



Program Structure & Syllabus

Master of Business Administration

Duration: 02 Years

Batch: 2023-2025

School of Management

Dhirendra

Singh Parihar

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Rajesh Chakrabarti

Vision of the University:

To be a global leader in education, research, and innovation, empowering higher learning ecosystem

Mission of the University:

M1: Empower all the members of the Bennett ecosystem and provide thought leadership, focus on nation building and prepare our graduates to move with the Times.

M2: Cultivate international partnerships and collaborations with academic institutions, industry, and government organizations and provide a rigorous and innovative education that equips students with the knowledge, skills, and ethical values required to excel in their careers.

M3: Foster a culture of lifelong learning, adaptability, and critical thinking, ensuring graduates are prepared to tackle emerging challenges in all academic fields.

M4: Drive interdisciplinary research and innovation, pushing the boundaries of human knowledge, addressing pressing global issues and solving real world problems.

M5: Enhance a collaborative environment that encourages faculty and students to engage in research, innovation, and entrepreneurship, creating a lasting impact on society.

M6: Promote diversity, equity, and inclusion, ensuring that all individuals, regardless of background, feel welcomed, respected, and empowered.

M7: Prepare students to become global citizens, capable of addressing global challenges and contributing to the well-being of communities worldwide.

M8: Provide a globally connected career services networking with graduate employers and alumni.

M9: Foster a strong sense of ethical responsibility in our graduates, emphasizing the importance of ethical conduct, sustainability, and social impact in professional practice.

M10: Commit to ongoing assessment and improvement of our programs and invest in modern infrastructure and advanced technology to support teaching, research, and innovation adapting to the evolving needs of students, industries, and society.

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Vision of the School/Department:

To Create Progressive and Inclusive Business Influencers

Mission of the School/Department:

SOMM1: To contribute to national capacity and capability building by creating individuals who are prepared to tackle emerging challenges

SOMM2: Cultivate thought leadership, eagerness to learn and adapt

SOMM3: Foster innovative and collaborative business growth in an ethical and inclusive manner

SOMM4: Create a lasting impact on society with collaboration, lifelong learning, knowledge, skills, and ethical values.

Program Educational Objectives (PEO):

PEO1: Our students will demonstrate critical thinking and practical approach to problem solving and function effectively as skilled managers who can respond to changing environment in a social and global context.

PEO2: Our students will be able to communicate effectively, work collaboratively and exhibit high levels of professionalism and ethical responsibilities

PEO3: Our students will be able to adapt to new technology, innovation and changes in the world economy through lifelong learning and flexible mindset.

PEO to Mission Statement Mapping:

Mission Statements →	To contribute to national capacity and capability building by creating individuals who are prepared to tackle emerging challenges	Cultivate thought leadership, eagerness to learn and adapt	Foster innovative and collaborative business growth in an ethical and inclusive manner	Create a lasting impact on society with collaboration, lifelong learning, knowledge, skills, and ethical values.
PEO Statements ↓				
	M1	M2	M3	M4
PEO1	3		1	
PEO2			3	2
PEO3		3		3

1: Low 2: Medium 3: High

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Program Outcomes (POs) and Program Specific Outcomes (PSOs):

Upon completion of the MBA program from BU School of Management, a student shall possess ability to:

PO1: Integration: Integrate functional knowledge and apply managerial skills in changing business environment

PO2: Problem Solving: Integrate theories and practice for analysing and solving problems of business, society and environment

PO3: Ethics: Take ethical decisions and effectively communicate to all stakeholders

PO4: Critical Thinking: Develop sustainable competitive edge through strategic planning, critical thinking and innovation

PO5: Leadership: Demonstrate leadership skills to build high-performing teams

PSO1: Comprehending different Managerial Concepts and Models belonging to the following functional areas: Marketing, Finance and Business Analytics

PSO2: Understanding impact of Digitisation and Innovation on Business in order to maximise value to all stakeholders

PSO3: Identifying opportunities in changing Business Environment and make best use of them through critical thinking and rational decision making

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Mapping of POs/PSOs to PEOs:

<p>PEO Statements →</p> <hr/> <p>Program Outcomes ↓</p>	<p>Our students will demonstrate critical thinking and practical approach to problem solving and function effectively as skilled managers who can respond to changing environment in a social and global context</p> <p>PEO1</p>	<p>Our students will be able to communicate effectively, work collaboratively and exhibit high levels of professionalism and ethical responsibilities</p> <p>PEO2</p>	<p>Our students will be able to adapt to new technology, innovation and changes in the world economy through lifelong learning and flexible mindset.</p> <p>PEO3</p>
<p>PO1: Integration: Integrate functional knowledge and apply managerial skills in changing business environment</p>	<p>3</p>	<p>2</p>	<p>2</p>
<p>PO2: Problem Solving: Integrate theories and practice for analysing and solving problems of business, society and environment</p>	<p>3</p>	<p>1</p>	<p>1</p>
<p>PO3: Ethics: Take ethical decisions and effectively communicate to all stakeholders</p>	<p>1</p>	<p>3</p>	<p>1</p>
<p>PO4: Critical Thinking: Develop sustainable competitive edge through strategic planning, critical thinking and innovation</p>	<p>3</p>	<p>1</p>	<p>3</p>
<p>PO5: Leadership: Demonstrate leadership skills to build high-performing teams</p>	<p>1</p>	<p>2</p>	<p>1</p>
<p>PSO1: Comprehending different Managerial Concepts and Models belonging to the following functional areas: Marketing,</p>	<p>2</p>	<p>1</p>	<p>1</p>

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Finance and Business Analytics			
PSO2: Understanding impact of Digitisation and Innovation on Business in order to maximise value to all stakeholders	2	1	3
PSO3: Identifying opportunities in changing Business Environment and make best use of them through critical thinking and rational decision making	3	1	3

1: Low

2: Medium

3: High

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Bennett University						
School of Management						
Curriculum for the batch MBA 2023-25						
S. No	Course Code	Course Name	L	T	P	Credit
Semester 1						
1	MMBA710L	Microeconomics	2	0	0	2
2	MMBA123L	Professional Communication	2	0	2	3
3	MMBA121L	Managerial Accounting	3	0	0	3
4	MMBA105L	Marketing Management	3	0	0	3
5	MMBA107L	Quantitative Methods for Business	2	0	0	2
6	MMBA109L	Organizational Behavior	2	0	0	2
7	MMBA113L	Legal Aspects of Business	2	0	0	2
8	MMBA117L	Know your Industry	1	0	0	1
Semester 2						
1	MMBA602L	Macroeconomics	2	0	0	2
2	MMBA136L	Operations & Supply Chain Management	3	0	0	3
3	MMBA196J	Business Communication	0	0	4	2
4	MMBA128L	Disruptive Technologies in Business	2	0	0	2
5	MMBA138L	Financial Management	3	0	0	3
6	MMBA124L	Human Resource Management	2	0	0	2
7	MMBA111L	Design Thinking and Innovation	1	0	2	2
8	MMBA120L	Digital Marketing & Media Management	3	0	0	3
9	MMBA132L	Business Research Methods	1	0	2	2
10	MMBA198J	Care for Society	0	0	4	2
Semester 3						
S. No	Course Code	Course Name	L	T	P	Credit
1	MMBA221L	Professional Ethics	2	0	0	2
2	MMBA222L	Innovation, Entrepreneurship and Start-ups	2	0	0	2
3	MMBA700J	Summer Internship Project (SIP)	0	0	8	4
4	MMBA134L	Know yourself	1	0	0	1
General Elective Courses						
1	MMBA235L	International Business	2	0	0	2
2	MMBA733L	Project Management	2	0	0	2
3	MMBA237L	E-Business	2	0	0	2
4	MMBA223L	Psychology in Business	2	0	0	2

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5	MMBA239L	Bibliophiles	2	0	0	2
Elective Courses						
1		Elective 1	2	0	0	2
2		Elective 2	2	0	0	2
3		Elective 3	2	0	0	2
4		Elective 4	2	0	0	2
5		Program Elective - Any course from other specialization	2	0	0	2
Marketing Electives						
1	MMBA224L	Consumer Behaviour	2	0	0	2
2	MMBA225L	Sales & Distribution Management	2	0	0	2
3	MMBA226L	Integrated Marketing Communications	2	0	0	2
4	MMBA228L	Marketing Analytics	2	0	0	2
5	MMBA229L	Strategic Brand Management	2	0	0	2
Finance Electives						
1	MMBA230L	Financial Statement Analysis	2	0	0	2
2	MMBA231L	Business Valuation	2	0	0	2
3	MMBA232L	International Finance	2	0	0	2
4	MMBA233L	Security and Portfolio Management	2	0	0	2
5	MMBA285L	Management of Banks	2	0	0	2
Business Analytics & Operations Electives						
1	MMBA286L	Programming for Analytics	2	0	0	2
2	MMBA287L	Text Mining and Sentiment Analytics	2	0	0	2
3	MMBA288L	Data Mining and Visualization	2	0	0	2
4	MMBA289L	Analytics for Service Operations	2	0	0	2
5	MMBA290L	AI and Machine Learning	2	0	0	2
Media Management Electives						
1	MMBA291L	Digital Media	2	0	0	2
2	MMBA292L	Media Cost Management & Control	2	0	0	2
3	MMBA293L	Media Production and Consumption	2	0	0	2

