Statistical Data, Encryption, Threat Monitoring and Audit Trail;

Advanced Topics

Database-System Architecture: Centralized and Client-Server Architecture, Server System Architectures, Parallel Systems, Distributed Systems, Network Types,

Parallel Database: Introduction, I/O Parallelism, Interquery Parallelism, Intraquery Parallelism, Intraoperation Parallelism , Interoperation Parallelism , Design of Parallel Systems,

Distributed System: Homogeneous and Heterogeneous Database, Distributed Data Storage, Distributed Transactions, Commit Protocols, Concurrency Control in Distributed Database, Availability, Distributed Query Processing, Heterogeneous Distributed Database, Directory Systems

Data Analysis and Mining: Decision-Support Systems, Data Analysis and OLAP, Data Warehousing, Data Mining,

Recommended Books:

1. Fundamentals of Database System, Elmasri, Navathe : Pearson Education.
2. Database System Concepts, Silberschatz, Korth, Sudarshan : McGraw Hill International.
3. An Introduction to Database System, Date : Pearson Education.
4. Database Management, Bipin Desai
5. Database System , Molina, Ullman, Widom : Pearson Education.
6. Fundamentals of Relational Databases, Schaum's Outline Series : Tata McGraw Hill.
7. The Oracle 9i Complete Reference, Loney & Koch: Oracle Press
8. SQL & PL/SQL , Ivan Bayross : BPB

MBA-405D: INFORMATION SECURITY & CYBER LAW

Module - I: Cryptography and security

CRYPTO BASICS: How to Speak Crypto, Classic Crypto, Simple Substitution Cipher, Cryptanalysis of a Simple Substitution, Definition of Secure, Double Transportation Cipher, One-Time Pad, Modern Crypto History, A Taxonomy of Cryptography, A Taxonomy of Cryptanalysis;

SYMMETRIC KEY CRYPTO: Introduction, Stream Ciphers, A5/1, RC4, Block Ciphers, Feistel Cipher, DES, AES, Block Cipher Modes, Integrity;

PUBLIC KEY CRYPTO: Introduction, Knapsack, RSA, Repeated Squaring, Public Key Notation, User for Public Key Crypto, Confidentiality in the Real World, Signature and Non-repudiation, Confidentiality and Non-repudiation, Public Key Infrastructure;

Access Control

AUTHENTICATION: Passwords, Keys Versus Passwords, Choosing Passwords, Attacking Systems via Passwords, Password Verification, Math of Password Cracking, Other Password Issues, Biometrics, Types of Errors, Biometric Examples, Biometric Conclusions, Something You have, Two-Factor Authentication, Single Sign- on and Web Cookies;

AUTHORIZATION: Access Control Matrix, ACLs and Capabilities, Confused Deputy, Multilateral Security, Multilateral Security, Convert Channel, Inference Control, CAPTCHA, Firewalls, Packet Filter, Stateful Packet Filter, Application Proxy, Personal Firewall, Defense in Depth, Intrusion Detection, Signature-Based IDS, Anomaly-Based IDS;

Module - II : SECURITY IN SOFTWARE

SOFTWARE FLAWS AND MALWARE: Software Flaws, Buffer Overflow, Incomplete Mediation, Race Conditions, Malware, Brain, Morris Worm, Code Red, SQL Slammer, Trojan Example, Malware Detection, The Future of Malware, Cyber Diseases Versus Biological Diseases, Miscellaneous Software-Based Attacks, Salami Attacks, Linearization Attacks, Time Bombs, Trusting Software

INSECURITY IN SOFTWARE: Software Reverse Engineering, Anti-Disassembly Techniques, Anti-Debugging Techniques, Software Tamper Resistance, Guards, Obfuscation, Metamorphism Revisited;

Digital Rights Management: What is DRM?, A Real-World DRM System, DRM for Streaming Media, DRM for a P2P Application, DRM in the Enterprise, DRM Failures, DRM Conclusions

