SEMESTER III

MB 302: BUSINESS RESERCH METHOD

Name of the Course:	Business I	Research Method
Course Code: MB 301	Semester 1	III
Duration: 6 months	Maximum	Marks: 100
Teaching Scheme		Examination Scheme
Theory: 3hrs/week		Mid Semester exam: 15
Tutorial: NIL		Assignment and Quiz: 10 marks
		Attendance: 5 marks
Practical:		End Semester Exam : 70 Marks
Credit Points: 4		

Unit	Content	Hrs/Unit	Marks/Uni
1	RESEARCH FORMULATION AND DESIGN Motivation and objectives Research methods vs. Methodology. Types of research – Descriptive vs. Analytical, Applied vs. Fundamental, Quantitative vs. Qualitative, Conceptual vs. Empirical, concept of applied and basic research process, criteria of good research. Defining and formulating the research problem, selecting the problem, necessity of defining the problem, importance of literature review in defining a problem, literature review-primary and secondary sources, reviews, monograph, patents, research databases, web as a source, searching the web, critical literature review, identifying gap areas from literature and research database, development of working hypothesis.	10L	
2	DATA COLLECTION AND ANALYSIS Accepts of method validation, observation and collection of data, methods of data collection, sampling methods, data processing and analysis strategies and tools,data analysis with statically package (Sigma 9 78 PG STAT,SPSS for student t-test, ANOVA, etc.), hypothesis testing	10L	
3	RESEARCH ETHICS IPR AND SCHOLARY PUBLISHING Ethics-ethical issues, ethical committees (human & animal); IPR- intellectual property rights and patent law, commercialization, copy right, royalty, trade related aspects of intellectual property rights (TRIPS); scholarly publishing-IMRAD concept and design of research paper, citation and acknowledgement, plagiarism, reproducibility and accountability	10L	

4	INTERPRETATION AND REPORT WRITING	10L	
	Meaning of Interpretation, Technique of Interpretation, Precaution in		
	Interpretation, Significance of Report Writing, Different Steps in		
	Writing Project Report, Layout of the Project/Research Report, Types		
	of Reports, Oral Presentation, Mechanics of Writing a		
	Project/Research Report, Precautions for Writing Research Reports,		
	Conclusions.		
	Conclusions		

On successful completion of this course students will be able to:

- Apply an advanced understanding of business research design options, methodologies and analysis methods (both qualitative and quantitative), including respective terms, definitions and applications to the design, implementation and evaluation of a research project.
- Distil an identified business problem into a succinct research problem (or problems) and articulate this into a comprehensive research brief for investigation by a research team locally or internationally.
- This brief will include a statement of the resulting research problem and the objectives that need to be achieved to provide the information necessary to tackle the business problem and the decisions that need to be made respective to it.
- Complete, from the brief created, a research proposal for implementation at either a local or international level.
- This will include (but not be restricted to), a literature summary at the necessary level of depth to ensure a thorough understanding of what is already known about the problem to be addressed, the proposed research design, data collection, sampling, analysis methods to be employed along with an indicative time frame for each stage of the research proposed and budget.
- Apply a broad understanding of issues specific to undertaking business research across international boundaries, including cultural, geographical, language and cost related challenges and respective strategies and approaches that may be employed to solve them to the design, implementation and evaluation of a research project.
- Recognise, and take account of, the importance of ethical conduct in undertaking research, including potential implications for business relationships, effects on potential respondents and sensitivity to cultural differences and honesty and integrity in analysis and reporting in the design, implementation and evaluation of a research project.

Text book and Reference books:

- 1. Garg, B.L., Karadia, R., Agarwal, F. and Agarwal, U.K., 2002. An introduction to Research Methodology, RBSA Publishers.
- 2. Kothari, C.R., 1990. Research Methodology: Methods and Techniques. New Age International. 418p.
- 3. Sinha, S.C. and Dhiman, A.K., 2002. Research Methodology, Ess Ess Publications. 2 volumes.
- 4. Trochim, W.M.K., 2005. Research Methods: the concise knowledge base, Atomic DogPublishing. 270p.
- 5. Wadehra, B.L. 2000. Law relating to patents, trade marks, copyright designs and geographical indications. Universal Law Publishing.

Additional reading

- 1. Anthony, M., Graziano, A.M. and Raulin, M.L., 2009. Research Methods: A Process of Inquiry, Allyn and Bacon.
- 2. Carlos, C.M., 2000. Intellectual propertyrights, the WTO and developing countries: the TRIPS agreement and policy options. Zed Books, New York.
- 3. Coley, S.M. and Scheinberg, C. A., 1990, "Proposal Writing", Sage Publications.

$\frac{\text{MB 301: ENTREPRENEURSHIP \& PROJECT}}{\text{MANAGEMENT}}$

Name of the Course:	ENTREPRE	NEURSHIP & PROJECT MANAGEMENT
Course Code: MB 302	Semester III	
Duration: 6 months	Maximum Ma	rks: 100
Teaching Scheme		Examination Scheme
Theory: 5 Days /week		Mid Semester exam: 15
Tutorial: NIL		Assignment and Quiz: 10 marks
		Attendance: 5 marks
Practical: hrs./week		End Semester Exam: 70 Marks
Credit Points: 4		

Unit	Content	Hrs/Unit	Marks/Unit
ENTR	EPRENEURSHIP		
1	Introduction: Meaning and Concept of Entrepreneurship, Innovation and entrepreneurship, Contributions of entrepreneurs to the society, risk- opportunities perspective and mitigation of risks	2L	
2	Entrepreneurship – An Innovation: Challenges of Innovation, Steps of Innovation Management, Idea Management System, Divergent v/s Convergent Thinking, Qualities of a prospective Entrepreneur	2L	
3	Idea Incubation: Factors determining competitive advantage, Market segment, blue ocean strategy, Industry and Competitor Analysis (market structure, market size, growth potential), Demand- supply analysis	4L	
4	Entrepreneurial Motivation: Design Thinking - Driven Innovation, TRIZ (Theory of Inventive Problem Solving), Achievement motivation theory of entrepreneurship – Theory of McClelland, Harvesting Strategies	2L	
5	Information: Government incentives for entrepreneurship, Incubation, acceleration. Funding new ventures – bootstrapping, crowd sourcing, angel investors, Government of India's efforts at promoting entrepreneurship and innovation – SISI, KVIC, DGFT, SIDBI, Defense and Railways	4L	
6	Closing the Window: Sustaining Competitiveness, Maintaining Competitive Advantage, the Changing Role of the Entrepreneur.	2L	
7	Applications and Project Reports Preparation	4L	
PROJEC	T MANAGEMENT		-1

8	Definitions of Project and Project Management, Issues and Problems in Project Management, Project Life Cycle - Initiation / Conceptualization Phase, Planning Phase, Implementation / Execution_Phase, Closure / Termination Phase	4L	
9	Project Feasibility Studies – Pre-Feasibility and Feasibility Studies, Preparation of Detailed Project Report, Technical Appraisal, Economic/Commercial/Financial Appraisal including Capital Budgeting Process, Social Cost Benefit Analysis	2L	
10	Project Planning – Importance of Project Planning, Steps of Project Planning, Project Scope, Work Breakdown Structure (WBS) and Organization Breakdown Structure (OBS), Phased Project Planning	2L	
11	Project Scheduling and Costing – Gantt chart, CPM and PERT Analysis, Identification of the Critical Path and its Significance, Calculation of Floats and Slacks, Crashing, Time Cost Trade-off Analysis, Project Cost Reduction Methods	6L	
12	Project Monitoring and Control – Role of Project Manager, MIS in Project Monitoring, Project Audit	2L	
13	Case Studies with Hands-on Training on MS-Project	4L	

Suggested Readings:

- 1. Innovation and Entrepreneurship by Drucker, P.F.; Harper and Row 2. Business, Entrepreneurship and Management: Rao, V.S.P.; Vikas 3. Entrepreneurship: Roy Rajeev; OUP.
- 4. Text Book of Project Management: Gopalkrishnan, P. and Ramamoorthy, V.E.; McMillan
- 5. Project Management for Engineering, Business and Technology: Nicholas, J.M., and Steyn, H.; PHI
- 6. Project Management: The Managerial Process: Gray, C.F., Larson, E.W. and Desai, G.V.; MGH

BDA 301: DATA SCIENCE USING R AND PYTHON

Name of the Course:	DATA SCIENCE USING R and Python
Course Code: BDA 301	Semester III
Duration: 6 months	Maximum Marks: 100
Teaching Scheme	Examination Scheme
Theory: 3hrs/week	Mid Semester exam: 15
Tutorial: NIL	Assignment and Quiz: 10 marks
	Attendance: 5 marks
Practical:	End Semester Exam: 70 Marks
Credit Points: 3	
Unit Content	Hrs/Unit Marks/Unit

MOD	ULE-I		
1	Programming in R: Basics of R, Conditional and loops, R packages/libraries, Data mining GUI in R, Data structures in R, Exceptions/ debugging in R	2L	
2	Data Wrangling: Reading CSV, JSON, XML, .XLSX and HTML files using R,ETL operations in R, Sorting/ merging data in R, Cleaning data, Data management using dplyr in R	2L	
3	Modeling in R:Linear regression model in R, Multiple linear regressions model, Representation of regression results, Non Linear Regression	5L	
MOD	ULE-II		
4	Mining Algorithms using R: Association analysis, Market-based analysis/ rules, Apriori algorithm, Segmentation analysis- types of segmentation, k-means clustering, Bayesian clustering, Principal Component Analysis	5L	
5	Time Series Forecasting in R and model deployment: Basics of time series, Components oftime series, Time series forecasting, Deploying predictive models	5L	
6	. Case Study	2L	
MOD	ULE-III		
7	Python Basics: Python variables, expressions, statements Variables, Keywords, Operators & operands, Expressions, Statements, Order of operations, String operations, Comments, Keyboard input.	2L	
8	Conditions & Iterations: Conditions, Modulus operator, Boolean expression, Logical operators, if, if else, if-elif-else, Nested conditions, Iteration - while, for, break, continue, Nested loop.	2L	
9	Functions: Type conversion function, Math functions, Composition of functions, defining own function, parameters, arguments, Importing functions	2L	
10	. Recursion: Python recursion, Examples of recursive functions, Recursion error, Advantages & disadvantages of recursion. Strings: Strings Accessing values in string, Updating strings, Slicing strings, String methods – upper(), find(), lower(), capitalize(), count(), join(), len(), isalnum(), isalpha(), isdigit(), islower(), isnumeric(), isspace(), isupper() max(), min(), replace(), split(). List: Introduction, Traversal, operations, Slice, Methods, Delete element, Difference between lists and strings, Example program, Dictionaries - idea of dictionaries Tuples: idea of lists & tuples, Brief idea of dictionaries & tuples.	6L	
MOD	ULE-IV	I	

11	Object-Oriented Programming with Python: Concepts, Creating class, Instance objects, Accessing attributes, built in class attributes, destroying objects, Inheritance, Overloading, Overriding, Data hiding	2L	
12	Python Exceptions: Exception handling, except clause, User Defined Exceptions Regular expression- Match function, Search function, Matching VS Searching, Modifiers, Patterns	2L	
13	File Operations in Python: create, open, read, write, append, close files; Stack and Queue, Stacks and Queues using lists	2L	
14	8. NumPy, SciPy, SymPy: basic concepts Pandas: Object creation, Viewing data, Selection, Missing data, Operations, Merge, Grouping, Reshaping, Time series, Categoricals, Plotting, Getting data in/out from CSV, Excel.	3L	
15	Case Studies	2L	

COURSE OUTCOMES

After successful completion of this course, students shall be able to;

- CO1: Use analytic approaches to data warehousing and Data mining.
- CO2: The candidate will get knowledge of Data pre-processing and data quality
- CO3: Modeling and design of data warehouses
- CO4: Algorithms for data mining. Skills
- CO5: Ability to apply acquired knowledge for understanding data and select suitable methods for data analysis

- 1. R for Data Science Hadley Wickham and Garrett Grolemund
- 2. R in Action Robert Kabacoff
- 3. R for Everyone: Advanced Analytics and Graphics Jared P. Lander
- 4. The R Book Michael J. Crawley
- $5.\ R\ and\ Data\ Mining:\ Examples\ and\ Case\ Studies-Yanchang\ Zhao$
- 6. Data Analytics using R Seema Acharya, Mc Graw Hill Publication
- 7. Python Programming By Anurag Gupta, G Biswas Mcgraw Hill Education
- 8. Learn Python The Hard Way, Zed A. Shaw, ADDISON-WESLEY
- 9. Learning Python, Mark Lutz, O'REILY 4. Programming In Python, Dr. Pooja Sharma, BPB
- 10. Python Programming Using Problem Solving Approach, Reema Thareja, OUP

BDA 302: BUSINESS INTELLEGENCE

	Business Intelligence
Semester	III
Maximun	n Marks: 100
	Examination Scheme
	Mid Semester exam: 15
	Assignment and Quiz: 10 marks
	Attendance: 5 marks
	End Semester Exam: 70 Marks

Unit	Content	Hrs/Unit	Marks/Unit
1	Business Intelligence an Introduction: Introduction, Definition, History and Evolution, Business Intelligence Segments, Difference between Information and Intelligence, Defining Business Intelligence Value Chain, Factors of Business Intelligence System, Real time Business Intelligence, Business Intelligence Applications	4L	
2	Business Intelligence Essentials: Introduction, Creating Business Intelligence Environment, Business Intelligence Landscape, Types of Business Intelligence, Business Intelligence Platform, Dynamic roles in Business Intelligence	4L	
3	Business Intelligence Types: Introduction, Multiplicity of Business Intelligence Tools, Types of Business Intelligence Tools, Modern Business Intelligence, the Enterprise Business Intelligence, Information Workers	6L	
4	Architecting the Data: Introduction, Types of Data, Enterprise Data Model, Enterprise Subject Area Model, Enterprise Conceptual Model, Enterprise Conceptual Entity Model, Granularity of the Data, Data Reporting and Query Tools, Data Partitioning, Metadata, Total Data Quality Management (TDQM).	4L	
5	Introduction to Data Mining: Introduction, Definition of Data Mining, Data mining parameters, How Data Mining works?, Types of relationships, Architecture of Data Mining, Kinds of Data which can be mined, Functionalities of Data Mining, Classification on Data Mining system, Various risks in Data Mining, Advantages and disadvantages of Data Mining, Ethical issues in Data Mining, Analysis of Ethical issues	8L	·

6	Data Mining Techniques: Introduction, Statistical Perspective on Data Mining, Statistics-need, Similarity Measures, Decision Tree-Illustrations, Neural Network, Neural Network versus Conventional Computers, Kohonen's Self-Organizing Maps, Genetic Algorithms, Applications of Genetic Algorithm	4L	
7	Introduction to Data Warehousing: Introduction, Data Warehousing, Advantages and Disadvantages of Data Warehousing, Data Warehouse, Data Mart, Aspects of Data Mart, Online Analytical Processing, Characteristics of OLAP, OLAP Tools, OLAP Data Modeling, OLAP Tools and the Internet	4L	
8	Different Ways of Data Warehousing: Introduction, Types of Business Models, B2B Business Intelligence Model, Electronic Data Interchange & E-Commerce Models, Advantages of E- Commerce for B2B Businesses, Systems for Improving B2B E- Commerce, B2C Business Intelligence Model, Need of B2C model in Data warehousing, Different types of B2B intelligence Models & Case Study	6L	

On successful completion of this course students will be able to:

- Spotting business issues that need to be resolved.
- Working hard to improve and speed up decision making.
- Optimization of company processes internally.
- Greater running performance.
- Improve and strengthen advantage over its competitors.