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4	MMBA294L	Media and Sports Industry	2	0	0	2
5	MMBA245L	Media Research Analytics and Tool	2	0	0	2
Logistics and Supply Chain Management Elective						
1	MMBA533	Supply Chain Management	2	0	0	2
2	MMBA2040	Transportation & Distribution Management	2	0	0	2
3	MMBA2041	Warehousing & Distribution Facilities Management	2	0	0	2
4	MMBA2043	Purchasing & Inventory Management	2	0	0	2
Human Resource Management Electives						
1	MMBA2042L	Performance Management System	2	0	0	2
2	MMBA297L	Talent Acquisition	2	0	0	2
3	MMBA298L	Learning & Development	2	0	0	2
4	MMBA299L	Compensation & Reward Management	2	0	0	2

Semester 4						
S. No	Course Code	Course Name	L	T	P	Credit
1	MMBA204L	Sustainability & Social Responsiveness	2	0	0	2
General Elective Courses						
2	MMBA396J	Management of MSMEs	0	0	12	6
3	MMBA2096J	Dissertation/Internship	0	0	20	10
Elective Courses						
1		Elective I	2	0	0	2
2		Elective II	2	0	0	2
3		Elective III	2	0	0	2
4		Program Elective - Any course from other specialization	2	0	0	2
Marketing Electives						
1	MMBA278L	Marketing of Services	2	0	0	2
2	MMBA280L	Social Media Marketing	2	0	0	2
3	MMBA282L	Sustainable Marketing	2	0	0	2

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4	MMBA284L	Industrial Marketing Management	2	0	0	2
5	MMBA270L	Retail Management	2	0	0	2
Finance Electives						
1	MMBA276L	Behavioural Finance	2	0	0	2
2	MMBA342L	Wealth Management	2	0	0	2
3	MMBA344L	Financial Risk Management	2	0	0	2
4	MMBA346L	Fixed Income Securities	2	0	0	2
Business Analytics & Operations Electives						
1	MMBA348L	Deep Learning	2	0	0	2
2	MMBA350L	Analytics for Sustainable Supply Chain	2	0	0	2
3	MMBA368L	AI Techniques in Analytics	2	0	0	2
13	MMBA2050L	Digital Business Modelling	2	0	0	2
Media Management Electives						
1	MMBA354L	Films and Entertainment Industry	2	0	0	2
2	MMBA356L	Media Planning & Buying	2	0	0	2
3	MMBA358L	Marketing and Branding in Event Industry	2	0	0	2
4	MMBA360L	Media Marketing & Distribution	2	0	0	2
Human Resource Management Electives						
1	MMBA364L	Employee Relation	2	0	0	2
2	MMBA2044L	HR Metrics & Analytics	2	0	0	2
3	MMBA2045L	Organizational Change & Transformation	2	0	0	2
4	MMBA2046L	Strategic HRM	2	0	0	2
Logistics and Supply Chain Management Elective						
1	MMBA2047L	Multimodal Transportation Management	2	0	0	2
2	MMBA2048L	Logistics Documentation System	2	0	0	2
3	MMBA2049L	Logistics Strategy & Planning	2	0	0	2
4	MMBA350L	Analytics for Sustainable Supply Chain	2	0	0	2

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Semester I

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Name of Program	Master of Business Administration				
MMBA710L	Microeconomics	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Inculcate in students an understanding of the fundamental concepts of microeconomics

CO2: The students learn some interactions of supply and demand and characteristics of perfect and imperfect markets.

CO3: Understand the importance of goal setting for every economic agent operating in the microeconomic environment

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1	2				1		1
CO2	1	1					1	
CO3	2	1	1			2	1	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1. Introduction

4 lecture hours

Scope and method of economics; the economic problem: scarcity and choice; the concept of opportunity cost; the question of what to produce, how to produce and how to distribute output; science of economics; Institutions for allocating resources; the basic competitive model; prices, property rights and profits; incentives and information; rationing; positive versus normative analysis. The Scientific method; the role of assumptions; models and mathematics; why economists sometimes disagree. Interdependence and gains from trade; specialization and trade; absolute advantage; comparative advantage and trade

Module 2. Simulation Game

4 lecture hours

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Time Value of Money- How to calculate present values? Multiple Cash flows, Opportunity Cost of Capital. How to value annuities and perpetuity? Using Spreadsheet functions, Financial ratios

Module 3. Theory Of Demand and Supply

5 lecture hours

Determinants of individual demand/supply; demand/supply schedule and demand/supply curve; market versus individual demand/supply; shifts in the demand/supply curve, demand and supply together; how prices allocate resources; elasticity and its application; Types of elasticity; controls on prices; taxes and the costs of taxation; consumer surplus; producer surplus and the efficiency of the markets.

Module 4. Theory of Consumer Behavior

4 lecture hours

The consumption decision - budget constraint, consumption and income/price changes, demand for all other goods and price changes; description of preferences (representing preferences with indifference curves); properties of indifference curves; consumer 's optimum choice; income and substitution effects; labour supply and savings decision - choice between leisure and consumption

Module 5. Theory of Production

3 lecture hours

Production Function, Three stages of Production, Optimal Stage of Production, Average Product, Total Product, Marginal Product

Module 6. Theory of Cost

4 lecture hours

Short Run and Long Run cost, Implicit and Explicit Cost, Nature of Cost, Average Cost, Total Fixed Cost, Marginal Cost, Break Even Point, Operating leverage

Module 7. Theory of Firms

5 lecture hours

Perfect Competition, Monopoly, Monopolistic Competition, Oligopoly, Price Determination in each market type

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Text Books :

1. Mankiw, N. Gregory.. Principles of Microeconomics. 5th ed. Cengage Learning. 2012
2. Salvatore, Dominick, and Rastogi, K. 2016. Managerial Economics: Principles and Worldwide Applications. 8th ed. Oxford Publications.

Reference Books :

1. Samad, S.A., and Chowdary. 2015. "Production Dilemma at Amiko: Short-run or Long-run Costs?" ET Cases.
2. Jayakumar, V., and Chowdary, N.V. 2015. "Anita's First Three Months at BEEPL: Elasticity Experiences?" ET Cases.
3. Jayakumar, V., and Chowdary, N.V. 2015. "Demand and Supply Disequilibrium of Gilead's Sovaldi." ET Cases.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

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Name of Program	Master of Business Administration				
MMBA123L	Professional Communication	L	T	P	C
Owning School/Department	School of Management	2	0	2	3
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the significance of business communication in the contemporary context.

CO2: Improve interpersonal communication and listening skills within a managerial setting.

CO3: Demonstrate effective written communication skills with clarity in expressions, structured arguments and reasoned conclusions.

CO4: Deliver a professional quality formal presentation by exhibiting clarity, logical structure, credibility, effective use of visual aids/technology and appropriate body language.

CO5: Understand strategies for running effective and productive meetings.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1							
CO2					3			
CO3				3				2
CO4					2			2
CO5					2			

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: Communication Strategy and Styles

4 lecture hours

Introduction to the course requirements; Characteristics of professional communication; How to create an effective communication strategy; Communication styles and importance of working with diverse communication styles.

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Unit/Module II :: Interpersonal Communication**6 lecture hours**

Effective Listening- Active and reflective listening as essential skills for leaders, Giving and receiving Feedback - The language of feedback to increase effectiveness, build trust, and avoid defensiveness, Conducting Effective Meetings - Plan and conduct meetings that facilitate group decision-making and are productive.

Unit/Module III: Business Writing**8 lecture hours**

Elements of style and tone in business writing and drafting messages that are persuasive and clear, Designing an effective Resume and a well-drafted cover letter that can help to get noticed in a competitive job market, Writing reports and proposals for a business audience.