OPERATING SYSTEM AND SECURITY: Operating System Security Functions, Separation, Memory Protection, Access Control, Trusted Operating System, MAC, DAC and More, Trusted Path, Trusted Computing Base, Next Generation Secure Computing Base, NGSCB Feature Groups, NGSCB Compelling Applications, Criticisms of NGSCB;

Module - III: SECURITY PLANNING AND IMPLEMENTATION

Risk Management: An Overview of Risk Management, Risk Identification, Risk Assessment, Risk Control Strategies, Selecting a Risks Control Strategy, Quantitative versus Quantitative

Risk Control Practices, Risk Management Discussion Points, Recommended Risk Control Practices,

Planning and Implementing Security: Information Security Policy, Standards and Practices, The Information Security Blueprint, Control Strategies, Information Security Project Management, Technical Topics of Implementation, Nontechnical Aspects of Implementation, Information Systems Security Certification and Accreditation,

Cyber Law

Legal, Ethical and Professional Issues in Information Security, Introduction, Law and Ethics in Information Security, Relevant U.S Laws, International Laws and Legal Bodies, Ethics and Information Security, Codes of Ethics and Professional Organizations;

Reference Books:

1. Information Security: Principles and Practice, Stamp, Wiley
2. Principles of Information Security, Whitman and Mattford, Cengage/Thomson
3. Cryptography Security And Network Security, Forouzan, TMH
4. Cryptography Security And Network Security, Kahate, TMH
5. Charles P. Pfleeger, Shari Lawrence Pfleeger, PHI.
6. Cryptography & Network Security: William Stalling.
7. Information Security for Management – Venugopal Iyengar - HPH

MBA 406 D :Object Oriented Program with Java

Module - I Object Oriented Concepts :

Concept of objects, Concept of Messages, Concept of Classes, Concept of Inheritance.

Java Programming Language :

Variables and data types, Operators, Expressions, Control Flow Statements, Arrays and Strings.

Module - II Object and Classes :

Introduction to classes : members and methods, Constructors and Destructors, Life cycle of an object, Creating and Using Objects.

Module - III Advanced Feature of Classes :

Inheritance, Interfaces, Packages, Object Oriented Design Principles

Reference Books :

1. Balaguruswamy E.,- Programming with Java : A Premier, Tata McGraw Hill
2. Ken Arnold, Gosling, Holmes; The Java Programming Language – Pearson Education.

ELECTIVE COURSES

Operation Management

MBA-305E:	Technology Management
MBA-306E:	Total Quality Management
MBA-307E:	Project Operations and Management
MBA-308E:	Innovation and R & D Management
MBA-403E:	Materials Management
MBA-404E:	Supply Chain Management
MBA-405E:	Service Operations Management
MBA-406E:	Management of physical assets

MBA-305E: TECHNOLOGY MANAGEMENT

Module - I: Introduction & Technology Policy

Definition ,Technology and society ,Definition of technology ,Classifications of technology,Definition of management ,Management of technology (MOT),The conceptual frame work for (MOT), - Drivers of MOT- Significance and Scope of MOT- Role of Chief Technology Officer – Responding to Technology challenges. Technology Policy – Determinants of Nation’s Capability – Role of Government – Science and Technology policy – Status of Technology in India – Future of India

Module - II Technology Planning and Strategy Tools, Technology Acquisition

Technology Planning – Tools for Company Technology Analysis – Tools for industry Technology Analysis – Trajectories of Technology, Alliances: Formal versus Informal Alliances, Duration of an Alliance, Location: Domestic versus International Alliances Concerns in Alliances , Mergers and Acquisitions of Technology, Strategic Reasons for Mergers and Acquisitions, Types of Mergers and Acquisitions, Technology Acquisition - Methods Acquisition - Internal Development - External acquisition Sources - Acquisition decisions

Module - III Innovation Management, Technology Transfer

Definition of Innovation, Definition of Management of Innovation, The Process of Managing Innovation, Making Decisions for Managing Innovation, Tools for Managing Innovation, Process Innovations – Concept and types of process - Process Management Concerns - Types of Process innovations- Process improvement techniques – Organizing for improvements , Technology Transfer – Definition – Classification and Significance - Elements of transfer process - Types of Technology transfer