Text book and Reference books:

- 1. Data Strategy: How To Profit From A World Of Big Data, Analytics And The Internet Of Things" by Bernard Marr.
- 2. Big Data Demystified: How To Use Big Data, Data Science And AI To Make Better Business Decisions And Gain Competitive Advantage" by David Stephenson PhD
- **3.** The Wall Street Journal Guide To Information Graphics: The Dos And Don'ts of Presenting Data, Facts, And Figures" by Dona M. Wong
- 4. Data Analytics For Beginners: Your Ultimate Guide To Learn And Master Data Analysis. Get Your Business Intelligence Right Accelerate Growth And Close More Sales" by Victor Finch
- 5. Performance Dashboards Measuring, Monitoring, And Managing Your Business" by Wayne Eckerson

ELECTIVE PAPERS

FM 301: TAXATION

Name of the	of the Course: TAXATION				
Course Code: FM 301 Semester I			III		
Duration: 6	months	Maximun	n Marks: 100		
Teaching S	cheme		Examination Schen	ne	
Theory: 5 d	ays./week		Mid Semester exam	: 15	
Tutorial: NI	IL		Assignment and Qui	iz: 10 marks	
			Attendance: 5 marks	S	
Practical: h	rs./week		End Semester Exam	: 70 Marks	
Credit Point	ts: 4				
Unit	Content			Hrs/Unit	Marks/Unit
DIREC	CT TAX				
1	Concepts: Cannons of Taxation, Person, Assessee, Income, Previous Year, Assessment Year, Gross Avoidance, Planning, Exemption, Planning, Exemption, Deduction, Rebate, Relief.			2L	
2	Residential Status an Corporate	d Tax Incid	ence: Individual and	4L	
	Income Exempted from Tax: Individual and Corporate			2L	
3	Computation of Taxa	able Income	of Individual, HUF,	8L	
4	Firm and Corporate: Heads of Income – Salaries, Income from House Pre Profits and Gains from Business or Profession, Capital Gains, Income from O sources. Deduction from Gross Total Income – 80CCC, 80D, 80DDB, 80E, 80C 80GGA, 80C, 80U; Set Off and Carry Forward of Losses – Principles, Meaning, sources and Inter – head Set Off, Carry Forward and Set Off of Losses under 71, 72and 73.			6L	
	Computation of Tax for Individual, H.U.F, Firm and Corporate: Rate of Tax and Surcharge Tax, Rebate Tax Management – Submission of Return and Procedure of Assessment, Pan, Tan, Preliminary ideas of Deduction and Collection of Tax at Source, Advance Payment of Tax, Refund of Tax, Minimum Alternate Tax.			OL.	
INDIRECT					
	Customs Act and Valuation: Basic Concepts only			2L	

5	Goods and Service Tax: GST in India. Features and	8L	
	Advantages, Structure of GST in		
	India: CGST, SGST, UTGST, IGST, Taxes		
	subsumed by GST, Commodities kept		
	outside the scope of GST. Procedure for		
	Registration; Deemed Registration,		
	Cancellation of Registration, Revocation of		
	Cancellation of Registration. Levy and		
	Collection of Tax under GST: 16 Rates structure of		
	GST, Scope of supply,		
	Composition Scheme under GST		
6	Tax Planning: Scheme of Tax Planning, Tax	6L	
	Planning for Salaries, Tax Planning for		
	Profits and gains of Business or Profession, Tax		
	Planning for Capital Gains		
7	Case Study	2L	

Suggested Readings:

- 1. Lal and Vasisht, Direct Taxes, Pearson Education
- 2. Singahnia, Direct Taxes, Taxman
- 3. Singhania, Indirect Taxes, Taxman
- 4. Bhagawati Prasad, Direct tax law and Practice.
- 5. Gaur and Narang, Income Tax law and Practices, Kalyani Publisher
- 6. T. B. Chatterjee and V. Jalan, How to handle GST-TDS and GST-TCS, GST audit, GST Annual Return, Book Corporation

FM 302: PROJECT APPRAISAL and FINANCE

Name of the Course:	PROJEC	T APPRAISAL and FINANCE
Course Code: FM 302	Semester	III
Duration: 6 months	Maximun	1 Marks: 100
Teaching Scheme		Examination Scheme
Theory: 5 days./week		Mid Semester exam: 15
Tutorial: NIL		Assignment and Quiz: 10 marks
		Attendance: 5 marks
Practical: hrs./week		End Semester Exam: 70 Marks
Credit Points:		4

Unit	Content	Hrs/Unit	Marks/Unit
1	Introduction to Project Finance, Overview and	4L	
	Fundamentals- Concepts, Functions, Types, Advantages and		
	Disadvantages, Parties, Perquisites of Project Finance.		

2	Project Finance Risks and Risk Mitigation- Project Conceptualization Risk, Financial Closure Risk, Project Construction Risk, Political Risk, Market Risk, Supply Chain Risk, Policy Risk, Exchange Risk, Environmental Risk, Force Majeure	6L	
3	Sources of Capital- Various sources of debt and equity, Prudence in Mix of Long Term and Short Term Finance, Forms of Long Term Project Finance, Forms of Short Term Project Finance, Lease, Role of Non-Banking Finance Companies (NBFC)	6L	
4	Project Selection- Projects Procurement Process, Life – Cycle Costing, Market Analysis, Competencies and Promoter Analysis, Loan Documentation - Infrastructure and Public Private Partnership	6L	
5	Cost of Project -Project specifications, Estimating Fixed Capital Investment in Project, Estimating Working Capital investment in the project, Means of Financing, Concepts of Depreciation and Amortization	4L	
6	Project Feasibility Analysis - Background, Net Present Value (NPV), Profit v/s Cash Flow, Discount Rate, Tax-Shield on Interest, Tax-Shield on depreciation ,Internal Rate of Return (IRR), XIRR, MIRR , Project IRR and Equity IRR, Payback Period, Discounted Payback Period, Economic IRR	6L	
7	Financial Projections-Projected Profit and Loss Account, Projected Balance Sheet, Projected Funds Flow, Project IRR, Equity IRR, Loan Servicing Capability: (a) Interest Coverage Ratio (ICR) (b) Debt Service Coverage Ratio (DSCR) (c) Long Term Debt Service Coverage Ratio (LDR) d) Sensitivity Analysis	6L	
8	Case Study	2L	

- 1. Project Financing: Asset-Based Financial Engineering-John D. Finnerty, Wiley and Sons
- 2. Project Finance in Theory and Practice: Designing, Structuring, and Financing Private and Public Projects, Stefano Gatti-Academic Press
- 3. Principles of Project Finance- E. R. Yescombe, Academic Press
- 4. Corporate and Project Finance Modeling: Theory and Practice- Edward Bodmer, Wiley and Sons
- 5. Introduction to Project Finance-Andrew Fight, Elsevier
- 6. PPP And Project Finance -Das, Prabuddha, McGraw-Hill Education

FM 303: BEHAVIORAL FINANCE

Name of th	e Course:	ORAL FINANCE			
Course Coo	de: FM 303	Semester	III		
Duration: 6	months	Maximum	n Marks: 100		
Teaching S	Scheme		Examination Scheme		
Theory: 5 d	lays./week		Mid Semester exam: 15		
Tutorial: N	IL		Assignment and Quiz: 10 marks		
			Attendance: 5 marks		
Practical: h	rs./week		End Semester Exam: 70 Marks		
Credit Poin	ts: 4				
Unit	Content			Hrs/Unit	Marks/Unit
1	Introduction to the Pr Behavioral Finance: (Behavioral Finance, I	Concept of History, Inco	prporating	4L	
			et Allocation Process.		
2	Investment Decision Cycle: Judgment under Uncertainty 2L				
3	Intro to Neoclassical Utility Theory-Utility Functions: Expected		4L		
4		t: Pascal- Fermat to Friedman-Savage	4L		
5	Prospect Theory :Capital Asset Pricing Model, Misconceptions about Market Efficiency, and Agency Theory Prospect Theory, Framing, and Mental Accounting				
6	Information Screening Biases : Anomalies, Noise Trading, and Limits to Arbitrage				
7	Information Processing: Bayesian Decision Making, Heuristics and cognitive biases, Overconfidence, Emotional Foundations, Implication of Heuristics and Biases for Financial Decision-Making, Implications for Overconfidence for Financial Decision- Making, Individual Investors and the Force of Emotion				
8	Forecasting Biases			2L	
9	Emotion and Neuroscience			4L	
10	Group Behavior: Conformism, Herding, Fatal Attractions 4L				
11	Investing Styles and l	Behavioral F	inance	4L	

2L

Suggested Readings:

12

- 1. Behavioural Finance Chandra. Prasanna. Mcgraw Hill
- 2. Behavioural Finance M. M. Sulphey. PHI

Case Study

3. Understanding Behavioral Finance Lucy AckertCengage Learning India

- 4. Behavioural Finance , William Forbes, Wiley
- 5. Behavioral Finance: Psychology, Decision-Making, and Markets ,Richard Deaves , South-Western College Publishing6. Behavioural Finance, Shuchita Singh Vikas Publishing House

FM 304: CORPORATE FINANCE

Name of th	ne Course:	CORPO	RATE FINANCE			
Course Co	de: FM 304	Semester	III			
Duration: 6	6 months	Maximun	n Marks: 100			
Teaching	Scheme		Examination Scheme			
Theory5 da	ays./week		Mid Semester exam: 15			
Tutorial: N	NIL		Assignment and Quiz: 10 marks			
			Attendance: 5 marks			
Practical: l	hrs./week		End Semester Exam: 70 Marks			
Credit Poir	nts: 4					
Unit	Content			Hrs/Unit	Marks/Unit	
1	Introduction to Finance	ial Manage	ment: Scope, Objectives, Functions	2L		
2		Capital Structure: Concepts, Component of Capital, Leverage, Models of Capital Structure				
3	Introduction to Corpo Financial Manager, A	2L				
4	NPV as Investment D Comparing NPV with Investment Decisions, Mutually Exclusive Pr	other meth The proble	ods of ems of multiple rates of Return,	4L		
5	■	The Investment Decision: The Cash Flow, Equivalent annual Costs, Project Interactions				
6	Capital Budgeting and Capital, Measuring Co Adjusted Discount Ra	Capital Budgeting and Risk: Company and Project Costs of Capital, Measuring Cost of Equity, Cost of Capital, and Risk Adjusted Discount Rate, Sensitivity Analysis, Monte Carlo Simulation, Real Options and Decision Trees				
7	Alignment of Manage Practical aspects of Ca Process, Information a Incentives and their ro Problem, Measuring a Performance: EVA, P	4L				
8	Market efficiency and Anomalies, The lesson	•	Financing Basics of EMH, The orporate Manager	4L		
9	The Financing Decision The Financing Mix: Theory, The Optimal Financing Mix and Ch	radeoffs an Financing N	4L			

10	The Dividend Decision: Dividend Policy, analyzing Cash Returned to Stockholders, Buybacks, Spinoffs, and Divestures	4L	
11	Case Study	2L	

- 1. Brearly, Myers, Mohanty: Corporate Finance, Tata McGraw-Hill
- 2. Copeland Weston Shastri: Financial theory and Corporate Policies, Pearson Education
- 3. Damodaran: Corporate Finance, Wiley
- 4. Ehrhardtand Brigham: Corporate Finance- a Focused approach, Thomson Learning
- 5. Megginson, Smart and Gitman: Principles of Corporate Finance, Thomson Learning
- 6. Ross, Westerfield and Jaffe: Corporate Finance, Tata McGraw-Hill

HUMAN RESOURCE MANAGEMENT

HR 301: TEAM DYNAMICS AT WORK

Name of the Course:	TEAM D	DYNAMICS AT WORK
Course Code: HR 301	Semester	III
Duration: 6 months Maximum		m Marks: 100
Teaching Scheme	I	Examination Scheme
Theory: 5 days./week		Mid Semester exam: 15
Tutorial: NIL		Assignment and Quiz: 10 marks
		Attendance: 5 marks
Practical: hrs./week		End Semester Exam: 70 Marks
Credit Points: 4		

Credit Points: 4

Unit	Content	Hrs/Unit	Marks/Unit
1	Meaning of a Group and Group Dynamics, Classification of Groups – Formal and Informal groups, Command, Task, Interest and Friendship groups. Why people join groups. The dynamics of group formation. Theories of group formation: Classic theory of George Homans, Theodore Newcomb's Balance theory, Exchange theory. Five stage group development model, Punctuated Equilibrium model of development of temporary groups with deadlines. Managerial Implications.	4L	
2	Group Properties: Roles, Norms, Status, Size, Cohesiveness - factors that increase, Decrease group cohesiveness, relationship between group cohesiveness, Performance norms and productivity. Deviant workplace behaviour, Typology of Deviant workplace behaviour, groups and deviant behaviour. Managerial Implications.	4L	
3	The Schachter Study - Implication of the Schachter study, Sociogram, Sociometry. The dynamics of Informal Groups - Norms and Roles in informal groups, informal Roles and the informal organization. The dynamics of formal Groups - Positive and negative attributes of committees. The dysfunctions of group norms violation and role ambiguity conflict. Groups' contribution to employee satisfaction and performance. Managerial Implications.	4L	

4	Group decision making: Group versus the Individual, strength and weakness of group decision making, Effectiveness and efficiency. Group Think – conformity problem, symptoms of groupthink. Group Shift - risky shift phenomenon. Dysfunctions perspective, social loafing. Group decision making techniques - Interacting groups, Brainstorming, Nominal Group Technique, Electronic meeting, Dialectic Decision Method (DDM), Delphi Technique Managerial Implications	4L	
5	Case Studies, Presentations, quizzes, experiential exercises, Team exercises, Group Discussions, Role Playing.	4L	
6	Teams in the modern workplace, why teams have become so popular, difference between group and team, types of teams – problem-solving teams, self- managed work teams, crossfunctional teams, virtual teams. Managerial Implications.	4L	
7	Creating effective teams, the Team Effectiveness Model – context, composition, work design, process. Ingredients of effective teams – supportive environment, skills and role clarity, super ordinate goals, team rewards. Potential team problems – changing composition, social loafing. Guidelines for developing effective self-managed teams. Turning individuals into team players, shaping team players – selection, training, rewards. Managerial Implications.	6L	
8	Team building: meaning of team building, need of team building, the process, specific building issues, team leadership, skills useful in team building – process consultation, T- group sensitivity training, communication skills, Negotiation skills, conflict resolution in teams, competitive vs collaborative behavior, developing collaboration facilitating behaviours, feedback. Managerial Implications.	4L	
9	Contemporary issues in managing teams: teams and quality management, teams and workforce diversity. Cultural/global issues. Characteristics of mature teams - individual territories versus team spaces. Managerial Implications.	2L	
10	Case Studies, Presentations, quizzes, experiential exercises, Team exercises, Group Discussions, Role Playing.	4L	