Unit/Module IV: Presentation Skills and Public Speaking**10 lecture hours**

Persuasive and effective oral presentations using useful frameworks like- Minto Pyramid, Monroe's Motivated Sequence etc, best practices of design and data visualization to create a persuasive slide deck, practicing persuasive communication using physical cues and an authentic voice to create an executive presence, Impromptu Speaking - Practice creating and delivering a persuasive, logical argument in real time.

Unit/Module V: Communicating Across Cultures**6 lecture hours**

Hofstede's dimensions of national culture, norms and values that govern differences in communication styles, Identifying cultural variations in business communication, increasing individual effectiveness in intercultural communication through an in-depth case discussion.

Unit/Module VI: Persuasive Communication**6 lecture hours**

Pre-suasion, Cialdini's principles of Persuasion

Text Books :

Beebe, Steven A. Communication-Principles for a Lifetime (6th edition). Pearson, 2019.

Reference Books :

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1. Ancona, Deborah, Thomas W. Malone, et al. "In Praise of the Incomplete Leader." Harvard Business Review, February 2007.
2. Batista, Ed. "Make Getting Feedback Less Stressful." Harvard Business Review, August 2014.
3. Carla Ann Harris video: Take The Lead Women. "How To Own Your Power Presentation." May 5, 2014. YouTube.
4. Cialdini, Robert B. "Harnessing the Science of Persuasion." Harvard Business Review, October 2001.
5. Dutta, Soumitra. "Managing Yourself: What's Your Personal Social Media Strategy?" Harvard Business Review, November 2010.
6. Neeley, Tsedal. "Language and Globalization: 'Englishnization' at Rakuten (A)." Harvard Business School Case. Harvard Business School Publishing. Case: 402–12, August 2011.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	45%	20%	35%	100%

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Name of Program	Master of Business Administration				
MMBA121L	Managerial Accounting	L	T	P	C
Owning School/Department	School of Management	3	0	0	3
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To build an increasingly sophisticated level of understanding of the language of accounting and its key concepts.

CO2: To critically analyse and interpret the information conveyed in each of the basic financial statements using various financial tools.

CO3: To develop the essential ability to use complex accounting information as a platform for decision-making.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					2		
CO2		2			3		2	
CO3	3	2		1				3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Introduction of Financial Accounting

10 Lecture hour

Evolution of Accounting – basic concepts of Financial Accounting; Scope and advantages of Financial Accounting; Distinction between Cost Accounting, Management Accounting and Financial Accounting; Generally Accepted Accounting Principles (GAAPs); Accounting Standards; Introduction to US GAAP, IFRS & IND AS; Stages of preparing accounting statements – from input to output; Users of accounting information and financial statements.

Module 2: Understanding of Financial Statements 15 Lecture hour

Nature and objectives of Financial Statements; Uses of Financial Statements, form and content of Financial Statements; Understanding and preparation of various Financial Statements

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(Statement of Profit or Loss; Statement of Financial Position; Statement of Cash Flow; Statement of Changes in Equity) as per Companies Act 2013 along with adjustments and numerical examples on the same.

Module 3: Financial Statement Analysis

12 Lecture hour

Tools and techniques of financial statement; EIC analysis; Comparative Statement Analysis (Horizontal Analysis) and Common Size Statement Analysis (Vertical Analysis); Introduction of Ratio, Ratio – Analysis and interpretation of Ratio, Use & Significance of Ratio, Limitations of Ratio Analysis; Numerical examples.

Simulation:

HBP's Financial Analysis Simulation: Data Detective – By: V.G. Narayanan, Suraj Srinivasan.

[https://hbsp.harvard.edu/product/8742-HTML-](https://hbsp.harvard.edu/product/8742-HTML-ENG?Ntt=Financial%20Analysis%20Simulation%3A%20Data%20Detective%20)

[ENG?Ntt=Financial%20Analysis%20Simulation%3A%20Data%20Detective%20](https://hbsp.harvard.edu/product/8742-HTML-ENG?Ntt=Financial%20Analysis%20Simulation%3A%20Data%20Detective%20)

Module 4: Limitations of Financial Statements and Window Dressing 8 Lecture hour

Limitations of Financial Statements; Critical Review of Financial Statements – Effects of Abnormal Items and Changes in Accounting Policies; Creative Accounting; Ethical issues in financial reporting; Recent scandals in financial reporting.

Text Book

1. Bhattacharyya, A. K. (2022). First Course in Financial Accounting for Business Managers. Platinum Publishers. ISBN: 978-8189874568.
2. Anthony, R., Hawkins, D., Merchant, K. A. (2015). Accounting: Texts and Cases | 13th Edition. McGraw Hill Education Pvt. Ltd. ISBN: 978-1259097126.
3. Narayanswamy, R. Financial Accounting- A Managerial Perspective. Prentice Hall of India. ISBN: 9788120353435.
4. Dhamija, S. (2018). Financial Accounting for Managers. Pearson Education India. ISBN: 9788131773437, 9788131773437.

Reference Books :

1. Shah, P. (2019). Financial Accounting for Management (3e). Oxford University Press. ISBN: 978-0199494439.

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2. Maheshwari, S. N., Maheshwari Suneel K & Maheshwari Sharad K (2022). Financial and Management Accounting (6th ed.). Noida, India: Sultan Chand and Sons. ISBN: 978-9391820213.
3. Horngren, C. T. (2017). Introduction to Financial Accounting. (11th ed.). Pearson Education. ISBN-13 : 978-9352862474.

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	45%	20%	35%	100%

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Program	Master of Business Administration				
MMBA105L	Marketing Management	L	T	P	C
Owning School/Department	Management	3	0	0	3
Pre-requisites/Exposure	NIL				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To exhibit strong conceptual knowledge in the functional areas of marketing management

CO2: To estimate different strategic possibilities regarding the communication and delivery of the values in marketing

CO3: To exhibit analytical skills in identification and solutions of marketing management and strategic marketing problems

CO4: To identify the areas of modern age marketing.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					3		2
CO2		3					3	
CO3	2			3		2	2	
CO4				3	2			3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Fundamentals of Marketing

3 lecture hours

Meaning of the term “marketing” and “marketing management”, nature and scope of marketing, difference between marketing and selling, marketing myopia, Evolution of marketing concepts: The production concept, the product concept, the selling concept, the marketing concept, the societal marketing concept, the holistic marketing concept. Introduction to the concept of marketing mix.

Experiential learning: Case Study Analysis & Discussion “Procter & Gamble's

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Marketing Mix (4P) Analysis”.

Module II :: Marketing Environment

2 lecture hours

Meaning and types of marketing environment, understanding of macro marketing environment, PESTEL Analysis, microenvironment, SWOT Analysis.

Module III: Consumer Behavior

12 lecture hours

Understanding consumers and consumer behavior, factors influencing the buying decisions of consumers, Consumer buying motives, stages in consumer buying decision process

Experiential learning: Case Study Analysis and Discussion “What You’re Getting Wrong About Customer Journeys” (Harvard Business Review, July-August, 2022)

Business market vs consumer market, concept of business market and derived demand

Importance of B2B Marketing.

Module IV: Marketing Information System and Marketing Research 3 lecture hours

Marketing information system and its applications, Role of marketing research in the decision-making process of a business, Marketing research procedure, ethics in marketing research

Experiential learning: Questionnaire preparation and data collection by the students from certain specific industries

Module V: Segmentation, Targeting and Positioning

5 lecture hours

Market segmentation: Understanding the concept, the bases of market segmentation in consumer market, criteria for effective market segmentation, market segmentation of industrial goods.

Experiential learning: Case Study Analysis and Discussion “Fogg’s Fragrance in Indian Deodorant Market: Category Challenger with Unique Marketing Mix” (ET Cases, June, 2014)

Target marketing: Understanding the concept, major dimensions of target marketing, describing marketing efforts: A Shotgun Approach, Rifle Approach.

Positioning: The concept of positioning, describe effective qualities of a successful positioning.

Experiential learning: Students are to prepare a report on the positioning strategies of different products given to them.

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Module VI: Product and Brand Management**5 lecture hours**

Product: Product as an offering and its meaning, product, total product concept, New product development process, failure of a new product, Product Life Cycle (PLC): Concept of PLC, various stages in product life cycle, product life cycle concepts as a guideline for formulation and implementation of marketing strategy, Concept of brand and branding, concept of brand identity and brand image, Brand equity

Experiential learning: Case Study Analysis and Discussion “Prune the Brand Portfolio?” (Harvard Business Review, March–April, 2018)

Module VII: Marketing Information System and Marketing Research 3 lecture hours

Concept of pricing, objectives of pricing strategies, The role of value in pricing, factors influencing pricing, General pricing strategies, Developing a pricing strategy

Mid-semester project: Selling and salesmanship

Module VIII: Channel Management, Channel Design and Applications 5 lecture hours

Channel design steps and types of distribution strategy, Channel dynamics and channel conflict management, Online marketing channel and channel design

Experiential Learning: Case Study Analysis and Discussion “Integrated Marketing Channels: DTDC India” (Strategic Marketing Management in Asia: Case Studies and Lessons Across Industries, Emerald Publishing, 2017).