Case Study: Compulsory, Relevant Cases have to be discussed in each unit

Recommended Books:

1. Management of Technology – Track Khalil – TMH

MBA-306E: TOTAL QUALITY MANAGEMENT

Module - I: Introduction to Quality Management, its Philosophies and TQM

The history and Importance of Quality, Defining Quality, Quality as a Management Framework, Quality and Competitive Advantage, Three Levels of Quality, The Deming Philosophy, The Juran Philosophy, The Crosby Philosophy, Comparisons of Quality Philosophies, Other quality Philosophers, Quality Management Awards and Frameworks, Acceptance Sampling Techniques, Seven basic tools of quality, ISO 9000:2000, Six Sigma, Total quality management, introduction to total quality management, the evolution of total quality.

Module - II Principles and Design for Six Sigma

Kaizen, Total Productive Maintenance (TPM), Meaning, Seven Magnificent Quality Tools, Application, Poka-Yoke, Six Sigma, The Statistical basis of Six Sigma, Project Selection for Six Sigma, Six Sigma Problem Solving, Six Sigma in Services and Small Organizations, Tools for Concept Development, Tools for Design Development Tools for Design Optimization, Tools for Design Verification.

Module – III Statistical Process Control

Statistical Process Control, Specification & Limits, Charts for variables & attributes, Process Control (X, R & P chart), Summary of Control Chart Construction, Designing Control Charts Product control-acceptance sampling and OC curve, Process Improvement Methodologies, Basic Tools for Process Improvement, Other Tools for Process Improvement, Engaging the Workforce in Process Improvement

Quality Systems

ISO Systems, ISO Certification Schemes, Preparing an Organization for ISO Certification, Baldrige, Deming, Service Quality Management-Product & services, Classification, Service Quality, Total Productive Maintenance, Function Deployment, House of Quality, Offline Design of Parameters and Specifications

Case Study: Compulsory, Relevant Cases have to be discussed in each unit.

Recommended Books:

1. Total Quality Management - J.R. Evans – Cengage
2. Quality Management – Bedi - Oxford
3. Modern Methods for Quality Control and Improvement – Wardsworth/ Stephens / Godsrey – Wiley
4. Quality Management – Gitlow / Oppenheim / Levine – TMH
5. Total Quality – Bharat Wakhlu – S. Chand
6. Quality Control and Management – Evans / Lindsay – Cengage
7. Total Quality Management – K. Sridhara Bhat
8. Introduction to Statistical Quality Control – Montgomery – Wiley
9. 100 methods of TQM, Gopal Kanji, Sage.

MBA-307E: PROJECT OPERATION MANAGEMENT

Module - I : Project Management Concepts and Needs Identification

Attributes of a Project, Project Life Cycle, The Project management Process, Global Project Management, Benefits of Project Management, Needs Identification, Project Selection, Preparing a Request for Proposal, Soliciting Proposals, Project organization, the project as part of the functional organization, pure project organization ,the matrix organization, mixed organizational systems

Module - II : Project Planning and Scheduling:

Design of project management system; project work system; work breakdown structure, project execution plan, work packaging plan, project procedure manual; project scheduling; bar charts, line of balance (LOB) and Network Techniques (PERT / CPM)/ GERT, Resource allocation, Crashing and Resource Sharing

Module - III : Project Monitoring and Control and Project Performance

Planning, Monitoring and Control; Design of monitoring system; Computerized PMIS (Project Management Information System). Coordination; Procedures, Meetings, Control; Scope/Progress control, Performance control, Schedule control, Cost control, Performance Indicators; Project Audit; Project Audit Life Cycle, Responsibilities of Evaluator/ Auditor, Responsibilities of the Project Manager.

Case Study: Compulsory, Relevant Cases have to be discussed in each unit.