- 1. Robbins, S.P. Judge, T.A. and Sanghi, S.: Organizational Behaviour, Pearson
- 2. Luthans, Fred: Organizational Behaviour, McGraw Hill
- 3. Newstrom J.W. and Devis K.: Organizational Behaviour, McGraw Hill
- 4. Aswathappa, K: Organisational Behaviour, Himalaya Publishing House
- 5. Shukla, Madhukar: Understanding Organizations Organizational Theory and Practice in India, Prentice Hall
- 6. Sekharan, Uma: Organisational Behaviour, The Mc Graw -Hill Companies

HR 302: HUMAN RESOURCE METRICS AND ANALYTICS

Name of the Course:	HUMAN	HUMAN RESOURCE METRICS AND ANALYTICS		
Course Code: HR 302 Semester		III		
Duration: 6 months	Maximun	n Marks: 100		
Teaching Scheme		Examination Scheme		
Theory: 5 days./week		Mid Semester exam: 15		
Tutorial: NIL		Assignment and Quiz: 10 marks		
		Attendance: 5 marks		
Practical: hrs./week		End Semester Exam: 70 Marks		
Credit Points: 1		•		

Hrs/Unit Marks/Unit Content Unit Introduction: HR metrics - meaning, importance, what metrics 1 6L should HR measure? Examples of HR metrics. HR Analytics - What is Analytics? Big data and Analytics, Stages in Data Analytics, Types of Analytics, Causal Modeling, What is HR Analytics? Objectives of HR Analytics. Its importance and benefits. Realigning HR to business priorities, Stages of HR Analytics 2 8L and the role of technology. Leveraging HR Analytics for organizational success. Mapping Business Analytics and HR Analytics. IMPACT Cycle. Pillars of HR Analytics success. Linking HR metrics to business outcomes. HR measurement tools and techniques: Identifying HR metrics, sources of data, tools and techniques of measurement. Excel, SPSS, SAP and Other software packages. 3 Human Capital Management (HCM) - Concepts, Phases-4L Scanning, Planning, Producing, Predicting. The Model for Predictive Management. Value Chain for HCM Model. Predictive Human Capital measurements. Guiding principles of Human Capital Analytics. HR Analytics and the HR delivery model. Requisites of 4 10L effective HR Analytics. HR analytics modules: HR Planning, Hiring, HR Operations, Learning and Development, Performance Management, Compensation and Rewards, Succession Planning, Employee Engagement Human Resource Information System (HRIS): Understanding 6L 5 HRIS, Framework of HRIS. Benefits of HRIS. HRIS Trends: Talent Management Analysis, Data Analytics, Social media, cloud mobile enabled, Employee Engagement Analysis. Integrated HRIS.

6	Data and Information needs for HR Manager - Role of IT in	4L	
	HRM - IT for HR Managers - Concept,		
	Structure, and Mechanisms of HRIS, survey of		
	Software Packages for Human Resource Information		
	System including ERP Software such as		
	SAP, Oracle. EHRM-objectives, advantages and disadvantages.		
7	Case Study	2L	

Suggested Readings:

Name of the Course:

Course Code: HR 303

- 1. Michael Armstrong, A Handbook Of Human Resource Management Practice, Kogan Page
- 2. Gueutal and Stone, The Brave New World Of e-HR
- 3. Monk and Wagner, Concepts In Enterprise Resource Planning, Thomson
- 4. Steve VanWieren, Quantifiably Better: Delivering Human Resource Analytics from start to finish.
- 5. Bernard Marr, Data-driven HR: How to use Analytics and Metrics to drive performance.

Semester III

6. Ramesh Soundararajan, Kuldeep Singh, Winning on HR Analytics: Leveraging data for competitive advantage.

HR 303: CROSS CULTURAL MANAGEMENT

CROSS CULTURAL MANAGEMENT

204150 204		Semester 11	•		
Duration: 6	months	Maximum	Marks: 100		
Teaching Scheme			Examination Scheme		
Theory: 5 days./week Mid Semester exam: 15			Mid Semester exam: 15		
Tutorial: NI	IL		Assignment and Quiz: 10 m	arks	
			Attendance: 5 marks		
Practical: h	rs./week		End Semester Exam: 70 Ma	arks	
Credit Point	ts: 4	<u> </u>			
Unit	Content			Hrs/Unit	Marks/Unit
1	Introduction - Concept of Culture For A Business Context; Organizational Culture and Its Dimensions; Cultural Background of Business Stake-Holders [Managers, Employees, Share -Holders, Suppliers, Customers and Others – An Analytical Framework		ground of Iders, Suppliers, tical Framework	10L	
2	Culture and Global Management - Global Business Scenario and Role of Culture; A Frame Work for Analysis; Elements and Processes of Communication Across Cultures; Communication Strategy for/ of An Indian MNC and Foreign MNC and High Performance Winning Teams and Cultures; Culture Implications for Team Building		10L		

3	Cross Culture – Negotiation and Decision Making - Process of Negotiation and Needed Skills and Knowledge Base – Over view with two illustrations from multi cultural contexts [India – Europe/ India – US settings, for instance]; International and Global Business Operations- Strategy Formulation and Implementation; Aligning Strategy, Structure and Culture in an organizational Context	8L	
4	Global Human Resources Management - Staffing and Training for Global Operations – Expatriate - Developing a Global Management Cadre Motivating and Leading; Developing the values and behaviors necessary to build high-performance organization personnel [individuals and teams included] – Retention strategies.	4L	
5	Corporate Culture - The Nature of Organizational Cultures Diagnosing the As-Is Condition; Designing the Strategy for a Culture Change Building; Successful Implementation of Culture Change Phase; Measurement of ongoing Improvement	6L	
6	Case Study	2L	

Suggested Readings:

- 1. Cashby Franklin, Revitalize Your Corporate Culture: PHI, Delhi
- 2. Deresky Helen, International Management: Managing Across Borders And Cultures, PHI, Delhi
- 3. Esenn Drlarry, Rchildress John, The Secret Of A Winning Culture: PHI, Delhi
- 4. Deepak Kr. Bhattacharya, Cross Cultural Management, PHI
- 5. Jessica. L. Whiteman, Richard, L. Griffith, Critical Issues in Cross Cultural Management, Springer
- 6. Broweays, Understanding Cross Cultural Management; Pearson

HR 304: ORGANIZATIONAL DESIGN

Name of the	e Course:		ORGANI	IZATIONAL DESIGN		
Course Code	e: HR 304		Semester	III		
Duration: 6	months		Maximum	n Marks: 100		
Teaching Scheme		Examination Scheme				
Theory: 5 da	ays./week			Mid Semester exam: 15		
Tutorial: NI	L			Assignment and Quiz: 10 marks		
				Attendance: 5 marks		
Practical: hr	s./week			End Semester Exam: 70 Marks		
Credit Point	s:	4				
Unit	(Content	•		Hrs/Unit	Marks/Unit

1	Organization Theory – Classical Theories: Scientific Management, Administrative Principles, Theory of Bureaucracy, Human Relations Approach; Modern Theories: Systems Approach, Information processing Approach, Contingency Approach. Managerial Implications.	4L	
2	The Bureaucratic model, dysfunctions of Specialization, Hierarchy, Rules, Impersonal characteristics. Modern view of Bureaucracies, Modifications of Bureaucratic structuring, types of centralization and decentralization, optimum degree of decentralization, Flat and tall structures, Behavioral implications of Flat versus Tall Structure. Managerial Implications.	4L	
3	Organizational Structure and Design – Understanding organizational structure, Elements of Designs of organization's structure: Work Specialization, Departmentalization, Chain of command, Span of control, Centralization and Decentralization, Formalization Understanding Departmentalization by Function, Product, Location, process, customer. Types of structures: Line, Line and Staff, Functional, Project, Matrix structures. Managerial Implications	6L	
4	Case Studies, Presentations, quizzes, experiential exercises, Team exercises, Group Discussions.	6L	
5	Mechanistic and Organic Models: Determinants of an Organization's Structure – Strategy, the strategy and structure relationship, Organization Size, Technology and Environment, Three Dimensional Model of the Environment. Organizational Designs and Employee Behaviour. Managerial Implications.	4L	
6	Emerging Organizational Designs: Horizontal design, Network design, Virtual Organization, Boundary less Organization, Learning Organisation, Empowered Organizations, e- Organization: implications for Individual Behaviour, Group behaviour, effects on interpersonal relationships. Restructuring Indian Organisations, Regrouping business activities, strategic business units. Managerial Implications.	6L	
7	Forces reshaping Organizations: Organizational Life Cycles, Impact of Culture on organization Structure, Types and forces of organizational change: Globalization, Changes in Information processing technologies, Automation, Demands on organizational processes. Roles and responsibilities in the changed process. Managerial Implications.	6L	
8	Case Studies, Presentations, quizzes, experiential exercises, Team exercises, Group Discussions.	4L	

Suggested Readings:

1. Robbins, S.P. Judge, T.A. and Sanghi, S.: Organizational Behaviour, Pearson

- 2. Luthans, Fred: Organizational Behaviour, McGraw Hill
- 3. Newstrom J.W. and Devis K.: Organizational Behaviour, McGraw Hill
- 4. Aswathappa, K: Organisational Behaviour, Himalaya Publishing House
- 5. Shukla, Madhukar: Understanding Organizations Organizational Theory and Practice in India, Prentice Hall
- 6. Sekharan, Uma: Organisational Behaviour, The Mc Graw –Hill Companies

MARKETING

MM 301: B2B MARKETING

Name of the Course:	B2B MA	RKETING		
Course Code: MM 301	Semester	III		
Duration: 6 months	Maximun	n Marks: 100		
Teaching Scheme		Examination Scheme		
Theory: 5 days./week		Mid Semester exam: 15		
Tutorial: NIL		Assignment and Quiz: 10 marks		
		Attendance: 5 marks		
Practical: hrs./week		End Semester Exam: 70 Marks		
Credit Points: 4				
Unit Content			Hrs/Unit	Marks/Unit

Unit	Content	Hrs/Unit	Marks/Unit
1	Nature of Business Marketing: Business Marketing Concept, Business vs. Consumer Marketing, Economics of Industrial demand, Types of Industrial Markets, Types of Business Customers, Classifying Industrial Products and Services, Business customers' purchase orientations, Organizational Procurement Characteristics, Environment Analysis in Business Marketing.	6L	
2	Organizational Buying Behavior: Organizational Buying Process, Types of purchases/buying situations, Buying Centre Concept, Inter Personal Dynamics of Business Buying Behaviour, Roles of Buying centre, Conflict Resolution in Decision, The Webster and Wind model of Organizational Buying Behaviour, Ethics in Purchasing	6L	
3	Business Marketing Research: Differences between B2C and B2B Marketing Research, Sales Forecasting Approaches, Top-Down, Bottom-up approaches.	2L	
4	Market Segmentation: Segmenting, Targeting and Positioning of Business Market, Value based segmentation, Model for segmenting the organizational Market	4L	
5	Product Policy of established products: Classification of the product types; the life cycle of the product; Management products; Strategies for established products. Product policy of new product development: Strategies for the development of new products; Marketing systems; Marketing of engineering services	4L	

6	Formulating Channel Strategy: Nature of Business Marketing channels, Intermediaries, Direct and Indirect Channels, Channel Objectives, Channel Design, Managing Channel	4L	
	Members, Selection and Motivation of Channel Members, Channel conflicts		
7	Pricing Strategy: Price Determinants, Factors that Influence the Pricing Strategies, Pricing Methods, concept of learning curves, Pricing Strategies, Pricing Policies, Terms of Payment, Competitive Bidding, Leasing	2L	
8	Case Study The Promotional Strategies: Communication Objectives, Role of personal relation, Advertising, Sales Promotion in Industrial Markets, Trade shows and Exhibitions	2L	
9	Management of Sales Force: Personal Selling, steps involved in B2B personal selling, process of tendering, Key Account Management, Managing the Industrial Sales Force, Organizing and controlling the industrial sales force activity, planning for sales force deployment	4L	
10	B2B through E-Commerce: Business-to-Business forms of E-Commerce, Models for B2B ecommerce, marketing strategy for the electronic market place.	4L	
11	Case Studies in Indian context only	2L	

Suggested Readings:

- 1. Industrial Marketing by P. K. Ghosh; Oxford University Press
- 2. Indian Cases in B2B Marketing by Dilip Sarwate
- 3. Fundamentals of Business to Business by Coe John; McGraw-Hill Education
- 4. Business Market Management by Jr. Anderson James C; Pearson
- 5. Driving Demand: Transforming B2B Marketing to Meet the Needs of the Modern Buyer by Carlos Hidalgo; Palgrave Macmillan
- 6. The Challenger Sale by Matthew Dixon, Brent Adamson; Penguin

MM 302: SALES & DISTRIBUTION MANAGEMENT

Name of the Cou	urse:	SALES & DIS	TRIBUTION MANAGEMENT		
Course Code: M	M 302	Semester III			
Duration: 6 mon	ths	Maximum Marl	ks: 100		
Teaching Scher	ne		Examination Scheme		
Theory: 5 Days	/week		Mid Semester exam: 15		
Tutorial: NIL			Assignment and Quiz: 10 marks		
			Attendance: 5 marks		
Practical: hrs./w	eek		End Semester Exam: 70 Marks		
Credit Points:	4				
Unit	Content			Hrs/Unit	Marks/Unit

1	Introduction to Sales Management: Evolution of sales department, Nature & scope	2L
	of personal selling & sales management, Roles and functions of a sales manager	
2	Personal Selling: Types of selling situations, Buyer- seller dyad, Theories of selling, Personal selling process (pre-approach, approach, presentation, handling objections, closing a sale, follow-up)	4L
3	Planning and Organizing Sales Force Efforts: Strategic planning and sales organization, Sales department relations, Distribution network relations, Sales forecasting, Sales budget, Sales objectives, Sales territories and quotas, functions of a sales manager, sales force planning	4L
4	Sales Force Development: Sources of recruitment, Selection process, Methods of selection, Need and purpose of training, Types of training, Designing a training programme - ACMEE model	4L
5	Directing and Controlling the Sales Force: Supervision, Territory management, Determination of quota/target, Determination of compensation of sales force, Leading and Motivating, Analysis of sales, Costs and Profitability, Evaluation of sales force performance	6L
6	Marketing Channels: Structure, Functions and advantages, Types of channel intermediaries — wholesalers, distributors, sales agents, brokers, franchisers, C&F agents, and retailers, Channel Conflicts and remedies	4L
7	Channel Design and Management: Channel objectives & constraints, Identification, evaluation and selection of channel alternatives, Channel management and control – recruiting and selecting channel members, motivating, evaluating channel arrangements	4L
8	Physical Distribution & Logistics: Goals, function, processing, warehousing, inventory & transportation	2L
9	Retail and Merchandise Management: Retail strategies, Location, Types of retail formats, Stores layout, Visual merchandising techniques, Planning of assortment, Servicing and buying of merchandise, Supply chain management in retailing	6L
10	Case Studies	4L