Module IX: Retailing, Wholesaling and Logistics**2 lecture hours**

Retailing, Wholesaling and logistics

Module X: Integrated Marketing Communications**5 lecture hours**

Concept of Marketing Mix and Integrated Marketing Communications (IMC), different modes of IMC, Factors Effecting IMC and Important related issues, designing effective measurement

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of IMC

Experiential Learning: Case Study Analysis and Discussion “Wonder Cement: Building a Strong Brandthrough Digital Marketing” (marketing Management: Indian Cases, Pearson, 2020).

Module XI : Marketing of Services

2 lecture hours

An introduction to services, Objectives of services marketing

Module XII : Marketing Metrics, Performance and Strategy Implementation 2 lecture hours

Marketing metrics and performance, Barriers in using marketing metrics, Managing successful strategy implementation.

Text Books :

1. Kotler, Philip, and Kevin Lane Keller. Marketing Management (14th ed.). Pearson, 2012. ISBN: 978-0-132-10292-6.
2. Ramaswamy, V. S., and Namakumari, S. Marketing Management: Indian Context, Global Perspective (5th ed.). McGraw Hill Education India, 2017. ISBN: 978-1-259-02641-6.
3. Best, Roger J. Market-Based Management Strategies for Growing Customer Value and Profitability (6th ed.). Pearson, 2013. ISBN: 978-0-130-38775-2

Reference Books :

- a) Saxena, Rajan. Marketing Management (6th ed.). McGraw Hill, 2019. ISBN: 978-9-389-53833-5.
- b) Baines, Paul, Chris Fill, Kelly Page, and Piyush K. Sinha. Marketing (Asian Edition). Oxford, 2013. ISBN: 978-0-19-807944-6.

Rajesh Chakrabarti

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	30%	35%	35%	100%

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Program	Master of Business Administration				
MMBA107L	Quantitative methods for Business	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Be able to identify and understand the classic and contemporary research paradigm.

CO2: Be able to identify and define the patterns in the real-world data and develop critical thinking to examine and induce problem solving skills.

CO3: Develop the ability to summarize and extract insights from the real-world data both from qualitative and quantitative aspects.

CO4: Be able to collaborate, assess, extend, and explain the existing and derived meanings towards advance decision insights in the interest of business society and human well-being at large.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					<u>3</u>		
CO2	2	3		2		2	2	
CO3		3		3		2		3
CO4	2	3		3				2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: Introduction to Quantitative Techniques

10 lecture hours

Introduction to quantitative techniques, Measurement of variables and scales, Descriptive Statistics -Measures of central Tendency and dispersion, Probability and its applications, Introduction to statistical inference, Hypothesis testing and inferences

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Unit II: Correlation and Regression Techniques**6 lecture hours**

Introduction to correlation analysis, Regression technique fundamentals, Simple and multiple regression, Assumptions of linear regression

Unit III: Time Series Analysis and Decision Theory**6 lectures hours**

Introduction to Time Series Analysis, Univariate and multivariate analysis, Analysis of stationarity of time series, Decision Theory -Decision making certainty, uncertainty, and risk

Unit/Module IV: Linear Programming and Game Theory**6 lecture hours**

General LP model, Linear Programming: Formulation, Graphical Method, Game Theory -Pure strategy

Text Books :

1. Camm, J. D., Cochran, J. J., Fry, M. J., Ohlmann, J. W., Anderson, D. R., Sweeney, D. J., Williams, T. A. Essentials of Business Analytics. 3rd ed. Boston: Cengage Learning, 2019.

Reference Books :

1. Bernard W. Taylor, Introduction to Management Science (12th Edition), Pearson.
2. Frederick S. Hillier and GERAL J. Lieberman, Introduction to Operations Research: Concept and Cases (9th Edition), Tata McGraw Hill.
3. Paolo Brandimarte, Quantitative Methods: An Introduction for Business Management.
4. Richard L. Levin and David S. Rubin, Statistics for Management, Eastern Economy Edition.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA109L	Organizational Behaviour	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	NIL				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Enhance the understanding of human behavior at work.

CO2: Increase awareness of the people-related challenges of organizational life, and to build proficiencies in dealing with them effectively.

CO3: Address the holistic development of the student's personality with conceptual, analytical and communication skills.

CO4: Improve team skills and gain an appreciation of team dynamics and to facilitate development of leadership competencies.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1		1			2	1	1	2
CO2		1			2		3	
CO3							3	2
CO4					3	3		3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: Introduction and Individual Differences- Single Level of Analysis

8 lecture hours

Introduction to Organizational Behavior, Various trends in OB, Foundation of Individual Behaviour, Personality and Personal Effectiveness, Motivational Process and theories (Need theories and cognitive theories)

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Unit/Module II : Individual Perceptual process and learning **7 lecture hours**

Perceptual Process (process of receiving stimuli, process of selecting stimuli), Attitudes and Values, Attributional process, Learning process, Different learning theories, coping with stress and frustration

Unit/Module III: Group Dynamics- Multiple Level of Analysis **7 lecture hours**

Understanding Groups & Team: Team effectiveness, Team Building, Team Dynamics, Communication, Leadership: Theories & Challenges, Conflict.

Unit/Module IV: Organizational Processes- Multiple Level Interconnectedness **6 lecture hours**

Organizational Culture, climate & Effectiveness, Organizational Change & Development, Power & Politics, Organizational Learning, Case Presentation

Text Books :

1. Robbins, Stephen P., Timothy A. Judge, and Neharika Vohra. Organizational Behaviour (14th ed.). New Delhi: Pearsons, 2016.
2. Pareek, Udai. Understanding Organizational Behaviour (3rd ed.). Oxford University Publications, 2011.

Reference Books :

1. Aswathappa, K., & Reddy, G. S. Organisational Behaviour (Vol. 12). Himalaya Publishing House, 2009.
2. Greenberg, J., and Baron, R. Behavior in Organisations. New Delhi, India: PHI Learning Private Limited, 2017.
3. Luthans, Fred. Organizational Behavior. New Delhi: McGraw-Hill Professional, 2018.
4. Hellriegel, Don, and Slocum, John. Organizational Behavior. Southwestern, CENGAGE Learning, 2018.

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Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

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Program	Master of Business Administration				
MMBA113L	Legal Aspects of Business	L	T	P	C
Owning School/Department	Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To appreciate the relevance of business law to individuals and businesses and the role of law in an economic, political and social context.

CO2: Understand the legal structure of different forms of business organizations and their responsibilities as an employer.

CO3: Identify the fundamental legal principles behind contractual agreements.

CO4: Acquire problem-solving techniques and be able to present coherent, concise legal

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1	3	1			1		
CO2			3					
CO3							2	
CO4		3				1		3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: The Indian Contract Act, 1872: General Principle of Law of Contract

7 lecture hours

Contract - meaning, characteristics, difference between agreement and contract, types of contracts, Essentials of valid contract – Offer (types and difference from invitation to offer),

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acceptance (legal rules), consideration (legal rules), contractual capacity-Position of agreements with minors, Unsound mind, disqualified by law, free consent- Coercion, Undue influence, Misrepresentation, fraud and Mistake.

Module 2: The Indian Contract Act, 1872: Special types of contracts 6 lecture hours

Contract of Bailment & Pledge (concept, types, duties and rights), LIEN, Contract of Indemnity (Basic concept and parties involved, Essential Features/ Legal rules of Contract of Indemnity, rights of Indemnifier), Contract of Guarantee (Basic concept and parties involved, Essential Features/ Legal, rules of Contract of Guarantee, Extent of Surety's liability, Kind of Guarantees), Difference between Contract of Indemnity and Contract of Guarantee

Module 3: The Sale of Goods Act, 1930

6 lecture hours

Contract of sale, meaning, Types of goods, Difference between sale and agreement to sell, Conditions and warranties, Unpaid seller - meaning and rights of an unpaid seller against the goods and the buyer

Module 4: The Negotiable Instruments Act 1881

6 lecture hours

Meaning and Characteristics of Negotiable Instruments: Promissory Note, Bill of Exchange, Cheque, Crossing of Cheque, Types of Endorsements

Module 5:

4 lecture hours

Labour laws, The four labour codes

Text Books :

1. Pathak, A. 2014. Legal Aspects of Business. 6th ed. McGraw Hill Education.
2. Maheshwari, S.K., and Maheshwari, S.N. 2015. A Manual of Business Law. 6th ed. Himalayan Pub House.
3. Singh, Avtar. 2015. Business Law. 1st ed. Eastern Book Company, Lucknow.