Recommended Books:

1. Project Management – Gido / Clements – Cengage
2. Project Management, Meredith Mantel, Wiley
3. Project Management, S.Choudhury, TMH
4. Project Management for Business and Technology – Nicholas – PHI
5. Successful Project Management – Rosenau / Githens – Wiley
6. International Project Management, K Kostar, Sage

MBA-308E: INNOVATION AND R&D MANAGEMENT

Module - I : Introduction & Managerial aspects of Innovation function

Introduction, Components of Innovation, Types of Innovations, Models of Innovation Processes, Evolution and characteristics of Innovation Management, Key drivers of Innovation, Factors influencing Innovation ,Organizing for Innovation, Factors influencing organizational design, Developing Innovation Strategy ,Characteristics of creative of creative organization.

Module - II : Research and Development Management

Introduction,, Meaning,Objectives,Significance, Classification of R&D according to R&D type, process phase, measurement level, purpose of measurement and measurement perspective. Technology development approaches, Performance of R&D management in Indian scenario.

Module - III : Financial Evaluation of R&D Projects

Introduction, Cost effectiveness of R&D,R&D financial forecasts, Project selection, Evaluating R&D ventures, Conflicting views of managers, Allocation of resources, R&D programme planning and control, Project management, Project Planning and Control techniques.

Case Study: Compulsory, Relevant Cases have to be discussed in each unit.

Recommended Books:

1. The management of technology and innovation-A strategic approach,White,Cengage
2. Innovation Management, S Moikal, Sage

MBA-404E: MATERIALS MANAGEMENT

Module - I

Materials Management: An Overview; Objectives; Evolution; Strategies; Functions; Profit Making Potential; Costs.

Module - II

Inventory Management: Stages; Selective Control; Demand Forecasting; Lead-time; Safety Stock; Fixed Quantity Reorder System; Fixed Period Reorder System; MRP and JIT systems; Inventory Valuation.

Module - III

Purchasing: Objectives; Types of Materials; Important Aspects; Procedures; Quality; Quantity, Time, Price and Source; Standardization and Codification; Vendor development; Value Analysis; Make or Buy Decisions; Negotiations; Institutional, Government and International Buying; Capital Equipment Purchases. Warehousing and Transportation: Warehouse Location; Transportation; Receiving, Issuing and Store Keeping.

Case Analysis and Presentation.

Recommended Books:

1. Materials Management, Gopalkrishna & Sudarsan, TMH
2. Materials Management-Procedures, Texts & Cases, A.K. Dutta, Pearson
3. Hand Book of Materials Management – Gopal Krishnan – PHI
4. Inventory Control and Management – Waters – Wiley
5. Procurement Principles & Mgt.– Bailey/Farmer/Crocker/Jessop– Pearson
6. Inventory Management – Principles and Practices –Narayan/Subramanian– Excel

MBA-405E: SUPPLY CHAIN MANAGEMENT

Module - I : Supply Chain Foundations:

Supply Chain as a network of entities: Role and interactions between the entities. Value Chain Focus of Supply Chain. Impact of Supply Chain Management on Sales, Cost, Profit, Profitability, Balance Sheet, Profit and Loss Account, and Customer Accounts Profitability. Centralized and Decentralized Supply Chains: their coordination and aligning business activities.

Module - II : Customer Orientation:

Customer Satisfaction oriented Supply Chain Management strategy, Customer segmentation, Customer requirements analysis, Aligning supply chain to customer needs: Quick response logistics, Vendor Managed Inventory, Cross docking, Packaging Innovations, Third Party Logistic and Service concepts and applications.

Procurement Logistics: Source Identification: Global Vs. Domestic Sourcing, Landed Cost Computation, Vendor Rating, Contract Negotiation, Consolidation, Self Certified Vendor Management, Individual component Vs. Module Purchases. Vendor Development and Vendor Relationship Management, Vendor Performance Monitoring.

Module - III : Manufacturing Logistics Management:

Lean and Agile Manufacturing, Virtual Manufacturing, Just-in-Time Manufacturing, Lead-time Components and their Compression, Lot Streaming.

Distribution Management: Distribution Channels: Structure and Operation, Distribution Cost Components, Pipe line Inventory and Response Considerations, Hub and Spoke Models, Cross docking, Carrier Selection, Vendor Consolidation, Vehicle Loading and Vehicle Routing Methods.