- 1. Cundiff, Still & Govoni : Sales Management Decision, Strategies & Cases; PHI./Pearson Education
- 2. Levy, M. & Weitz, B.A.- Retailing Management McGrawHill
- 3. Panda, Sahadev: Sales & Distribution Management; OUP
- 4. Shapiro, R.L., Stanton, W.J. & Rich, G.A.: Management of Sales Force; TMH
- 5. S.L. Gupta Sales and Distribution Management, Excel Books India, 2009
- 6. Krishna K Havaldar Vasant M Cavale Sales and Distribution Management: Text and Cases, Tata McGraw-Hill Education,

MM 303: IMC/ PROMOTION STRATEGY

Name of th	e Course:	MC/ PROMOTION STRATEGY				
Course Coo		Semester III				
Duration: 6		Maximum Marks: 100				
Teaching S	Scheme	Examination Scheme				
Theory: 5 d	lays./week	Mid Semester exam: 15	Mid Semester exam: 15			
Tutorial: N	IL	Assignment and Quiz: 10 marks				
		Attendance: 5 marks				
Practical: h	rs./week	End Semester Exam: 70 Marks				
Credit Poin	ts: 4					
Unit	Content		Hrs/Unit	Marks/Unit		
1	Definition, features and program Concept, Evolu Features. Promotional To Communication Process Establishing Objectives Promotional Objectives,	d Marketing Communication: role of IMC and its relation with marketing tion of IMC, Reasons for Growth and ools for IMC, IMC Planning Process, , AIDA and Hierarchy of Effect Model, and Budgeting: Determining Sales vs. Communication Problems in Setting Objectives, and Setting Program.	4L			
2	Sales Promotion, Advan Publicity – Types of PR, Types of Publicity, Direc Disadvantages, Personal – Features, Advantages	Promotion – Different Types of tages and Disadvantages. Public Relation and Process, Advantages and Disadvantages, et Marketing – Features, Advantages and Selling and Disadvantages, Advertising – Features, antages,, New Trends in IMC, International	6L			
3	promotion, Objectives of Tools and techniques of	tion, Reasons for rapid growth of sales f sales promotion, Types of sales promotion, consumer and trade promotion with merits les promotion in IMC programme	4L			
4	PR, Objectives, tools and	rporate Advertising: Definition, New role of d techniques of public relations with merits advertising- scope and types, role of PR in	2L			
5	effectiveness, What, who testing and post testing to	al Effectiveness: Reasons to measure en, where, how to test, Testing methods - pre- echniques, Essentials of effective measures, ethods, Measuring effectiveness of other	2L			
6	Definition, features and advertising with other prelements, Various forms (national, retail, coopera		2L			

7	Advertising Industry: Advertisers, Advertising agencies and support organizations, Types of agencies, Structure, role and functions of ad agencies, Agency compensation and evaluation.	2L	
8	Advertising Planning and Budgeting: Planning process, steps, situation analysis, objective setting, budgeting, developing promotional strategies, implementation and control, Budgeting approaches – different methods, allocation of budget	2L	
9	Designing an Advertisement: Different dimensions, Importance of creativity to advertising, Creative process, developing a creative brief, Message Strategies: Message structure, Message appeals- rational, emotional, Message source- credibility, attractiveness, power.	4L	
10	Execution frameworks: for print and electronic media - copywriting, body copy, headlines, layout, visuals, slogans, logos, signatures, storyboards	2L	
11	Media Strategies: Media planning process, Media mix, Coverage, Reach, Frequency, Impact, Scheduling, Different types of media – television, radio, print, outdoor, characteristic features, advantages and limitations, Factors influencing choice of media flows and functions, Channel design decisions	4L	
12	Social Media marketing: Concept, role and features of SMO, SEO, Facebook, Twitter, Linked in, youtube as means of marketing communication	2L	
13	Advertising and Society: Social – social and cultural, Ethical – deceptive, offensive, economical- effect on consumer choice, competition, cost and prices, and Regulatory aspects of advertising – ASCI	2L	
	Case Study on aspects of Advertising	2L	

- 1. Contemporary Advertising: Arens W.F.; TMH
- 2. Advertising and Promotion: Belch G.E. and Belch M.A; TMH
- 3. Integrated Advertising, Promotion and Marketing Communications: Clow K.E., Baack D.; Pearson
- 4. Advertising and Integrated Brand Promotion: O'Guinn T. C., Allen C.T.; South Western
- 5. Ogilvy on Advertising: Ogilvy David; Pan Books
- 6. Understanding Digital Marketing: Damian Ryan, Pearson

MM 304: MARKETING RESEARCH

Name of the Course:		MARKET	ING RESEARCH			
Course Code: MM 304 Semester		Semester I	II			
Duration: 6 months Maximum		Marks: 100				
Teaching Scheme			Examination Scheme			
Theory: 5 d	lays/week		Mid Semester exam: 15			
Tutorial: N	IL		Assignment and Quiz: 10 marks			
			Attendance: 5 marks			
Practical: h	rs./week		End Semester Exam: 70 Marks			
Credit Poin	its: 4					
Unit	Content			Hrs/Unit	Marks/Unit	
1	Marketing Researc managerial decisio Aims, roles, function role conflict and re	2L				
2	Research Process: Converting a manager's problem research design, da Preparation of the	4L				
3	Research Design: Types of research - exploratory studies, descriptive studies, causal studies, Types of information needed - behavioural and non- behavioural correlates			4L		
4	Sources of Data: Primary and secondary source (govt., non- govt. and syndicated research), Errors in data collection			4L		
5	Primary Source – Methods of Data Collection: Focus groups, Observations, Case histories; Surveys – survey methods - structured and unstructured, direct and indirect methods, indepth interviews, panels, interview media: personal, telephone, internet and mail, questionnaire construction and pre-testing, qualitative and quantitative research.			4L		
6	Case Study Measurement and Scaling: Types of scales (data/levels of measurements), nominal, ordinal, interval, ratio scales, Attitude measurement methods - variability methods (paired comparison, ranking, rating, ordered category sorting), Quantitative judgment methods			6L		
7	population, frame,	Types of sampling	es in sampling process, Definition of eg: Probabilitistic and non-	4L		

8	Analysis of Data: Classification of data, Analytical techniques –	10L	
	univariate analysis, hypothesis testing- parametric and non-parametric		
	tests, bivariate analysis. Some multivariate analysis techniques like		
	multiple regression, discriminant analysis, factor analysis, cluster		
	analysis, multi - dimensional scaling and conjoint analysis, forecasting		
	methods (application and interpretation only)		
9	Application Areas: Advertising Sales analysis and forecasting, Case	2L	
	Studies		

- 1. Research for Marketing Decisions: P. Green and D. Tull and G. Albaum; PHI
- 2. Marketing Research: Text and Cases; Boyd and Westfall; AIT Bookseller
- 3. Marketing Research: Luck and Rubin; PHI
- 4. Marketing Research: D.R. Cooper and P.S. Schindler; TMH
- 5. Marketing Research: Naresh K Malhotra; Pearson
- 6. Marketing Research: G C Beri; Tata McGraw Hill

MANAGEMENT INFORMATION SYSTEM

MIS 301: DATA MINING FOR BUSINESS DECISION

DATA MINING FOR BUSINESS DECISION

Course Code: MIS 301 Semes		Semester III		
Duration:	6 months	Maximum Marks: 100		
Teaching	g Scheme	Examination Scheme		
Theory: 5	5 Days /week	Mid Semester exam: 15		
Tutorial:	NIL	Assignment and Quiz: 10 marks		
		Attendance: 5 marks		
Practical:	hrs./week	End Semester Exam: 70 Marks		
Credit Po	oints: 4			
Unit	Content		Hrs/Unit	Marks/Unit
1	Introduction to Data Min Concept, Goals, Stages o Knowledge representation	4L		
2	Data Preprocessing: Data summarization – central cleaning, Outlier detection reduction.	6L		
3	Association Rule Mining algorithm, Apriori algori	4L		
4	Classification and Predic Bayesian classification, I Regression	4L		
5	Data Warehouse and OL Multidimensional data m	6L		
6	Data Warehouse and OL Multidimensional data m	8L		
7	Data Mining Software ar attributes (keywords), structural ap approach to classifying to extracting knowledge fro information privacy and	6L		
8	Case Study		2L	

Suggested Readings:

Name of the Course:

- 1. Tan, Steinbach and Kumar, Introduction to Data Mining, Pearson
- 2. Han and Camber, Data Mining: Concepts and Techniques, Morgan Kaufmann
- 3. Foreman, Data Smart: Using Data Science to Transform Information into Insight, John Wiley
- 4. Dunham, Data Mining: Introductory and Advanced Topics, Pearson

- 5. Vipin Kumar: Introduction to Data Mining, Pearson
- 6. Ian, H. Witten, Frank: Data Mining: Practical Machine Learning Tools and Techniques, Elsevier.

MIS 302: E-COMMERCE and DIGITAL MARKETS

Name of the Course:		E-COMMERCE and DIGITAL MARKETS				
Course Code: MIS 302		Semester III	emester III			
Duration: 6 months Maximum		Maximum Marks: 100				
Teaching	g Scheme	Examination Scheme				
Theory: 5	days /week	Mid Semester exam: 15				
Tutorial:	NIL	Assignment and Quiz: 10 marks				
		Attendance: 5 marks	Attendance: 5 marks			
Practical:	hrs./week	End Semester Exam: 70 Marks				
Credit Po	ints: 4	,				
Unit	Content		Hrs/Unit	Marks/Unit		
1	E-Commerce /E-Business: Introduction, Advantages and Disadvantages, Benefits, Features, Business models of E-Commerce, Model based on revenue models, Implementation ECommercebusiness, Infrastructure Requirement for E-Commerce, Different types of Networking for E-Commerce ,Internet, Extranet and Intranet, Intelligent System, Risk of Ecommerce –Overview, Security for ECommerce, Security Standards, Farewell, Cryptography		8L			
2	M-Commerce: Definition Disadvantages, Benefits, Devices, Mobility and C Payment Mode.	6L				
3	E-Strategy: Overview, S Commerce, E-Advertiser Threats and Protection	6L				
4	ERP and SCM: Definitions-ERP,CRM,SCM, Concept of ERP, Evolution of ERP, Scope and Problem of ERP selection and Implementation ,Selection of EEP process, Feature of Commercial Software, Concept of CRM, Features ,Applications, SRM portal, SCP tools, SCE, Framework, Internet's Effect on Supply Chain Power, Case Study		8L			
5	E- Marketing/ Digital Marketing: E-shopping, Role, Policies ,Online Marketing and Offline marketing, SEO,SMM,SEM, Meta Tags, Content Marketing, Marketing in Digital Age, Telemarketing, Commercial packages for Eshopping Portal, Case Study		6L			
6	EDI: Introduction, Defin Protocol	ition, Features, Benefits, Application, Model,	4L			
_	G G 1		21			

2L

Suggested Readings:

Case Study

- 1. Dropshipping E-commerce Business Model 2019: Steven Sparrow
- 2. Electronic Commerce: Gray P. Schneider
- 3. E-Commerce Website Optimization: Dan Croxen-John, Johann van Tonder
- 4. Electronics Commerce Technologies and Applications: Bhaskar Bharat, TMH
- 5. Frontiers of Electronic Commerce: Kalakota , Whinston, Pearson Education
- 6. E-Commerce: Strategy Technologies and Applications: Whiteley, David, TMH

MIS 303: MANAGING SOFTWARE PROJECTS

Name of the	Course:	MANAGI	NG SOFTWARE PROJECTS		
Course Code: MIS 303 Semester I		I			
Duration: 6 months Maximum		Marks: 100			
Teaching Scheme		Examination Scheme			
Theory: 5 da	ays./week		Mid Semester exam: 15		
Tutorial: NI	L		Assignment and Quiz: 10 marks		
			Attendance: 5 marks		
Practical: hr	s./week		End Semester Exam: 70 Marks		
Credit Point	s: 4				
Unit	Content			Hrs/Unit	Marks/Unit
1	Project Evaluation and Project Planning: Importance of Software Project Management – Activities Methodologies – Categorization of Software Projects – Setting objectives – Management Principles – Management Control – Project portfolio Management – Cost benefit evaluation technology – Risk evaluation – Strategic program Management – Stepwise Project Planning			8L	
2	Project Life Cycle: Software process and Process Models – Choice of Process models – mental delivery – Rapid Application development – Agile methods – Extreme Programming – SCRUM – Managing interactive processes			4L	
3	Effort Estimation: Basics of Software estimation – Effort and Cost estimation techniques – COSMIC Full function points – COCOMO II. Parametric Productivity Model – Staffing Pattern			4L	
4	Activity Planning And Risk Management: Objectives of Activity planning – Project schedules – Activities – Sequencing and scheduling – Network Planning models – Forward Pass and Backward Pass techniques – Critical path (CRM) method – Risk identification – Assessment – Monitoring – PERT technique – Monte Carlo simulation – Resource Allocation – Creation of critical patterns – Cost schedules.			6L	
5	Project Management and Control: Framework for Management and control – Collection of data Project termination – Visualizing progress – Cost monitoring – Earned Value Analysis – Project tracking – Change control- Software Configuration Management – Managing contracts – Contract Management.			8L	
6	behavior – Best met Oldham-Hackman j concerns – Working	naging people – Organizational selection – Motivation – The tic model – Ethical and Programmed ecision making – Team structures – genres – Communication plans.	8L		
7	Case Study			2L	
•					1

- 1. Project Management: K. Nagarajan New Age International Publishers
- 2. Applied Softer Project Management: Andrew Stellman, Jenifer Greene O' Reilly Media
- 3. Software Project Management: Bob Hughes, Mike Cotterell and Rajib Mall:- Tata McGraw Hill, New Delhi.
- 4. Effective Software Project Management: Robert K. Wysocki Wiley Publication.
- 5. Software Project Management: Walker Royce Addison-Wesley.
- 6. Managing Global Software Projects: Gopalaswamy Ramesh McGraw Hill Education (India).