Readings

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1. Kuchhal, M.C., and Vivek Kuchhal. Business Law. 4th ed. Vikas Publishing House, 2014.
2. Pathak, A. Legal Aspect of Business. 6th ed. McGraw Hill Education, 2014.
3. Dr. Maheshwari, S.K., and Dr. Maheshwari S.N. A Manual of Business Law. 6th ed. Himalayan Pub House, 2015.
4. Singh, Avtar. Business Law. 1st ed. Eastern Book Company, 2015.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	30%	30%	40%	100%

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Program	Master of Business Administration				
MMBA117L	Know Your Industry	L	T	P	C
Owning School/Department	School of Management	1	0	0	1
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand how to analyse the nature of industry and Industry Dynamics

CO2: Understand the importance of knowing the industry.

CO3: Understand how to go about taking measures for sustaining business in a particular industry.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3		3					3
CO2		3	3					3
CO3				3				3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I:

3.5 lecture hours

Introduction, Industry Characteristics, Industry Environment, Industry Analysis,
Assignment -I for Interim Report

Unit/Module II :

3.5 lecture hours

Five Forces, Interim Report, Feedback,

Unit/Module III:

3.5 lecture hours

Use of Database for understanding industry trends

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Unit/Module IV:

3.5 lecture hours

Project Presentations and Report Submission

Text Books :

NA

Reference Books :

NA

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	50%	0%	50%	100%

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Semester II

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Program	Master of Business Administration				
MMBA602L	Macroeconomics	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	NIL				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Inculcate in students an understanding of the fundamental concepts of macroeconomics

CO2: Understand the basic identities of National Income Accounting

CO3: Understand measurement of the macroeconomic variables like GDP, consumption, savings, investment and balance of payments.

CO4: Understand the importance of goal setting for every economic agent operating in the macroeconomic environment including governments and central banks.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1		3		3		3		
CO2	3					3		
CO3		2				3		
CO4		3						2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Macroeconomics

3 lecture hours

What is macroeconomics? Macroeconomic issues in an economy. Thinking Like an Economist, Circular, Flow of Economy, Doughnut Economy

Module II : National Income Accounting

5 lecture hours

Concepts of GDP and National Income; measurement of national income and related aggregates; nominal and real income; limitations of the GDP concept.

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Module III: Short Run Macroeconomics**5 lecture hours**

Actual and potential GDP; aggregate expenditure; consumption function; investment function; equilibrium GDP; concepts of MPS, APS, MPC, APC; autonomous expenditure; Concept of multiplier, Fiscal policy

Module IV: Money in a Modern Economy**5 lecture hours**

Money in a Modern Economy Concept of money in a modern economy; monetary aggregates; demand for money; money supply and credit creation; monetary policy

Module V: World Macroeconomic History**5 lecture hours**

Documentary on World Macroeconomic Events

Module VI: The union budget of India**5 lecture hours**

Nuances of the budget of India, Analysis of Indian Budget 2023

Text Books :

1. N. Gregory Mankiw (2013). Macroeconomics (8th edition).
2. Dornbusch, R and Stanley Fischer and R Startz, (2012, tenth edition) :
“Macroeconomics”, Tata McGraw-Hill

Reference Books :

1. Samad, S.A & Chowdary. (2015). Big Mac Index: An Exchange Rate Exercise .ET Cases
2. Yelamanchi, B. & Chowdary, N (2018). How to Improve India's Competitiveness Ranking? ET Cases

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

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Program	Master of Business Administration				
MMBA136L	Operations & Supply Chain Management	L	T	P	C
Owning School/Department	School of Management	3	0	0	3
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the function of operations management and how it relates to other business functions.

CO2: Critically analyse the process of conversion system

CO3: Design an efficient layout for production and service operations system

CO4: Accurately deploy established techniques in managing capacity and demand.

CO5: Apply various modern tools, techniques and methods for managing supply chain effectively and efficiently.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					3		
CO2		3				3		
CO3		3					3	
CO4				3				2
CO5					2		2	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: Introduction to Operations Management

4 lecture hours

Objectives and goals, Operations functions and its linkage with other functions in organization

Products and services, Transformation processes, Roles and responsibilities of an operations

Manager Operations strategy.

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Unit/Module II : Designing of Product and Processes**8 lecture hours**

Key parameters for Product and Service Design. Service operations blueprint, Factors influence process design, Product-Process linkage and process metrics Process flow analysis Process selection and technology -Project, Job shop, Batch, Assembly line and Continuous flow type of processes

Unit/Module III: Capacity, Layout and Location Planning**10 lecture hours**

Understanding capacity planning-Design, Effective and Actual capacity Capacity planning process, Managing under and over-capacity in manufacturing and service operations Understanding of various types of layouts, Planning layout for operational efficiencies and effectiveness of operation system. Factors affecting location decisions, Location planning models

Unit/Module IV: Supply Chain Management**8 lecture hours**

Supply Chain Management (SCM): Definition, Evolution and Relevance Functions and of Supply Chain Management, Objectives of SCM Logistics Management -Inventory, Transportation and Warehousing Sourcing, Types of Tenders, Information Technology in Supply Chain Inventory management and inventory related cost inventory models Transportation planning and models

Unit/Module V: Aggregate Planning & Scheduling**6 lecture hours**

JIT Manufacturing; Aggregate production planning and strategy Material Requirement Planning (MRP-I) Operations scheduling

Unit/Module VI: Managing Quality and Six Sigma**6 lecture hours**

Importance of quality control, Cost of quality, Statistical process control, Acceptance sampling Six Sigma and applications

Text Books :

1. Stevenson, W. J. Operations Management. 9th ed. Tata McGraw-Hill, [Year of publication].

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2. Chase, R.B., Aquilano, N.J., Jacobs, F.R., and Shankar, R. Operations Management for Competitive Advantage. 14th ed. Tata McGraw-Hill, [Year of publication].

Reference Books :

1. Fitzsimmons, James A., Mona Fitzsimmons, and Sanjeev K. Bordoloi. Service Management- Operations, Strategy, Information Technology. 8th ed. New Delhi: McGraw Hill Education, ISBN: 978-0-07-802407-8.
2. Mahadevan, B. Operations Management: Theory and Practices. 2nd ed. New Delhi: Pearson Education, 2018.
3. Gaither, Norman. Production and Operation Management. 10th ed. Bombay: Dryden Press, Thomson Learning, 2016.
4. Slack, Nigel, Stuart Chambers, and Robert Johnston. Operations Management. 5th ed. FT: Prentice Hall, 2007.
5. Krajewski, Lee J., Larry P. Ritzman, Manoj K. Malhotra, and S. K. Srivastava. Operations Management: Processes and Supply Chains. 9th ed. New Delhi: Pearson Education, 2015.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

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Program	Master of Business Administration				
MMBA196J	Business Communication	L	T	P	C
Owning School/Department	School of Management	0	0	4	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Present his/her knowledge and skills effectively to prospective recruiters during the recruitment process.

CO2: Discuss on topics of management relevance coherently, logically and analytically.

CO3: Demonstrate appropriate workplace etiquette.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3							1
CO2		2				1		
CO3			2		2		2	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Group Discussions

10 lecture hours

Debate on topics related to market awareness, current affairs and business problems.

Module 2: Conducting Effective Meetings

8 lecture hours

Structured Problem Solving. Multiple Approaches to decision making · Understanding Critical and Analytical Thinking · Why structured problem-solving matters and what are its pitfalls?

Module 3: Negotiation Strategies in Communication

8 lecture hours

An understanding of both analytical tools and interpersonal techniques for dealing effectively with different bargaining styles and tactics.

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Module 4: Conflict Management**6 lecture hours**

Styles of Conflict Management. Strategies to manage conflict. Drafting strategic messages for key stakeholder groups (e.g., employees, customers, government officials, key opinion leaders, community leaders, etc.)