Case Studies

Recommended Books:

1. Text Book of Logistics and Supply Chain Management – Agarwal – McMillan
2. Business Logistics / Supply Chain Management – Ballou / Srivastava – Pearson
3. Supply Chain Management: Strategy, Planning & Operations, Sunil Chopra, Pearson
4. Global Operations and Logistics – Dornier / Ernst / Fender / Kouvelis – Wiley
5. A Logistic Approach to Supply Chain Management – Coyle / Langley / Gibson / Novack / Bardi – Cengage
6. Introduction to Operations and Supply Chain Management – Bozarth / Handfield – Pearson
7. Supply Chain Management – Sahay – Mc Millan
8. Fundamentals of Supply Chain Management, J Mentzer, Sage

MBA-406E: SERVICE OPERATIONS MANAGEMENT

Module - I

Service Operations Concept: Difference between Manufacturing and Service Operations, Service Operations Characteristics, Different Pure Service Organizations and their peculiarities, Field Service and its impact on manufacturing organizations, Field Service and Customer satisfaction.

Service Operation Strategy: Service objectives and goal formulation, Service organization: In house Vs. Outsourcing, Centralized Vs. Decentralized, Creating Customer Connection, **Enhancing** customer satisfaction, Service Operations as Profit Centre.

Module - II: Field Service Management, Service Manpower Planning & Scheduling:

Field Service Organization, Field Service Inventory Management, Field Technical Support Service, Integrating Field Service with Information Technology, Field Service Effectiveness Evaluation, Field Service and Customer Relations Management, Uncertainty in Manpower Requirements, Cyclical and Seasonal nature of demand, Queuing effect, Service Level Considerations and Cost Considerations in Manning, Linear Programming and other models of planning and scheduling.

Module - III Customer Relationship Management:

Customer requirement assessment, Customer satisfaction parameters and indices, Manpower recruitment and training, Customer feedback collection and analysis, Customer service evaluation.

IT enabled Customer Service: Call Centre Operations and Management, Web-enabled Services, ERP enabled Field and Technical Support Services, Tele marketing and servicing.

Case Study: Compulsory, Relevant Cases have to be discussed in each unit.

Recommended Books:

1. Service Management – Operations, Strategy / Information Technology : Fitsimmons and Fizzesimmons – TMH
2. Service Management & Operations, Haksever, Render, Rumel, Pearson

MBA 406E MANAGEMENT OF PHYSICAL ASSETS

Module - I : Introduction:

Plant Acquisition: Technological alternatives - Generation and Selection, Life Cycle Costing and Womb-to-Tomb approach to Equipment Selection, Technological Obsolescence Consideration, Defender-Challenger Concept and Dynamic equipment policy.

Inspection and Condition Monitoring: Inspection and routine maintenance, Preventive Maintenance and Replacement, Condition Monitoring Techniques: Vibration Analysis, SOAP, Thermographic Analysis etc., Condition Based and Reliability Centered Maintenance.

Module - II : Failure Data Analysis:

Failure data collection and statistical analysis: Failure density function, Reliability function, Hazard Rate function, Bath-tub-Curve, MTBF and MTTR calculations.

Preventive Maintenance Models:

Block, Age and Group Replacement Policies, Opportunistic Replacement Policies, Choice of Replacement Policy.

Module - III : Maintenance Planning:

Maintenance Crew size planning, Scheduling of maintenance activities, Failure Mode and Criticality Analysis, Fault Tree Analysis, Prioritizing the Maintenance Activities, Scheduling of Activities during Planned and Forced shutdowns.

Spares Parts Provisioning:

Spare parts Classification: VED, FSN and ABC Classification, Insurance Spares provisioning, Repairable and Non-repairable Spares, Optimal Rotable Spare Parts Planning, Continuous review One-for-One replacement strategy, Inventory Policy for slow moving spares.

Reference Books:

1. Jardine AKS., "Maintenance, Replacement and Reliability", Pitman.
2. Kelley, F.P., "Maintenance Planning and Control", Butterworth, 1984