MIS 304: DATA SCIENCE USING R

Name of the Course:		DATA SCIENCE USING R				
Course Code: MIS 304		Semester III	Semester III			
Duration: 6	months	Maximum Marks: 100				
Teaching So	cheme	Examination Scheme	Examination Scheme			
Theory: 5 da	ays ./week	Mid Semester exam: 15	Mid Semester exam: 15			
Tutorial: NI	L	Assignment and Quiz: 10 marks				
		Attendance: 5 marks				
Practical: hr	s./week	End Semester Exam: 70 Marks				
Credit Point	s: 4					
Unit	Content		Hrs/Unit	Marks/Unit		
1	Programming in R: Basics of R, Conditional and loops, R packages/libraries, Data mining GUI in R, Data structures in R, Exceptions/ debugging in R		4L			
2	Data Wrangling: Reading CSV, JSON, XML, .XLSX and HTML files using R,ETL operations in R, Sorting/ merging data in R, Cleaning data, Data management using dplyr in R		4L			
3	Modeling in R:Linear regression model in R, Multiple linear regressions model, Representation of regression results, Non Linear Regression		10L			
4	Mining Algorithms using R: Association analysis, Market-based analysis/ rules, Apriori algorithm, Segmentation analysis- types of segmentation, k-means clustering, Bayesian clustering, Principal Component Analysis (PCA)		12L			
5	Time Series Forecasting in R and model deployment: Basics of time series, Components of time series, Time series forecasting, Deploying predictive models		8L			
6	Case Study	Case Study				

- 1. R for Data Science Hadley Wickham and Garrett Grolemund
- 2. R in Action Robert Kabacoff
- 3. R for Everyone: Advanced Analytics and Graphics Jared P. Lander
- 4. The R Book Michael J. Crawley
- 5. R and Data Mining: Examples and Case Studies Yanchang Zhao
- 6. Data Analytics using R Seema Acharya, Mc. Graw Hill Publication

FOURTH SEMESTER

BDA 401 DATA VISUALIZATION WITH TABLEAU AND POWER BI

DATA VISUALIZATION WITH TABLEAU AND POWER BI

Course Code: BDA 401 Semester IV						
Duration: 6 months Maximum Max			arks: 100			
Teaching Scheme			Examination Scheme			
Theory: 5 days./week			Mid Semester exam: 15			
Tutorial:	•		Assignment and Quiz: 10 marks			
			Attendance: 5 marks			
Practical:	hrs./week		End Semester Exam: 70 Marks			
Credit Po	ints: 4					
Unit	Content		Hrs/Unit	Marks/Unit		
1	Tableau Instructions, Salary Data Set,			8L		
	Description, and A	nalysis Plan, D	Oognition Data Set, Description,			
	and Analysis Plan.,	The Effects of	Outliers Video Introduction to			
	Linear Regression					
2	The Effects of Outl	iers Video Intr	roduction to	8L		
_	Linear Regression Data Sets Needed in ,			02		
	Examples of Tableau Dashboards and					
	StoriesDesigning and Delivering an Effective					
	Business Presentati	on				
3	DOWED DI ADCH	TTECTUDE	DOWED DI	61		
3	POWER BI ARCHITECTURE, POWER BI			6L		

8L

6L

4L

Course Outcomes:

4

6

Name of the Course:

After successful completion of this course, students shall be able to

Dashboard Of Power Bi And Visualization

Options Of Data Using Power Bi Tool, Excel

attributes,data types,data SOURCES, Data Modelling

CO1: Understand the concept TABLEAU Analyzing

CASE STUDY

Integration With Power Bi

Dax Basics, Administration Role.

CO2: Evaluate the impact of a Linear Regression Techniques On Data. CO3: How to Design Using Power Bi.

- 1. Introducing Microsoft Power Bi By Alberto Ferrari And Marco Russo-Wiley Publications
- 2. Analyzing Data With Power Bi By Anthony S. Williams
- 3. Visual Analytics With Tableau-Alexander Loth
- 4.Advanced Analytics With R And Tableau By Jenstirrup, Ruben Olive Ramos-Packt Publishers

BDA 402: MARKETING ANALYTICS

Name of the Course:	Marketing Analytics	
Course Code: BDA 302	Semester IV	
Duration: 6 months	Maximum Marks: 100	
Teaching Scheme	Examination Scheme	
Theory: 5 days./week	Mid Semester exam: 15	
Tutorial: NIL	Assignment and Quiz: 10 marks	
	Attendance: 5 marks	
Practical: hrs./week	End Semester Exam: 70 Marks	
Credit Points: 4	'	

Unit	Content	Hrs/Unit	Marks/Unit
1	Introduction to marketing research, Research design setup, qualitative	8L	
	research, quantitate research, Concept development, scale		
	development, Exploring Data, Descriptive Statistics		
2	Inbound marketing analytics, Click analytics,	8L	
	Google analytics, Social Media Analytics, Web analytics, Online		
	traffic analytics, conversion analytics, Online and Offline analytics		
3	Product analytics- features, attributes,	6L	
	benefits, Price analytics, Promotion analytics, Channel analytics,		
	Multiple Discriminate analyitics		
4	Customer Analytics, Analyzing customer satisfaction, Prospecting and	8L	
	Targeting the		
	Right Customers, Covariance and		
	Correlation analysis, Developing Customers, Retaining Customers,		
	Customer lifetime value case, Factor analysis,		
5	Market Segmentation & Cluster Analysis,	12L	
	Scatterplots & Correlation Analysis, Linear Regression, Model		
	Validation & Assessment, Positioning analytics, Cross tabulation		

COURSE OUTCOMES

After successful completion of this course, students shall be able to;

CO1: Use analytic approaches to transform marketing and sales data into actionable and appropriate marketing decisions CO2: Justify the use of a particular marketing analytics approach and communicate its managerial implications to a non-technical audience

CO3: Recommend marketing strategies that align forces in the external environment with the core competencies of the firm.

CO4: Recognize trends based on current research related to consumer analytics behavior

CO5: Analyze the challenges that might influence the formulation of effective marketing analytics from a consumer behavior perspective.

BDA 403: DATA MINING AND ADVANCED DATA HANDLING

Name of the Course:	DATA MININ	NG & ADVANCED DATA HANDLING	
Course Code: BDA 403	Semester IV		
Duration: 6 months	Maximum Ma	rks: 100	
Teaching Scheme	·	Examination Scheme	
Theory: 5 days /week		Mid Semester exam: 15	
Tutorial: NIL		Assignment and Quiz: 10 marks	
		Attendance: 5 marks	
Practical: hrs./week		End Semester Exam: 70 Marks	
Credit Points: 4			

Unit	Content	Hrs/Unit	Marks/Unit
1	Introduction to Data Mining: Introduction, What is Data Mining, Definition, KDD, Challenges, Data Mining Tasks, Data Preprocessing, Data Cleaning, Missing data, Dimensionality Reduction, Feature Subset Selection, Discretization and Binaryzation, Data Transformation; Measures of Similarity and Dissimilarity-Basics.	10L	
2	Association Rules: Problem Definition, Frequent Item Set Generation, TheAPRIORI Principle, Support and Confidence Measures, Association Rule Generation; APRIOIRI Algorithm, The Partition Algorithms, FP-Growth Algorithms, Compact Representation of Frequent Item Set-Maximal Frequent Item Set, Closed Frequent Item Set.	10L	
3	Classification: Problem Definition, General Approaches to solving a classification problem, Evaluation of Classifiers, Classification techniques, Decision Trees-Decision tree Construction, Methods for Expressing attribute test conditions, Measures for Selecting the Best Split, Algorithm for Decision tree Induction; Naive-Bayes Classifier, Bayesian Belief Networks; K-Nearest neighbor classification- Algorithm and Characteristics.	8L+2P	
4	Web and Text Mining: Introduction, web mining, web content mining, web structure mining, we usage mining, Text mining – unstructured text, episode rule discovery for texts, hierarchy of categories, text clustering.	12L	

COURSE OUTCOMES

After successful completion of this course, students shall be able

- CO1: Ability to perform the preprocessing of data and apply mining techniques on it.
- CO2: Ability to identify the association rules, classification and clusters in large data sets.
- CO3: Ability to solve real world problems in business and scientific information using data mining CO4: Ability to classify web pages, extracting knowledge from the web

SUGGESTED READING:

- 1. Data Mining-Concepts and Techniques-Jiawei Han, Micheline Kamber, Morgan Kaufmann Publishers, Elsevier, 2 Edition, 2006.2.Introduction to Data Mining, Pang-Ning Tan, Vipin Kumar, Michael Steinbanch, Pearson Education.
- 3. Data mining Techniques and Applications, Hongbo Du Cengage India Publishing
- 4. Data MiningTechniques, Arun K Pujari, 3rdEdition, Universities Press.
- 5 .Data Mining Principles & Applications –T.V Sveresh Kumar, B.Esware Reddy, Jagadish S Kalimani, Elsevier.
- 6. Data Mining, Vikaram Pudi, P Radha Krishna, Oxford University Press

BDA 404 MACHINE LEARNING AND UNSTRUCTURED DATA ANALYTICS

Name of the Course:	Machine Le	arning & Unstructured Data Analytics
Course Code: DM 404	Semester IV	
Duration: 6 months	Maximum M	Tarks: 100
Teaching Scheme		Examination Scheme
Theory: 5 days./week		Mid Semester exam: 15
Tutorial: NIL		Assignment and Quiz: 10 marks
		Attendance: 5 marks
Practical: hrs./week		End Semester Exam: 70 Marks
Credit Points: 4		

Unit	Content	Hrs/Unit	Marks/Unit
1	What is unstructured data:Introduction,unstructured vs structured,semi structured,unstructured examples	4L	
2	Unstructured analytics tools, data tools, tools equipped with machine learning, NLP, capabilities, importance of data analytics tools.	4L	
3	Structuring Unstructured Data, Ai-Power Tools, Using Saas Tools To Analyse, Using AMAZON AWS, MICROSOFT AZURE, IBM Cloud	4L	
4	Basic Text Processing, Frequency, Analysis Basic Text Analysis Demo, Co- Occurrence Analysis Finding Possibly, Related Entities, PCA, Isomap	6L	
5	Introduction To Clustering, K-Means, Gaussian Mixture Models Clustering And Clustering Interpretation Demo, Automatic Selection Of K With CH Index, Hierarchical Clustering, Topic Modeling Introduction To Predictive Analytics Model Validation, Decision Trees/Forests	4L	
6	Introduction To Neural Nets And Deep Learning–Recitation: SVM, ROC Curve, Image Analysis With Convolutional, Neural Nets Time Series Analysis With Recurrent Neural Nets	6L	

Course outcomes:

After successful completion of this course, students shall be able to;

CO1: Understand About Common Methods For Exploratory And Predictive Analysis Of Unstructured Data

CO2: Able To Execute Write Python Code For Exploratory And Predictive Data Analysis That Handles Large Datasets

CO3: Understand Working With Cloud Computing Using Amazon Web Services (Aws)

CO4: Apply Unstructured Data Analysis Techniques To Solve Problems

SUGGESTED READINGS:

- 1 .Data Analytics By Darryl barton
- 2. Too Big To Ignore By Phil Simon, Wiley Publications
- 3. Data Analytics For Business By Edward Brown
- 4. Machine Learning Quick Reference By Rahul Kumar By Packt Publishers
- 5. Machine Learning Algorithms By Giuseppe Bonaccorso.

ELECTIVE PAPERS

FINANCE

FM 401: INVESTMENT ANALYSIS & PORTFOLIO MANAGEMENT

Name of the Course:	INVESTM	INVESTMENT ANALYSIS & PORTFOLIO MANAGEMENT		
Course Code: FM 401	Semester I	V		
Duration: 6 months	Maximum	Marks: 100		
Teaching Scheme		Examination Scheme		
Theory: 5 days./week		Mid Semester exam: 15		
Tutorial: NIL		Assignment and Quiz: 10 marks		
		Attendance: 5 marks		
Practical: hrs./week		End Semester Exam: 70 Marks		
Credit Points: 4				

	redit i onits.		
Unit	Content	Hrs/Unit	Marks/Unit
1	Concepts of Portfolio Management: Financial Instruments, Overview of Indian Capital Market, Brief ideas on portfolio management, ideas on speculation, hedging, arbitraging	4L	
2	Security Analysis: Concept of Security- Fundamental and Technical Analysis difference between Fundamental and Technical Analysis – (support and resistance- Charts and graph – line chart – Candlestick Chart – various patterns) – Dow Theory – Elliot Wave Theory	6L	
3	Security Valuation: Valuation of Bond - YTM and its calculation- Duration of Bond - Concept of Immunization- Valuation of Shares	6L	
4	Risk and Return: Definition of Risk and Return- Different types of Risk measurement of Risk and Return of single security – Beta of Security	2L	
5	Portfolio Theory: Concept of Portfolio, measurement of Portfolio risk and return, Markowitz Portfolio theory – Efficient Frontier and selection of Optimum Portfolio.	4L	
6	CAPM Model: Idea and interpretation - SML and CML. Analysis and interpretation—Usefulness.	4L	
7	Other Portfolio Theory: Sharp Single Index Model - Arbitrage pricing theory and Multi Factor Theory.	6L	

8	Market efficiency and Portfolio Evaluation: Concept of market efficiency - Different types of market efficiency and their interpretation - Techniques of analyzing portfolio performance - analysis and modification of portfolio.		
9	Case Studies	4L	

Suggested readings:

- 1. Fischer and Jordon, Security Analysis and Portfolio Management, Prentice Hall.
- 2. Kevis, S, Security Analysis and Portfolio Management, Prentice Hall
- 3. Copeland, Weston & Shastri, Multinational financial analysis, Pearson
- 4. Nagarajan & Jayabal, Security analysis and portfolio management, New Age International 5
- 5. Avadhani, V.A., Security Analysis and Portfolio Management, Himalaya Publishing
- 6. . Bhalla. B.K. Investment Management, S Chand Publication.