Module 5: Personal Interviews**9 lecture hours****Text Books :**

1. Beebe, Steven A. 2019. Communication: Principles for a Lifetime. 6th ed. Pearson.
2. Cain, Susan. "The Power of Introverts." TED Talk. TED.com. February 2012.
3. Conger, Jay A. "Inspiring Others: The Language of Leadership." *Research Gate* 5, no. 1 (1991).
4. Davenport, Thomas H., and Jinho Kim. "Communicating and Acting on Results." *Harvard Business Review*, June 2013.
5. Ramarajan, Lakshmi, and Alex Radu. "Carla Ann Harris at Morgan Stanley." *Harvard Business School*. Case: 415-029, September 2014.
6. Ulrich, Dave, and Norm Smallwood. "Five Steps to Building Your Personal Leadership Brand." *Harvard Business Review*, March 2010.
7. "10 Golden Rules of Personal Branding." *Forbes*.
<https://www.forbes.com/sites/goldiechan/2018/11/08/10-golden-rules-personal-branding/#1cc77b058a7b>.
8. "Reinventing Your Personal Brand." *Harvard Business Review*.

Reference Books :

1. Gallo, Carmine. "How to Run a Meeting Like Google." *Bloomberg*, September 27, 2006.
2. George, Bill, Peter Sims, et al. "Discovering Your Authentic Leadership." *Harvard Business Review*, February 2007.
3. Hartman, Neal. "Seven Steps to Running the Most Effective Meeting Possible." *Forbes Leadership Forum*, February 2014.
4. Phillips, Katherine W. "How Diversity Makes Us Smarter." *Scientific American*, October 2014.

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Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	35%	30%	35%	100%

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Program	Master of Business Administration				
MMBA128L	Disruptive Technologies in Business	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Gain insight into how disruption drives structural industry change

CO2: Understand how innovation can create the potential for future disruption, and discover the difference between durable initiatives and industry fads

CO3: Identify the characteristics that protect industry longevity and help defend against being disrupted

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	1					3	
CO2				3		3		
CO3	1		3					3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Lenses on the World

4 lecture hours

Introduction to Disruption and the Disruption Theory; Developing an innovative mindset and adopting a strategic mindset to rightly identify the disruption coming on the way

Case: ING Bank Facing Digital Disruption

Module II: Aligning Innovation with Disruption

4 lecture hours

Identifying the three types of innovation and predicting when they will happen; Harness disruption and position the business for new growth

Case: Netflix Inc.: The Disruptor Faces Disruption

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Module III: Organising for Innovation**4 lecture hours**

Identifying what an organization can do and cannot do; Aligning organisation resources, processes, and profit formula to develop an innovative culture and position your business for growth

Case: The Nypro/Vistakon Disposable Contact Lens

Module IV: Network effects**4 lecture hours**

Identifying Network and Network properties; Direct and Indirect Network effects; Dynamics of Positive Network Externalities

Case: Airbnb, Etsy, Uber: Growing from One Thousand to One Million Customers

Module V: Strategising for Innovation**4 lecture hours**

Effectively balancing the deliberate and emergent strategy processes to unlock innovation within the organization; Determining the “type” of money will empower new business ideas to flourish

Case: Reliance Jio

Module VI: Reflecting on Disruptive Strategy**4 lecture hours**

Exploring how to apply the learning in Disruptive Strategy over the next year(s)

Text Books :

1. What Is Disruptive Innovation? By: Clayton M. Christensen, Michael E. Raynor, Rory McDonald.
2. Thriving in an Increasingly Digital Ecosystem By: Peter Weill, Stephanie Woerner.

Reference Books :

1. Seeing What's Next: Introduction (How to Use Theories of Disruptive Innovation to Predict Industry Change) By: Clayton M. Christensen; Scott D. Anthony; Erik A. Roth.
2. Principles and Patterns of Disruptive Innovation By: Scott D. Anthony; Mark W. Johnson; Joseph V. Sinfield; Elizabeth J. Altman
3. Innovating in Uncertain Times: Lessons from 2022 By: Chris Howard

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4. What Makes Innovation Partnerships Succeed By: Paola Cecchi Dimeglio; Taha Masood; Andy Ouderkirk
5. Welcome to Web3 By: Thomas Stackpole; Reid Blackman; Ramsey Khabbaz; Jonathan Ruane; Andrew McAfee; Ana Andjelic; Li Jing; Katie Parrott

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA138L	Financial Management	L	T	P	C
Owning School/Department	School of Management	3	0	0	3
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Familiarizing the students with the financial environment of business, especially the financial markets.

CO2: Gaining knowledge about the decisions and decision variables involved in building the liability side of balance sheet of the firm.

CO3: Developing required analytical skills by associating tools and techniques with the financial situation.

CO4: Developing skills for understanding business information and application of financial theory in financing related decisions.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1				3				3
CO2		3					1	
CO3		2						
CO4	3						2	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1.

1.5 lecture hours

Introduction to Financial Management- Evolution, Objectives. Types of Organizations.

Agency Problem.

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Module 2.**3 lecture hours**

Time Value of Money- How to calculate present values? Multiple Cash flows, Opportunity Cost of Capital. How to value annuities and perpetuity? Using Spreadsheet functions, Financial ratios

Module 3.**6 lecture hours**

Capital Budgeting: Evaluation Techniques: NPV, IRR, Payback Period, PI.

Module 4.**6 lecture hours**

Introduction to Risk and Return – Holding period and expected returns. Calculation of Beta, CAPM, APT

Module 5.**6 lecture hours**

Cost of Capital (equity, debt, preference shares and debentures. Calculation of WACC) and Capital Structure

Module 6.**4.5 lecture hours**

Capital Structure and Firm Value. Overview of Financing Decision, The Optimal Financing Mix, Leverage Analysis

Module 7.**3 lecture hours**

Dividend Policies and Firm Value. Modigliani and Miller Approach. Are Dividends Irrelevant? Dividend Distribution Policies

Text Books :

1. Chandra, Prasanna. Financial Management. India: McGraw-Hill Education (India) Pvt Limited, 2007.

Reference Books :

1. Damodaran, Aswath. Applied Corporate Finance. United Kingdom: Wiley, 2010.
2. Pandey, I. M.. Essentials of Financial Management. India: Vikas Publishing House, 2015

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Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA124L	Human Resource Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO 1: Understand the concept & significance of HRM as a competitive advantage

CO 2: Identify and appreciate the role of HR from a line manager's perspective.

CO 3: Apply HR concepts for managerial decision-making.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3							
CO2	3	2						
CO3				2				2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Human Resource Management

6 lecture hours

Basics of HRM; Process and problems with Human Resource Practices; Nature and scope of Human Resource Management; HRM Models, SHRM: Introduction, characteristics, and scope of SHRM, SHRM vs. Conventional HRM, Human Resource Environment

Module II: Job Analysis

6 lecture hours

Job Analysis: Process of Job-analysis, Job Design, Job Description, Job Specification, Job Evaluation.

ACTIVITY ON JD DESIGNING

Module III: Procurement & Development of employees

6 lecture hours

Prime cost and overheads; Functional analysis of Overheads – Factory, Administration, Recruitment & Selection; Recruitment, Sources of Recruitment, Recruitment in the connected

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world, Selection, Process of Selection- Stages, Induction & Orientation, Difference between training and development, Types of training, Training Methods & Techniques. **CASE STUDY/BUSINESS GAME/ACTIVITY**

Module IV: Maintaining Employees

6 lecture hours

Performance Assessment, Difference between Performance Appraisal and management, Methods of Performance Appraisal, Errors in the appraisal, Introduction to compensation management, Objective of Compensation Planning, Incentives, and Employee Engagement.

CASE STUDY/BUSINESS GAME/ACTIVITY

Module V: Employee Relations

6 lecture hours

Managing Career and Succession Planning, Employee Engagement, Meaning and nature of employee relations, and industrial relations. Trade Unions. Role of Technology in HRIS

CASE STUDY/BUSINESS GAME/ACTIVITY

Text Books :

1. Human Resource Management – Text & Cases, by K. Ashwatappa – Tata McGraw Hill
2. Decenzo, D.A., Robbins, S.P., & Verhulst, S.L. (2015). Human Resource Management 11th eds. Wiley.

Reference Books :

1. Dessler, G. & Varrkey B. (2017). Human Resource Management. Pearson Education.
Human Resource Management – Text & Cases, by VSP Rao, Excel Books

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	60%	0%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA111L	Design Thinking & Innovation	L	T	P	C
Owning School/Department	School of Management	1	0	2	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Learn to use design thinking framework in solving critical innovation problems/challenges.

CO2: Demonstrate by understanding different creativity and design processes to generate breakthrough ideas.

CO3: Use variety of tools to validate their ideas as well as solve complex business problems.

CO4: Develop the capability to engage with customers as well as understand and make sense of observational insights.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1				3				3
CO2		3					1	
CO3		2						
CO4	3						2	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Inspiration

15 lecture hours

Introduction to 'design thinking for innovation' methodology, Why design thinking for business, Challenge definition and ethnography for empathy building, Deliverable creation: Research plan, Questionnaire, Forming insights and framing opportunities, Deliverable creation: Persona, Empathy Map, HMW question Activities: Lego empathy duck exercises, Mural Icebreaker

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Module II: Ideation**9 lecture hours**

Creativity versus Innovation, Creative strategies and brainstorming exercises, Idea selection, grouping, prioritization, Activities: Trick or Treat, 30 circles, Deliverable creation: Idea canvas

Module III: Implementation**9 lecture hours**

Rapid prototyping and testing, Agile iteration with experimentation, Building lo-fidelity solution prototypes and obtaining customer feedback , Activities: Spaghetti marshmallow challenge, Deliverable creation: Prepare group presentations

Module IV: Group Presentations & Organization Challenges 9 lecture hours

Team presentations, Addressing organization challenges, Role of leadership in driving design thinking

Text Books :

1. Reference material: Design Kit, I.D.E.O., 2016. The field guide to human centered design

Reference Books :

1. Lockwood, Thomas. Design Thinking: Integrating Innovation, Customer Experience, and Brand Value. United States: Allworth Press, 2010.
2. Boller, Sharon., Fletcher, Laura. Design Thinking for Training and Development: Creating Learning Journeys That Get Results. United States: Association for Talent Development, 2020.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	25%	35%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA120L	Digital Marketing & Media Management	L	T	P	C
Owning School/Department	School of Management	3	0	0	3
Pre-requisites/Exposure	Marketing management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Identify and define fundamental digital marketing concepts, theories and tools.

CO2: Understand how and why to use digital marketing for multiple goals within a larger marketing and/or media strategy.

CO3: Explain and inculcate in students the requisite skills for implementing effective digital marketing campaigns.

CO4: Equip to create, evaluate, execute and lead a comprehensive digital marketing strategy and plan.

CO5: Empower the students with an understanding of latest global insights and strategies, business models, monetization models and ethical practices pertaining to digital marketing.

CO6: Enable students to critically assess and collaborate on the current and future metrics, research technologies, and research data output related to the field.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1							
CO2						1		2
CO3		2		2			1	
CO4				2				
CO5				2		2		
CO6	1	2					2	

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1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1. Digital Marketing Fundamentals

4 lecture hours

What is digital marketing? How is it different from traditional marketing?, ROI between digital and traditional marketing, New trends and current scenario, Digital marketing a boon or a Bane?, Digital Marketing objectives of SMEs and large organisations. The Digital Marketing Toolbox, The digital media landscape-owned, paid and earned media, The online consumer and the dynamics of the online consumer visit, Online decision making

Module 2. Website Planning and Structure

6 lecture hours

Understanding a website, What is a website, Levels of websites, Difference between a Blog, Portal and Website, Difference between static and dynamic websites, Website Domains, Buying a Domain, Core Objective of Website and Flow, One Page Website, Strategic Design of Home Page, Strategic Design of Products & Services Pages, Pricing Page, Portfolio, Gallery and Contact Us Page, Call to action, Designing a website

Module 3. Search Engine Marketing

7 lecture hours

Introduction to Search Engine Marketing, Tools used for Search engine Marketing, PPC /Google Adwords Tool, Display advertising techniques, Report generation, Search Engine Optimization (SEO), On page optimization techniques, Off page Optimization techniques , Reports and Email Marketing

Module 4. Social Media Marketing

5 lecture hours

Introduction to Social Media Marketing , Advanced Facebook Marketing, blog creation , Twitter marketing, LinkedIn Marketing, Social Media Analytical Tools , Quiz

Module 5. Web Analytics

6 lecture hours

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Measurement Metrics and Analytics tools, Setting up tool for SEO , Adding and managing assets, Integrating analytic tools, site maps and links, Search traffic and links, Google indexing managing crawl errors, Latest advancements and trends

Text Books :

1. Ryan, Damian. 2014. Understanding Digital Marketing: Marketing Strategies for Engaging the Digital Generation. Kogan Page Limited.

Reference Books :

1. Kingsnorth, Simon. 2019. Digital Marketing Strategy: An Integrated Approach to Online Marketing. India: Kogan Page.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	45%	20%	35%	100%

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Program	Master of Business Administration				
MMBA132L	Business Research Methods	L	T	P	C
Owning School/Department	School of Management	1	0	2	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Be able to identify and understand the classic and contemporary research paradigm.

CO2: Be able to identify and define the patterns in the real-world data and develop critical thinking to examine and induce problem solving skills.

CO3: Develop the ability to summarize and extract insights from the real-world data both from qualitative and quantitative aspects.

CO4: Be able to collaborate, assess, extend, and explain the existing and derived meanings towards advance decision insights in the interest of business society and human well-being at large.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					3		
CO2	2	3		2		3	2	
CO3		3		3		2		3
CO4		2		3			3	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: Introduction to Research

2 lecture hours

Introduction to business research, Research process, Types of research

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Unit II: Research Design **4 lecture hours**

Fundamental idea of research design, Classification of research design

Unit III: Literature Review **4 lectures hours**

Introduction to Time Series Analysis, Univariate and multivariate analysis, Analysis of stationarity of time series, Decision Theory -Decision making certainty, uncertainty, and risk

Unit/Module IV: Linear Qualitative research **4 lecture hours**

Fundamental idea of qualitative research, Qualitative research techniques

Unit/Module V: Data and Sampling Techniques **4 lecture hours**

Fundamental idea of data, Types of data and utilities, Sampling concepts and techniques, Probability and non-probability sampling techniques, Sample size determination for qualitative and quantitative research

Unit/Module VI : Scale, Scaling Techniques and Questionnaire Designing **4 lecture hours**

Fundamental idea of qualitative research, Qualitative research techniques

Unit/Module VII: Hypothesis and Hypothesis Testing **2 lecture hours**

Fundamental idea of qualitative research, Qualitative research techniques

Unit/Module VIII : Parametric and Non-parametric Tests **4 lecture hours**

Univariate and bivariate data analysis, Non-parametric tests

Unit/Module IX: Research Report Writing **2 lecture hours**

Fundamental idea of qualitative research, Qualitative research techniques

Text Books :

1. Cooper, D., Schindler, P., & Sharma, J.K. Business Research Methods McGraw Hill Education, New Delhi. 2017
2. Boddy, C.R. (2016). Sample size for qualitative research. Qualitative Market Research: An International Journal, 19(4), 426-432.

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- Zikmund, W. G., Carr, J. C., & Griffin, M. (2013). Business Research Methods (Book Only). Cengage Learning. (refer the latest available edition)

Reference Books :

- Kothari, C. R. Research Methodology- Methods & Techniques, New Age international Publishers, New Delhi. 2016
- Cooper, D., Schindler, P., & Sharma, J.K. Business Research Methods (11th Edition), McGraw Hill Education, New Delhi. 2017

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA198J	Care for Society	L	T	P	C
Owning School/Department	School of Management	0	0	4	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Inculcate in students a sensitivity towards the needs of the society

CO2: Understand the importance of working in a group towards solving a societal goal

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1		2			1		1
CO2		1					2	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Introduction

2 lecture hours

Introduction to the course and activities, Exploration and identification of activities/project
Identification of organizations for target community group, Formation of teams working in different areas,, Feasibility of the identified project

Module 2: Learning from the examples of the world's leading social workers and innovative brains

8 hours

The aim of the module is to sensitise the students about how the best brains in the world are working towards tackling the pressing issues surrounding our society at large. Through examples from Bill Gates' life, the students will try and understand how issues like malnutrition and sanitation are addressed by the richest nations.

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Module 3: Module on Social Entrepreneurship**6 hours**

The aim of this module is to create an awareness among the students about how the social entrepreneurship is changing the landscape of the Nation we live in. As an outcome of the module, we can expect students to formulate a business plan based on social entrepreneurship

Module 4: Field Visit, project report and presentations**40 hours****Project Initiation – Phase I****10 hours**

Field visit: - Problem identification and formulation, Designing the survey methods/training programme, Preparation of activity schedule and task assignment, Submission of progress report to the faculty

Project Progress-Phase II**20 hours**

Regular field visits to the localities or communities where the work has been identified, Analysis of works being carried out, Re-work on strategy formulated if any deviation appears

Project Completion-Phase III**10 hours**

Field Visits and culmination of project work, Findings and analysis of activities conducted, Expediting the project work, Final report submission and presentation

Text Books :

NA

Readings**NA****Assessment Scheme:**

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	100%	0%	0%	100%

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Semester III

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Program	Master of Business Administration				
MMBA221L	Professional Ethics	L	T	P	C
Owning School/Department	Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To acquire an understanding of the key concepts and ideas within the field of ethics.