FM 402: MANAGING BANKS & FINANCIAL INSTITUTIONS

Name of the Course:	MANAGINO	G BANKS & FINANCIAL INSTITUTIONS
Course Code: FM 402	Semester IV	
Duration: 6 months	Maximum Ma	arks: 100
Teaching Scheme	·	Examination Scheme
Theory: 5 days./week		Mid Semester exam: 15
Tutorial: NIL		Assignment and Quiz: 10 marks
		Attendance: 5 marks
Practical: hrs./week		End Semester Exam: 70 Marks
Credit Points: 4		·

Unit	Content	Hrs/Unit	Marks/Unit
1	Organization and Functions of banking industry: types of banks, comparatives features of different banks, banking business models, factors, necessitating banker's role in the economy, intermediation functions of bank, credit creation	6L	
2	Competition in banking industry: competition in commercial & investment banks, changes in bank's operation, managing competition among banks.	2L	
3	Failures of banks & Need for regulation: risk associated in banking business, causes of bank failures, warning signals in predicting bank failures. Bank support mechanism, problems to bank, regulatory support, bank's supervision, financial crisis to bank. Regulatory cycle.	6L	
4	Basel committee norms: capital adequacy, 3 pillars, Basel-I & II, measurement of market & operational	4L	

5	Interest rate & Risk Management: asset & liability management, GAP analysis, duration analysis.	4L	
6	Business loan & Micro credit: loan proposals, classification of loans based on pricing, methods of sanctioning loans, loan portfolio of banks, fundamentals of micro finance, micro finance credit model, institutions.	4L	
7	Credit rating & risk management: structure of credit risk management, evaluation of credit risk, internal rating system, credit risk distribution.	4L	
8	Liquidity functions of banks: liquidity management & conflict, action plan, time bucket.	2L	
9	Bank Merger: Merger objectives, Stewart's motivating forces, evaluating mergers.	4L	
10	Rating of banks: business risk of banks, ratio used in bank rating, application of bank grading.	2L	
11	Case Studies	2L	

Suggested Readings:

- 1. M.Y. Khan, Indian Financial System, Tata Mc Graw Hill, Delhi
- 2. Jeff Madura, Financial Markets And Institutions, CenGage Learning, Delhi
- 3. H.R. Machiraju, Indian Financial System, Vikas Publishing House, Delhi
- 4. Pathak, The Indian Financial System, Pearson Education India
- 5. Suresh Padmalata & Paul Justin, Management of Banking and Financial Services; Pearson
- 6. . Joel Bessis, Risk Management in Banking; Wiley

FM 403: MERGERS, ACQUISITIONS & CORPORATE RESTRUCRING

Name of the Course:	MERGERS,	ACQUISITIONS & CORPORATE RESTRUCRING
Course Code: FM 403	Semester IV	
Duration: 6 months	Maximum Ma	arks: 100
Teaching Scheme		Examination Scheme
Theory: 5 days./week		Mid Semester exam: 15
Tutorial: NIL		Assignment and Quiz: 10 marks
		Attendance: 5 marks
Practical: hrs./week		End Semester Exam: 70 Marks
Credit Points: 4		1

Unit	Content	Hrs/Unit	Marks/Unit
1	Introduction to mergers and acquisitions: Meaning, types, advantages & disadvantages	2L	
	advantages & disadvantages		

2	Strategic evaluation of M & A opportunities: Selection criteria, key steps in the strategic planning of a merger, feasibility analysis, features of acquisition of sick companies	4L
3	Strategizing and structuring M & A activities: Merger process from planning to implementation, five stage model, and methods of financial mergers	4L
4	Synergy and value creation in mergers: Types of synergy, role of industry life cycle, value creation in synergy, factors contributing to M & A.	4L
5	Corporate Restructuring: Meaning & need, different methods of corporate restructuring.	4L
6	Demergers: Meaning & characteristics, structure of demerger, tax implications	4L
7	LBOs, MBOs, MLPs, ESOPs: Concepts, mode of purchase in LBO, key motives behind an MBO, classify types of MLP, & ESOP.	4L
8	Joint ventures: Meaning & characteristics, role of joint venture in business strategy, Tax aspect of joint venture, reasons for failure in joint venture.	4L
9	Valuation of assets: basis of valuation, different methods of valuation, valuation of synergy.	6L
10	Legal & regulatory framework of M& A: Provisions of the Companies Act 1956 relating to M & A., buy back of shares, provisions for SEBI act 1992, income tax act for M & A.	6L
11	Case Studies	2L

Suggested Readings:

- 1. Kamal Ghosh Roy (2010). Merger & Acquisitions. PHI
- 2. Rabi Narayan Kar & Minakshi (2017). Mergers Acquisitions & CorporateRestructuring. Taxmann
- 3. Kapil & Kapil (Mergers and Acquisitions: Valuation Leveraged Buyouts and Financing. Willey
- 4. Donald M. De Pamphilis ,Mergers, Acquisitions, and Other Restructuring Activities,Academic Press
- 5. Robert F. Bruner ,Applied Mergers and Acquisitions, University Edition, Wiley
- 6. Jean Tirole, The Theory of Corporate Finance, , Princeton University Press

FM 404: FINANCIAL DERIVATIVES

Name of the Course:	FINANCIAL	DERIVATIVES
Course Code: FM 404	Semester IV	
Duration: 6 months	Maximum Ma	arks: 100
Teaching Scheme		Examination Scheme
Theory: 5 days./week		Mid Semester exam: 15

Tutorial: NIL	Assignment and Quiz: 10 marks
	Attendance: 5 marks
Practical: hrs./week	End Semester Exam: 70 Marks
Credit Points: 4	

Credit Points:	4		
Unit	Content	Hrs/Unit	Marks/Unit
1	Introduction to Forward Contract: Forward contracts, Limitations of forward markets, pay-offs, Forward Rate Agreement (FRA) and Forward Foreign Exchange Contract – Cost of Carry Model	6L	
2	Introduction to Futures: Introduction to futures, Stock Futures, Index futures, Commodity Futures and Currency Futures - Distinction between futures and forwards contracts	4L	
3	Concept of Margin – Types of Margin in Futures – ITM, ATM, OTM - Concept of Lot size - Open Interest- Hedging through Forward and Futures – Contango and Backwardation – Basis Risk	4L	
4	Credit Derivatives: Types of Credit Derivatives- Types of Swap-Credit Default Swaps - Collateralized Debt Obligations(CDO) - The Indian Scenario, credit risk mitigation, Weather and Energy Derivatives	6L	
5	Option: Call and Put Option- American and European Option- Put Call Parity	4L	
6	Different Option Strategies: Bully, Bearish, Neutral Non Directional Strategy, Option Strategy – Profit & Loss Chart	4L	
7	Option Valuation: Pricing and Valuation of Option Contract- Binomial Option Pricing Model - Black Scholes Model - their interpretations	8L	
8	Option Greeks: Theta, Vega, Gamma, Delta	2L	
9	Case Studies	2L	
			1

Suggested readings:

- 1. Options, Futures and other Derivatives, John C. Hull, Pearson Education
- 2. Derivatives, Dubofsky and Miller, Oxford University Press
- 3. Financial Derivatives, Gupta, S.L., Prentice Hall.
- 4. Financial Derivatives and Risk Management, O.P. Agarwal, Himalaya Publishing
- 5. Derivatives & Risk Management, Rajiv Srivastava, Oxford Publication House 6. Financial Derivatives: Risk Management, Bhalla. V. K., S. Chand & Company.

HUMAN RESOURCE MANAGEMENT

HR401: MANPOWER PLANNING, RECRUITMENT& SELECTION

Name of the Course:	MANPOWE	R PLANNING, RECRUITMENT& SELECTION
Course Code: HR 401	Semester IV	
Duration: 6 months	Maximum Ma	arks: 100
Teaching Scheme		Examination Scheme
Theory: 5 days./week		Mid Semester exam: 15
Tutorial: NIL		Assignment and Quiz: 10 marks
		Attendance: 5 marks
Practical: hrs./week		End Semester Exam: 70 Marks

Practical: hrs./v	veek	End Semester Exam: 70 Marks		
Unit	Content		Hrs/Unit	Marks/Unit
1	planning, Macro Level Scenario of manpower plan	ning, Factors affecting manpower ver planning, barriers, requisites for ag.	4L	
2	judgement, Ratio- Trend A Delphi Technique, Regressio New Venture analysis, Mark Analysis of existing Manpo inflows and outflows, tu	tov Analysis, Supply Forecasting: ower, Analysis of internal supply; rnover rate, productivity level, lysis of external supply, Balancing	8L	
3	•	nation: Job Analysis - Concepts, b Specification, Uses, Limitations; Methods, Uses, Limitations	4L	
4	Human Resource Information HRIS, its objectives, HRIS F	on System (HRIS): Understanding ramework, Benefits, Trends.	2L	
5	HR Audit, HR Accounting		2L	
6		Plan, Retention Plan, Training n Plan, Compensation Plan	4L	
7	Process, Tools,	ing: Concepts, objectives, SMP Card, HR Dash Boards, HR score	4L	

8	Recruitment and Selection: Concepts, Factors influencing recruitment, reservation rules, resettlement and rehabilitation rules, policy and programmes in Public Sector, Private Sector, MNCs, Government Establishments, Educational Institutions, Health Care & Hospitals, Process of Recruitment, Sources of Recruitment, alternatives to recruitment, The New Techniques: Web, Social Media, Mobile, Recruitment Issues in Core sector, Service sector and IT sector. Selection: Meaning, use of selection for competitive advantage, Selection Process- Tests, types of tests, Group Discussions, Interviews, types of interviews, Common Interview Problems, Assessment Centres, Gamification, Physical fitness tests, Hiring Decisions, Barriers to effective selection, Evaluation of selection process, making selection effective, Outsourcinggains, problems, issues		
9	Case Studies	4L	

Suggested Readings:

- 1. Turner, Paul: HR Forecasting and Planning, Jaico Publishing House
- 2. Armstrong, Michael: A Handbook of Personnel Management Practice, Kogan Page ,London
- 3. Dessler, Gary: Human Resource Management, Pearson Education
- 4. Aswathappa, K: Human Resource Management, Tata McGraw Hill
- 5. Pattanayek, B: Human Resource Management, PHI
- 6. Saiyadain, M.S: Human Resource Management : Tata McGraw Hill

HR 402: EMPLOYEE RELATIONS & LABOUR LAWS

Name of the Course:	EMPLOYER	E RELATIONS & LABOUR LAWS
Course Code: HR 402	Semester IV	
Duration: 6 months	Maximum Ma	arks: 100
Teaching Scheme		Examination Scheme
Theory: 5 days./week		Mid Semester exam: 15
Tutorial: NIL		Assignment and Quiz: 10 marks
		Attendance: 5 marks
Practical: hrs./week		End Semester Exam: 70 Marks

Unit	Content	Hrs/Unit	Marks/Unit
1	Employee Relations Management (ERM): Overview, Tools,	4L	
	Core Issues ,ERM in multi union situations in Core Sector,		
	ERM in Service & IT Sector, Strategic ERM Strategy and		
	Employment Policies, Future Challenges, Performance		
	Management		
	Services, Involvement and Commitment as Competitive		
	Advantages, The Psychological Contract: Interest and		
	Expectations, HR Infrastructure, Employee Surveys		

2	Industrial Relations: Overview, importance, Approaches to IR, Parties to IR, System Model of IR, Industrial Employees of India, Problems of Industrial Workers (absenteeism, commitment, Work Ethics), Contemporary Issues in Employee Relations	4L	
3	Employee Discipline: Types, Misconduct, Disciplinary Action, Disciplinary Enquiry and Procedures, Grievance Handling and Redressal.	2L	
4	Collective Bargaining: Theories, Prerequisites, Process, Negotiating Skills and Strategies, Agreement – content, Validity, Implementation, Productivity Bargaining, Growth of Collective Bargaining in India	2L	
5	Trade Unionism in India: Introduction, Trade Unions, Reasons for Joining Trade Unions, Types and Functions of Trade Unions, Type of Trade Union Agitations, Trade Unions in India and its Problems, Employers' Organizations in India, Managerial Associations.	2L	
6	Employee Welfare and Employee Participation: Concept, Purpose, Statutory and Non-Statutory Provisions, ILO Conventions and its application in India. Meaning of Employee Participation and Empowerment, Advantages, Employee Participation in India- WPM, EPM, Quality Circles- Concept and Practices in India	4L	
7	Legal Framework: Evolution of Labour Laws in India4L	2L	
8	Laws relating to Establishment: Factories Act, 1948; Plantations Labour Act, 1951; Mines Act, 1952; Shops & Establishment Act.	4L	
9	Laws relating to Wages: Payment of Wages Act, 1936; Minimum Wages Act, 1948; Payment of Bonus Act, 1965; Equal Remuneration Act, 1976.	2L	
10	Laws relating to Industrial Relations: Trade Unions Act, 1926; Industrial Employment (Standing Orders) Act, 1946; Industrial Disputes Act, 1947;	6L	

11	Laws relating to Social Security – Employees' Compensation Act, 1923; Employees' State Insurance Act, 1948; Employees' Provident Funds & Misc. Provisions Act, 1952; Maternity Benefit Act, 1961; Contract Labour (Regulations and Abolitions) Act, 1970; Payment of Gratuity Act, 1972, The. Protection of. Human Rights Act, 1993, The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.	4L	
12	Case Studies	4L	

Suggested Readings:

- 1. Agarwal, S.L.: Labour Relations in India, McMillan
- 2. Pathak, A: Legal Aspects of Business, Tata McGraw Hill
- 3. Samant, S.R. & Dongle, B.N. (eds). CLR's Yearly Labour Digest, Dwivedi
- 4. Srivastava, S.C.: Labour Law in Factories, Mines, Plantations etc., Prentice Hall
- 5. Labour Laws: Taxman Publications
- 6. Labour Laws in India: P.L. Malik

HR 403: COMPENSATION AND BENEFITSMANAGEMENT

Name of the Course:	COMPENSA	ΓΙΟΝ AND BENEFITS MANAGEMENT
Course Code: HR 403 Semester IV		
Duration: 6 months	Maximum Mar	rks: 100
Teaching Scheme		Examination Scheme
Theory: 5 Days /week		Mid Semester exam: 15
Tutorial: NIL		Assignment and Quiz: 10 marks
		Attendance: 5 marks
Practical: hrs./week		End Semester Exam: 70 Marks

			1
Unit	Content	Hrs/Unit	Marks/Unit
1	Employment: Policy and Programmes, Reservation Rules, Employment of Women and Dependents, Employment of Land Oustees - Provisions and Practices under the relevant Act and statutory provisions	6L	
2	New Employment Practices: Outsourcing, Contingent Workers, Employee Leasing	4L	
3	Labour Market: Concept, Broad Types of Labour Market	2L	
4	Employment of Contract Labourers: Provisions and Practices under the relevant Act	4L	
5	Concept of Wage and Compensation: Minimum Wage, Fair Wage, Living Wage, Wage Policy, Wage/Salary, Real Wage, Components of Wages: Basic, Dearness Allowances, House Rent Allowances, City Compensatory Allowance, Other Allowances, Wage Fixation, Pay for different types of employees, Managerial/ Executive CompensationWage Administration - Pay Roll Management, Deductions etc	6L	
7	Dearness Allowance: Methods of DA payment, Consumer Price Index, Neutralization	2L	
8	Productivity and Wages: Productivity Bargaining, Incentive Payments, Productivity Linked Bonus, Incentives –Individual & Group, Case Studies on Productivity Bargaining, Reward strategy	4L	
9	Employee Benefits: Statutory & Voluntary Benefits - Fringe Benefits , Retirement Benefits – Provident Fund, Gratuity, Pension, Medical Insurance; ESOP, fundamentals of Computations of taxable income, overtime, etc Reward Management, team rewards & psychological contract	6L	
10	Employee Welfare and Working Conditions:	2L	

Statutory and voluntary measures			
11	Case Studies	4L	

Suggested Readings:

- 1. Belcher, D.W.: Wage and Salary Administration, Practice Hall
- 2. Mondy, R.W. & Noe, R.M.: Human Resource Management, Pearson
- 3. Raynolds, G.L.: Labour Economics & Labour Relations, Practice Hall
- 4. Sarma: Understanding Wages in India,
- 5. Govt. of India: Report on National Commission on Labour (1st 1969, 2nd 2002)
- 6. ILO: Payments by Results.

HR 405: STRATEGIC HRM

Name of the Course:	STRATEGIC	HRM
Course Code: HR 404	Semester IV	
Duration: 6 months	Maximum Mar	rks: 100
Teaching Scheme	·	Examination Scheme
Theory: 5 Days /week		Mid Semester exam: 15
Tutorial: NIL		Assignment and Quiz: 10 marks
		Attendance: 5 marks
Practical: hrs./week		End Semester Exam: 70 Marks
Credit Points: 4		•

Unit	Content	Hrs/Unit	Marks/Unit
1	Introduction: Concept of Strategy, types of strategies, Competitive advantage, value chain, Core competencies and distinctive capabilities, the resource-based view, Meaning of Strategic Management, Strategic Management Process	4L	
2	Strategic HRM: Meaning, elements, components, objectives. Conventional HRMversus Strategic HRM, Integrating HR with Strategic Management: drawing inputsfrom environment, identifying unique strengths, Formulating plans, identifying HRstrategies, implementing strategy and evaluation. Different classifications of HR Strategies. Strategic FIT: A Conceptual Framework. The Best Fit approach and its drawbacks. The "HR" Bundles approach, theoretical perspectives of SHRM, Benefits of SHRM. Challenges of SHRM.	8L	
3	Human Capital Management (HCM) Strategy: Concepts of Human capital, Objectives of HCM, Role of HCM Strategy, The link between HCM and Business Strategy, Developing a HCM Strategy.		

4	Strategic HRP: meaning, definition, objectives, SHRP Process, Tools, Evaluation, HR score card.	2L
5	High Performance Work Systems: Meaning, definition of High Performance Work Systems, Characteristics of HPWS. Components of HPWS. Developing a high Performance Strategy, Developing high performance work systems	4L
6	Resourcing Strategy: Understanding Resourcing, The strategic HRM approach to resourcing, Integrating business and resourcing strategies, Bundling resourcing strategies and activities, The components of employee resourcing strategy: Workforce planning, Employee, Value proposition, Resourcing plans, Retention Strategy, Flexibility strategy.	4L
7	Talent Management Strategy: Understanding Talent Management, Strategic talent	2L
	management, the process of Talent Management, Developing a talent management strategy, Components of a talent management strategy.	
8	Learning and Development Strategy: Understanding learning and development, Strategic HRD, Strategies for creating learning culture, Organizational learning strategies, Single and Double Loop learning, Learning organization strategy, Individual Learning Strategies	4L
9	Reward Strategy: Understanding Reward management, Reward strategy: definition, characteristics, basis, content of reward strategy. Broad- brush reward strategy, Specific reward initiatives. Guiding principles, developing reward strategy, effective reward strategies, criteria for effectiveness, reward strategy and line management capability, the problem with the concept of reward strategy.	4L
10	HR Evaluation: Balance Scorecard, HR score card, Malcom Baldrige business excellence model.	2L
11	Case Studies	2L

Suggested Readings:

- 1. Armstrong, Michael: Armstrong's Handbook of Strategic Human Resource Management, Kogan Page
- 2. L.Holbeche: Aligning Human Resources and Business Strategy,2002,Butterworth Heinemann
- 3. M.Porter: Competitive Advantage, 1985, Free Press
- 4. G.Hamel & C.K.Prahalad: Competing for the Future, 1994, HBR
- 5. Dessler, Gary: Human Resource Management, Pearson Education 6. Agarwala Tanuja: Strategic Human Resource Management, OUP 7. Aswathappa, K: Human Resource Management, Tata McGraw Hill

MANAGEMENT INFORMATION SYSTEM

DATA WAREHOUSING

Semester IV

Name of the Course:

Course Code: MIS 401

MIS 401: DATA WAREHOUSING

		Semester IV				
Duration: 6 months Maximum Mar			1arks: 100			
Teaching Scho	eme		Examination Scheme			
Theory: 5 Days /week			Mid Semester exam: 15			
Tutorial: NIL			Assignment and Quiz: 10 marks			
			Attendance: 5 marks			
Practical: hrs./v	week		End Semester Exam: 70 M	End Semester Exam: 70 Marks		
Credit Points:	4		<u></u>			
Unit	Content			Hrs/Unit	Marks/Unit	
1	Warehouse, C OLTP Syst Characteristic	OLTP Systems tems and s of Data Wa	: Introduction to Data s, Differences between Data Warehouse, rehouse, Functionality advantages of Data	2L		
2	Applications Applications: Up, Devel	lopment Meth	Applications: Warehouse, and Bottom- odology, Tools for ent, Data Warehouse	2L		
3	Data Ware	house Arcl , Tool Selec	tures: Components of hitecture, Technical tion, Federated Data	4L		
4	Dimensional 1	Modelling, Da	E-R Modelling, R Modelling VS ata Warehouse na, Fact Constellation	6L		
5		ETL Ove	formation and erview, ETL ata Transformation,	6L		

6	Access Information and Delivery in Data Warehouse: Information from Data warehouse versus Operational systems, Users of information - their needs and how to provide information, Information delivery - queries, reports, analysis, and applications, Information delivery tools - Desktop environment, Methodology and criteria for tool selection, Information delivery framework, Business Activity Monitoring, Dashboards and Scorecards		
7	Data Warehouse & OLAP: Introduction to OLAP, Multidimensional Data, OLAP Architectures, Data Warehouse and OLAP, Hypercube & Multi cubes	4L	
8	Metadata Management in Data Warehouse: Introduction to Metadata, Categorizing Metadata, Metadata management in practice, Tools for Metadata management	4L	
9	Web in Data Warehouse Architectures: Webenabled Data Warehouse, adapting data warehouse for the web, Web-based information delivery, Browser technology for data warehouse and Security issues, OLAP and Web Enterprise OLAP, Web- OLAP approaches, OLAP Engine design		
10	Case Studies	2L	

Suggested Readings:

- 1. Alex Berson and Stephen Smith Data Warehousing, Data Mining, & OLAP Mc Graw Hill Education
- 2. Reema Thareja Data Warehousing Oxford University Press
- 3. Singh M Data Warehousing & Data Mining PB–Technical Publications
- 4. Varsha Bhosale Data Warehousing & Data Mining Technical Publications
- 5. Paulraj Ponniah- Data Warehousing Fundamentals Wiley India
- 6. Ralph Kimball The Data Warehouse Toolkit Wiley India

MIS 402: MANAGING DIGITAL PLATFORMS

Name of the Course:	DATA WAREHOUSING MANAGING DIGITAL PLATFORMS		
Course Code: MIS 402	Semester IV	Semester IV	
Duration: 6 months Maximum Max		rks: 100	
Teaching Scheme		Examination Scheme	
Theory: 5 Days /week		Mid Semester exam: 15	
Tutorial: NIL		Assignment and Quiz: 10 marks	
		Attendance: 5 marks	

Practical: hrs./week		End Semester Exam: 70 Marks
Credit Points:	4	

Credit I omits.	'		1
Unit	Content	Hrs/Unit	Marks/Unit
1	Business Models for Digital Platforms & New Forms of Value: Emergence of digital platforms Open Innovation & Crowd Sourcing Business Models, Social and Professional Networking Business Models, User-Generated Content & Long Tail Business Models & Revenue Generation	10L	
2	Product platforms: Internal and Supply Chain platforms	4L	
3	Collaborative Computing Technologies: Group Support system, technologies	4L	
4	Digital Platform Ecosystems & Digital Business Models: Ecological Approaches to Strategy & Digital Business Ecosystems, Value Capture in digital platform Ecosystem- Two-sided markets, The Internet of Things (IoT): Implications of Smart Connected Products, Scoping your Digital Ecosystem Niche.	8L	
5	Network Effect: Direct and Indirect, the limitations of modularity, Managing the degree of openness	6L	
6	The Future of Digital Platforms: ReVisioning Game Changers for Future	4L	
7	Case Studies	4L	

Suggested Readings:

- 1. Michael A. Cusumano, Annabelle Gawer, David B. Yoffie, The Business of Platforms: Strategy in the Age of Digital Competition, Innovation, and Power, Harper Business
- 2. Swaminathan T. N., Karthik Kumar, Digital Marketing: From Fundamentals to Future, Andrew McAfee and Erik Brynjolfsson, Cengage Learning India
- 3. Dave Chaffey, Fiona Ellis-Chadwick, Digital Marketing, Pearson
- 4. Abhishek Das, Applications of Digital Marketing for Success in Business, BPB Publications
- 5. Chris Westfall, The New Elevator Pitch: The Definitive Guide to Persuasive Communication in the Digital Age, Marie Street Press
- 6. Feras Alhlou, Shiraz Asif, Eric Fettman Google Analytics Breakthrough: From Zero to Business Impact, Wiley

MIS 403: STRATEGIC MANAGEMENT FOR IT

Name of the Course:	STRATEGIC	MANAGEMENT FOR IT		
Course Code: MIS 403	Semester IV	Semester IV		
Duration: 6 months	Maximum Mai	Maximum Marks: 100		
Teaching Scheme		Examination Scheme		
Theory: 5 Days /week		Mid Semester exam: 15		
Tutorial: NIL		Assignment and Quiz: 10 marks		

		Attendance: 5 marks
Practical: hrs./week		End Semester Exam: 70 Marks
Credit Points:	4	

1 Introduction to Information Technology: Fundamentals of Information Technology, Introduction to Computers & Bull 2 Data Storage and Database Management System: Overview of Database Management Systems (RDBMS) 3 Network and Security: Overview of Network, The Internet Revolution, Internet and Internet technologies, Security and Internet Firewalls 4 Internet: World Wide Web (WWW), Advantages and Disadvantages, Internet Vs Intranet, The purpose and function of Internet Service Provider 5 E-Commerce: E-Commerce Framework, Evolution of E-Commerce - Advantages and Disadvantages, Electronic Payment System, Electronic Cash - Smart Cards and Credits, E-Banking, Online Banking, E-Shopping, E-Marketing, M-Commerce 6 Introduction to Strategies: Conceptual Evolution of Strategy, Scope and Importance of Strategies, Purpose of Business, Difference between Goals and Objectives of Business, Strategic Intent through Vision and Mission Statements, Core Competencies of Business. 7 Strategic Management: Need, Scope, Key features and importance, Role of Strategists in Decision Making, Strategists at various management levels, Types of Strategies, Limitations. 8 Strategy Formulation and Implementation: Process in Strategy Formulation, Strategy Implementation, Strategy Business Units (SBUs) 9 Business Policy and Decision Making: Overview and importance of Business Policies Procedures, Process and Programmes, Types of Policies, Corporate Culture, Factors Considered Before Framing Business Policies, Steps Involved in Framing Business Policies, Policy Cycle and its Stages, Role of Policies in Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management	Unit	Content	Hrs/Unit	Marks/Unit
Database Management System, Concept of Relational Database Management Systems (RDBMS) 3 Network and Security: Overview of Network, The Internet Revolution, Internet and Internet technologies, Security and Internet Firewalls 4 Internet: World Wide Web (WWW), Advantages and Disadvantages, Internet Vs Intranet, The purpose and function of Internet Service Provider 5 E-Commerce: E-Commerce Framework, Evolution of E-Commerce - Advantages and Disadvantages, Electronic Payment System, Electronic Cash - Smart Cards and Credits, E-Banking, Online Banking, E-Shopping, E-Marketing, M-Commerce 6 Introduction to Strategies: Conceptual Evolution of Strategy, Scope and Importance of Strategies, Purpose of Business, Difference between Goals and Objectives of Business, Strategic Intent through Vision and Mission Statements, Core Competencies of Business. 7 Strategic Management: Need, Scope, Key features and importance, Role of Strategists in Decision Making, Strategists at various management levels, Types of Strategies, Limitations. 8 Strategy Formulation and Implementation: Process in Strategy Formulation, Strategy Implementation and its Stages, Reasons for Strategy Failure and Methods to overcome, Strategy Leadership and Strategy Implementation, Strategic Business Units (SBUs) 9 Business Policy and Decision Making: Overview and importance of Business Policies Procedures, Process and Programmes, Types of Policies, Corporate Culture, Factors Considered Before Framing Business Policies, Steps Involved in Framing Business Policies, Opicy Cycle and its Stages, Role of Policies in Strategic Management 10 Strategic Management for IT: Application of Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management	1		2L	
Internet Revolution, Internet and Internet technologies, Security and Internet Firewalls 4	2	Database Management System, Concept of	2L	
Disadvantages, Internet Vs Intranet, The purpose and function of Internet Service Provider 5	3	Internet Revolution, Internet and Internet technologies,	2L	
Commerce - Advantages and Disadvantages, Electronic Payment System, Electronic Cash - Smart Cards and Credits, E-Banking, Online Banking, E-Shopping, E-Marketing, M-Commerce 6 Introduction to Strategies: Conceptual Evolution of Strategy, Scope and Importance of Strategies, Purpose of Business, Difference between Goals and Objectives of Business, Strategic Intent through Vision and Mission Statements, Core Competencies of Business. 7 Strategic Management: Need, Scope, Key features and importance, Role of Strategists in Decision Making, Strategists at various management levels, Types of Strategies, Limitations. 8 Strategy Formulation and Implementation: Process in Strategy Formulation, Strategy Implementation and its Stages, Reasons for Strategy Failure and Methods to overcome, Strategy Leadership and Strategy Implementation, Strategic Business Units (SBUs) 9 Business Policy and Decision Making: Overview and importance of Business Policies Procedures, Process and Programmes, Types of Policies, Corporate Culture, Factors Considered Before Framing Business Policies, Steps Involved in Framing Business Policies, Policy Cycle and its Stages, Role of Policies in Strategic Management 10 Strategic Management for IT: Application of Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management	4	Disadvantages, Internet Vs Intranet, The purpose and function	4L	
Scope and Importance of Strategies, Purpose of Business, Difference between Goals and Objectives of Business, Strategic Intent through Vision and Mission Statements, Core Competencies of Business. 7 Strategic Management: Need, Scope, Key features and importance, Role of Strategists in Decision Making, Strategists at various management levels, Types of Strategies, Limitations. 8 Strategy Formulation and Implementation: Process in Strategy Formulation, Strategy Implementation and its Stages, Reasons for Strategy Failure and Methods to overcome, Strategy Leadership and Strategy Implementation, Strategic Business Units (SBUs) 9 Business Policy and Decision Making: Overview and importance of Business Policies Procedures, Process and Programmes, Types of Policies, Corporate Culture, Factors Considered Before Framing Business Policies, Steps Involved in Framing Business Policies, Policy Cycle and its Stages, Role of Policies in Strategic Management 10 Strategic Management for IT: Application of Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management	5	Commerce - Advantages and Disadvantages, Electronic Payment System, Electronic Cash - Smart Cards and Credits, E-Banking, Online Banking, E-Shopping, E-Marketing, M-	6L	
importance, Role of Strategists in Decision Making, Strategists at various management levels, Types of Strategies, Limitations. 8 Strategy Formulation and Implementation: Process in Strategy Formulation, Strategy Implementation and its Stages, Reasons for Strategy Failure and Methods to overcome, Strategy Leadership and Strategy Implementation, Strategic Business Units (SBUs) 9 Business Policy and Decision Making: Overview and importance of Business Policies Procedures, Process and Programmes, Types of Policies, Corporate Culture, Factors Considered Before Framing Business Policies, Steps Involved in Framing Business Policies, Policy Cycle and its Stages, Role of Policies in Strategic Management 10 Strategic Management for IT: Application of Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management	6	Scope and Importance of Strategies, Purpose of Business, Difference between Goals and Objectives of Business, Strategic Intent through Vision and Mission Statements, Core	4L	
Formulation, Strategy Implementation and its Stages, Reasons for Strategy Failure and Methods to overcome, Strategy Leadership and Strategy Implementation, Strategic Business Units (SBUs) 9 Business Policy and Decision Making: Overview and importance of Business Policies Procedures, Process and Programmes, Types of Policies, Corporate Culture, Factors Considered Before Framing Business Policies, Steps Involved in Framing Business Policies, Policy Cycle and its Stages, Role of Policies in Strategic Management 10 Strategic Management for IT: Application of Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management	7	importance, Role of Strategists in Decision Making, Strategists at various management levels, Types of Strategies,	4L	
importance of Business Policies Procedures, Process and Programmes, Types of Policies, Corporate Culture, Factors Considered Before Framing Business Policies, Steps Involved in Framing Business Policies, Policy Cycle and its Stages, Role of Policies in Strategic Management 10 Strategic Management for IT: Application of Strategy Management in IT, Advantages and Disadvantages of IT in Strategy Management	8	Formulation, Strategy Implementation and its Stages, Reasons for Strategy Failure and Methods to overcome, Strategy Leadership and Strategy Implementation, Strategic Business	6L	
Management in IT, Advantages and Disadvantages of IT in Strategy Management	9	importance of Business Policies Procedures, Process and Programmes, Types of Policies, Corporate Culture, Factors Considered Before Framing Business Policies, Steps Involved in Framing Business Policies, Policy Cycle and its Stages, Role of Policies in Strategic	6L	
11 Case Studies 2L	10	Strategic Management for IT: Application of Strategy Management in IT, Advantages and Disadvantages of IT in	2L	
	11	Case Studies	2L	

Suggested Readings:

- 1. Olivier Furrer Corporate Level Strategy: Theory and Applications-Routledge
- 2. CA Nikhil Singhal, Deepali Singhal Information Technology and Strategic Management For CA-IPCE Mukhaksh Publications
- 3. Chandan Patni Information Technology & Strategic Management for CA IPCC Taxmann
- 4. Bhandari, Verma Strategic Management: A Conceptual Framework McGraw Hill Education
- 5. . Anthony Henry; Understanding Strategic Management Oxford University Press
 - 6. Mellahi; Global Strategic Management- Oxford University Press.

MIS 404: BUSINESS DECISION USING ADVANCE EXCEL

Name of the Course:	BUSINESS D	BUSINESS DECISION USING ADVANCE EXCEL		
Course Code: MIS 404	Semester IV			
Duration: 6 months	Maximum Mar	rks: 100		
Teaching Scheme	·	Examination Scheme		
Theory: 5 Days /week		Mid Semester exam: 15		
Tutorial: NIL		Assignment and Quiz: 10 marks		
		Attendance: 5 marks		
Practical: hrs./week		End Semester Exam: 70 Marks		
Credit Points:	4			

Unit	Content	Hrs/Unit	Marks/Unit
1	Basics of Excel: Referencing, functions and formulas, Text functions, date and time.	4L	
2	Functions: Math functions, Financial functions, Charts, Dynamic named ranges, dynamic charting. Pivot table and pivot chart, Visual display of quantitative information — best practice guidelines.	6L	
3	Statistical functions: Descriptive statistics, Basic graph formatting, Frequency function, histograms, Data tables, scenario manager, Macros, Vlookup	6L	
4	Data Formatting: Auto filter, advanced filter, sorting, Error proofing, conditional formatting, data validation, audit Tool, data cleaning.	6L	
5	Getting external Data: Text, web, database	4L	
6	Use of excel for statistical analysis: Anova, sampling, generating random numbers, Test of Independence-contingency table	4L	
7	Bivariate Analysis: Correlation, Methods of Regression (scatter plot, excel functions, data analysis tool), Multiple Linear Regression	4L	

8	Time series data Analysis Sensitivity analysis: Forecasting techniques and Simulation	4L	
9	Case Studies	2L	

Suggested Readings:

- 1. Bill Jelen, Tracy Syrstad: Microsoft Excel 2019 VBA and Macros, Microsoft Press
- 2. David Whigham, Business Data Analysis Using Excel, Oxford
- 3. Ritu Arora, Advance Excel 2016: Training guide, BPB Publications
- 4. John, Microsoft Excel 2016 Bible, Wiley
- 5. McFedris Excel 2016 Formulas and Functions 1/e -Pearson Education India
- 6. Shmuel Oluwa, Hands-On Financial Modeling with Microsoft Excel 2019: Build practical models for forecasting, valuation, trading, and growth analysis using Excel 2019, Packt Publishing Limited.

MARKETING

MM 401: CONSUMER BEHAVIOUR

Name of the Course: CONSUMER BEHAVIOUR					
Course Code: MM 401 Semester IV					
Duration: 6 mo		Maximum Mark			
Teaching Sch	eme		Examination Scheme		
Theory: 5 Day	s /week		Mid Semester exam: 15		
Tutorial: NIL			Assignment and Quiz: 10 marks		
			Attendance: 5 marks		
Practical: hrs./	week		End Semester Exam : 70 Marks		
Credit Points:	4				
Unit	Content			Hrs/Unit	Marks/Unit
1	Introduction		Behaviour: Defining consumer	2L	
	behaviour, Impa consumer behav	-	s strategies, Current trends in		
2	Consumer Decision Process: Need recognition, information search, evaluation of alternatives, purchase decision, consumption and post- purchase evaluation, Variables that shape decision process-individual differences, psychological processes, environmental influences, Types of decision process – complex decision making, variety seeking, impulse buying, loyalty, degree of involvement in buying			6L	
3	Individual Characteristics: Demographic and psychographic characteristics and market segmentation, Personality, personal values, lifestyle concepts and measurements			4L	
4		•	ng stimuli and perception, Perceptual pretation, and selective perception	2L	
5	_	•	tion acquisition and processing, emory processes	2L	
6			and role of motives, Classifying ation and Involvement	2L	
7	Self-concept: Perspective of self, Consumption and self concept, Gender roles			2L	
8	development, A	ttitude theories on, Relationship	nctions of attitude, Attitude and models, Role of belief in of attitude and behaviour, Attitude	6L	
9	values, Chang consumer beha	ing values, Oviour, Types of	Class: Nature of culture, Cultural Cross- cultural understanding of f subculture and their influence on s, Social stratification	4L	

10	Reference Group Influence: Nature and types of reference groups, How groups influence individuals, Opinion leadership, Word-of- mouth, Innovation and diffusion	2L	
11	Family and Household: Structural and sociological variables affecting families and households, Family life cycles, Role behaviour, Conflict resolution, Changing role of women, Children and household consumer behavior	4L	
12	Case Studies	4L	

Suggested Readings:

Name of the Course: Course Code: MM 402

Duration: 6 months

- 1. Assael, H.: Consumer Behaviour & Marketing Action; South-Western
- 2. Blackwell, R.D., Miniard, P.W. & Engel, J,F.: Consumer Behaviour; South-Western

RETAIL MANAGEMENT

Maximum Marks: 100

- 3. Hawkins, D.I., Best, R.J. Koney, K.A.& Mookerjee, A.: TMH
- 4. Kumar: Conceptual issues in Consumer Behaviors; Pearson Education

Semester IV

- 5. Loudon & Bitta, Della: Consumer Behaviour; TMH
- 6. Shiffman & Kanuk: Consumer Behaviour; Pearson Education

MM 402: RETAIL MANAGEMENT

Teachin	g Scheme	Examination Scheme		
Theory:	5 Days /week	Mid Semester exam: 15		
Tutorial:	NIL	Assignment and Quiz: 10 marks		
		Attendance: 5 marks		
Practical	: hrs./week	End Semester Exam: 70 Marks		
Credit P	oints: 4			
Unit	Content		Hrs/Unit	Marks/Unit
1	Planning. Retail Organization,	h and importance, Strategic Retail Models and Theory of Retail Rural Retailing, Environment and		
2	Retail Operations Management: R techniques, Objectives of Store de Manager, Store record and accoun Information system	signing, Responsibilities of Store	6L	
3	Operations and finance in retailing	g and Strategic Management, g, HRM in retailing, Mall ement, Brand Management, Social	6L	
4	Retail Sales Techniques and Prom and promotion, Promotion Impact, Retail Sales promotion techniques	•	4L	

5	Customer Relationships and Behaviour: Understanding Consumer and Market Segment, Consumer Behaviour and Marketing Strategy, Consumer Perception, Self Concept, Relevance of Culture, Buying Decision, Opinion Leadership, Implications of Personal Influences	4L	
6	International Retailing: International Marketing Research and Information System, Market Analysis, Motives of International Retailing, International Retail Environment and Structure, Analysis of Retailing in Global Setting – methods and competition	6L	
7	Supply Chain Management: Network, Challenges, Forecasting, Sourcing and Vendor Selection, Routing and Route sequencing, Inventory Management, Lead Time uncertainty and Product Availability, Cross Docking and Collaborative Planning.	4L	
8	Electronic Retailing: Use of IT in Retailing, Effective Management of Online catalogues, Direct Retailing Methods, Database Management, Data warehousing, Analysis of E – Retailing Strategies, Digital and Network marketing.	4L	
9	Case Studies	2L	

Suggested Readings:

- 1. Bajaj , Tuli, & Srivastava ——Retail Management || Oxford University Press
- 2. Berman Barry & Evance J.R —Retail Management | Prentice Hall India
- 3. Jain J.N.& Singh P.P Modern Retail Management Principal And Techniques | Regal Publications
- 4. Swapna Pradhan —Retailing Management- Text And Cases| Tata Mcgraw-Hill
- 5. George H, Lucas Jr., Robert P. Bush, Larry G Greshan- Retailing
- 6. Barry Berman, Joel R Evans- Retail Management; A Strategic Approach

MM 405: PRODUCT & BRAND MANAGEMENT

Name of the Course:		PRODUCT & BRAND MANAGEMENT		
Course Code: MM 4)3	Semester IV		
Duration: 6 months		Maximum Marks: 100		
Teaching Scheme		Examination Scheme		
Theory: 5 Days /wee	K	Mid Semester exam: 15		
Tutorial: NIL		Assignment and Quiz: 10 marks		
		Attendance: 5 marks		
Practical: hrs./week		End Semester Exam: 70 Marks		
Credit Points:	4	,		
Unit Conten	t		Hrs/Unit	Marks/Unit

Unit	Content	Hrs/Unit	Marks/Unit
1	Product Concepts: Product Mix concepts, Product Classification. Product Planning: Marketing Plan, Portfolio Analysis, Market Potential and forecasting	4L	
2	Product Market Strategies. New Product Development, Product Life Cycle Stages and corresponding Strategies, Product Evaluation, Product Modification, Line Extension & Brand Extension.	6L	

3	Managing Brand: Concept & function of Brand Management, Brand creation, Brand Name, Brand attributes, awareness, loyalty, Personality association, brand extension, co-branding, branding commodities	4L	
4	Strategic Brand Management Process: developing brand strategy Positioning concept, positioning statement, positioning process and steps; Brand Identity, Roles of brand, building Brand image, Brand dimensions	6L	
5	Planning & Implementing Brand Marketing Programs: Criteria for Choosing Brand Elements, Options & tactics for Brand Elements, Use of IMC for Brand Building, Leveraging Secondary Brand Associations to Brand building	6L	
6	Brand Equity: Concept of brand equity, Brand equity vs brand value, brand equity benefits, brand review, brand value, creating brand equity and brand value.	4L	
7	Brand Personality: Concept, advantages, importance of brand personality, brand personality and user imaging. Brand ambassadors, Brand promise	2L	
8	Brand Communication: Understanding branding objective, brand communication strategy, mapping brand strategy with IMC, Media strategy.	2L	
9	Global Brands: Concept of global brand, benefits, advantages of global branding, building on successful global branding global brand strategy.	2L	
10	Case studies	4L	

Suggested Readings:

- 1. Lehmann, R. Donald & Winer, Russel S. (2004), Product Management, Pearson Education
- 2. Donald R. Lehmann and Russell S. Winer, Product Management, Fourth Edition, TMH
- 3. Keller, Kevin Lane (2007), Strategic Brand Management
- 4. Niraj Kumar & Paras Tripathi, Brand Management (text & cases), Himalaya Publishing House.
- 5. M. G. Parameswaran, 2006, Building Brand Value: Five Steps of Building Powerful Brands, New Delhi: Tata McGraw Hill
- 6. H. V. Verma, 2004, Brand Management, New Delhi: Excel Books

MM 404: SERVICE MARKETING

Name of the Course:	SERVICE MARKETING			
Course Code: MM 404	Semester IV			
Duration: 6 months	Maximum Marks: 100			
Teaching Scheme	Examination Scheme	Examination Scheme		
Theory: 5 Days /week	Mid Semester exam: 15			
Tutorial: NIL	Assignment and Quiz: 1	Assignment and Quiz: 10 marks		
	Attendance: 5 marks			
Practical: hrs./week	End Semester Exam: 70	End Semester Exam: 70 Marks		
Credit Points: 4				
Unit Content		Hrs/Unit	Marks/Unit	

1	Service Concept: Definition, Characteristics of services, Tangibility continuum, Marketing mix for services, Different types of service sectors – traditional and new, Service experience – moments of truth, zone of tolerance.	6L	
2	Service Strategy Planning: Understanding the customer and competition, Positioning services, Service triangle concept	2L	
3	Creating the Service Product: Creating service product, Customer value hierarchy, Flower of service, Service product mix, Branding service products	4L	
4	Service Marketing Pricing and Communications: Approaches to pricing of services, Elements of promotional mix for services	4L	
5	Designing and Managing Service Demand and Capacity: Designing service delivery system, Service blue printing, Customer as co-producer, Capacity	4L	
	constraints, Demand patterns, Strategies for matching capacity and demand, Wait lines and reservations		
6	Planning the Service Environment: Physical evidence, Servicescapes - types and role, customer response to environment, guidelines for servicescape strategies	2L	
7	Managing People: Critical importance of service employees, Problems and difficulties of boundary- spanning roles, Strategies for delivering service quality through people, Service leadership and culture	4L	
8	Service Quality: Service quality, Integrated Gap model - to identify and correct quality problems, Measuring and improving service quality	4L	
9	Different Services: Nature and characteristics of financial, hospitality, health-care, educational & professional, logistics, entertainment services and their respective marketing mix analysis	6L	
10	Case Studies	2L	

Suggested Readings:

- 1. Zeithaml, V.A., Bitner, M J, Grembler, D.D. & Pandit, A.: Service Marketing;, TMH
- 2. Rao, K.R.M.: Services Marketing, Pearson Education
- 3. Rajendra Nargundkar, Services Marketing: Text & Cases, Tata McGrawHill Publishing Company, New Delhi, 2008
- 4. Apte, G.: Service Marketing; OUP.
- 5. Lovelock, C., Wirtz, J. & Chatterjee, J.: Services Marketing; Pearson Education
- 6. Srinivasan R.: Services Marketing; PH