CO2: Developing the ability to apply ethical concepts to the field of business and corporate social responsibility.

CO3: Acquiring knowledge of the models of corporate governance and being able to understand the gap areas in the corporate governance practice in the today's business world.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3		3			2		
CO2		2	3	3	3			2
CO3		2	3	1	2		3	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: Introduction

2 lecture hours

Business ethics; Importance of Business ethics; Ethical Values, Business ethics in an Indian context.

Unit/Module II : Managing Business Ethics

4 lecture hours

Business ethics in the Global context, Components of Business Ethics Management, Setting

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Standards of Ethical Behavior, Ethical Leadership

Unit/Module III: Ethical Dilemma

4 lecture hours

Ethical Dilemma; The Dilemma Resolution process; Ethical dilemmas in different business areas; Solving ethical dilemma, Managerial integrity and decision making.

Unit/Module IV: Corporate Social Responsibility

8 lecture hours

Introduction to CSR – What and Why of CSR; Emergence of CSR – History and current scenario; Indices for CSR; Stakeholders – Organization, Government, Society; Planning and Implementing CSR activities; Corporate Social Responsibility in an Indian context; International Frameworks

Unit/Module V: Corporate Governance

8 lecture hours

Evolution of Corporate form and models – Global and National Perspectives; Internal Corporate Governance Structure; External Corporate Governance Structure; Corporate Governance in India; Study of Corporate Governance in practical contexts; Corporate Governance Ratings & Business Excellence Awards

Unit/Module VI: Simulation on Business Ethics and Corporate Governance

Leadership Simulation

8 lecture hours

Text Books :

1. Ghosh, B. N. Business Ethics and Corporate Governance. McGraw Hill Education (India), 2012.
2. Jyotsna, G.B., and Joshi, R.C. Business Ethics and Corporate Governance. McGraw Hill Education (India), 2020.
3. Crane, Andrew, and Dirk Matten. Business Ethics. 3rd ed. Oxford University Press, India, 2010.

Reference Books :

1. Lawrence, Anne T., and James Weber. Business and Society: Stakeholders, Ethics, Public Policy. 14th ed. McGraw Hill, 2018.

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Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

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Program	Master of Business Administration				
MMBA222L	Innovation, Entrepreneurship and Start-ups	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To appreciate the principles and practices related to design thinking, lean startups and business model canvas as related to new managers

CO2: To understand the innovation process, including innovation value chain, role of champions, and commercialization. Identify ways of turning creativity into innovation.

CO3: To comprehend the role of innovation in business strategy/operations and in launching startups

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					1		
CO2		3	3	2			2	
CO3			3		1			

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1. INNOVATION for Managers

8 Lecture hours

What is Innovation: Typology of Innovation, creativity/ Innovation/commercialization Barriers to Innovation, Models & Frameworks

Design Thinking: Principles of Design Thinking, Process of Design Thinking-,Empathizing, Defining, Ideating, Prototyping, Testing

Module 2. ENTREPRENEURSHIP for Managers

10 Lecture hours

An Entrepreneurial Mindset : Entrepreneurial Creativity, Thinking styles of an Entrepreneurs ,Entrepreneurial Motivations

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Differentiating Entrepreneurs from Small Business Owners, Managers & Intrapreneurs, Forms of Intrapreneurship/Corporate Entrepreneurship- Strategic Renewal , Internal Corporate Venturing, External Corporate Venturing

Module 3.IDEA identification to OPPORTUNITY evaluation 10 Lecture hours

Identifying Ideas: Sources of Ideas, Generation of ideas, Environment Scanning, Defining Problems, Problem Statements, Improvisation, Effectuation and Bricolage, Evaluating Opportunities: Core process of opportunity recognition and entry strategy, Opportunity Evaluation Frameworks

Customer Centricity, Outside-in view of a new product/service/venture, understanding customers, before understanding their needs

Business Modelling, identifying elements of a Business Model, Designing a Business Model Canvas

Text Books :

1. Heller, David., de hadirac, Sylvain., Halaoui, Lana., Jovet, Camille. The Emergence of Start-ups. United Kingdom: Wiley, 2019..

Reference Books :

1. Entrepreneurial Innovation and Leadership: Preparing for a Digital Future. Germany: Springer International Publishing, 2018.
2. Trott, Paul., Hartmann, Dap., van der Duin, Patrick., Scholten, Victor., Ortt, J. Roland. Managing Technology Entrepreneurship and Innovation. United Kingdom: Taylor & Francis, 2015.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

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Name of Program	Master of Business Administration				
MMBA700J	Summer Internship Project (SIP)	L	T	P	C
Owning School/Department	School of Management	0	0	8	4
Pre-requisites/Exposure	Business Statistics				

Course Outcomes (Co)

On completion of this course, the students will be able to:

CO 1: Apply theoretical knowledge to the practical business setting

CO 2: Develop professional skills in teamwork and project management

CO 3: Develop communication skills to present findings in the format of a written and oral report

CO-PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO3
CO1	3	2		1		2	3	1
CO2	3	2	3	2	2	2	2	
CO3	3	2	2	1		3		1

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Orientation and Project Selection

05 lecture hours

- Introduction to the internship project and expectations
- Review of methodologies and project development
- Finalization of project plan in consultation with the faculty and industry supervisors

Module 2: Project Design execution

80 lecture hours

- Conduct a comprehensive review of relevant work and literature
- Develop internship project questions and hypotheses.
- Design project methodology and select appropriate techniques.

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Module 3: Data Collection and Analysis**10 lecture hours**

- Consolidating objective and relevant tasks to be performed
- Finalizing methods to be followed and tools to be used
- Review of internal or external reports, articles, accumulated data, academic literatures on the specific problem
- Perform survey-based research, if required

Module 4 : Report Writing**10 lecture hours**

- Analysis and interpretation of data/results
- Identify the concluding points of the project
- Develop a research report outline and begin writing the report

Module 5 : Report Presentation**5 lecture hours**

- Refine the research report and complete the final draft Develop a presentation for the project.
- Present the findings to the faculty and field supervisors.

Text Books :

1. Cooper, Donald R.. Business Research: A Guide to Planning, Conducting, and Reporting Your Study. United States: SAGE Publications, 2018.
2. Malhotra, Naresh K.. Marketing Research: An Applied Orientation. United Kingdom: Pearson/Prentice Hall, 2004

Reference Books

1. Bajpai, Naval. Business Research Methods:. India: Pearson Education India, 2011..

Assessment Scheme:

Components	Internal Assessment	Mid Term/Report	End Term/	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA134L	Know Yourself	L	T	P	C
Owning School/Department	School of Management	1	0	0	1
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Acquire knowledge of ones own self and understand why knowing self is so important to happiness, which can make significant impacts on the way managers act and behave at workplace

CO2: Learn about why knowing self and social identity is so important.

CO3: Learn about values, motivations and desires, their strengths, personality traits, where they fall on the introvert-extrovert spectrum, and what is their “dark side”

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1							1	
CO2		2			1			
CO3						1		

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1 : SELF AWARENESS

4 lecture hours

How to get to know yourself: Introduction, your story, your objectives, Timeline activities- Past, Present and future, Diving into resume to understand your own self, What is Happiness? Empathy?, What is self-confidence? The four styles, positive self-talk, Public speaking

MODULE 2: SELF-CONCEPT

4 lecture hours

Your values : Questions to know yourself deeply, Personal Identity, Social Identity, BIG 5 Personality Traits, Are you an introvert, ambivert or extrovert?

ACTIVITY: INDIVIDUAL AND GROUP DECISION MAKING

MODULE 3 : ACCEPTING OTHERS AT WORK (6 hours)

Know how to deal with your boss,, Accepting others: Creating psychological safety at work, Coping with stress, emotions, Mindfulness, report submission and presentation

Text Books :

NA

Readings

NA

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	35%	25%	40%	100%

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Program	Master of Business Administration				
MMBA235L	International Business	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand and internalize the key concepts and techniques that apply to international business.

CO2: Analyse business, commercial, industrial, political, social, economic and ecological issues from a global business perspective and be up to the expectation of a responsible global manager.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1					1		
CO2		2		2			2	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1 Introduction to International Business

05 Lecture hours

Creating Timeline for Internationalisation of a firm

Module 2 Global Business Plan for launching a product in international arena

20 Lecture hours

As this course is based on Project work, the entire course is split into segments of 16 parts of a Global Business Plan (GBP) to help students build on their project in a phased manner. There will be approximately two sessions devoted to each of the following with a worksheet to work on:

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- GBP 1: Identifying Global Business Opportunities
- GBP 2: Identifying Global Business Competitors
- GBP3: Accessing Economic and Geographic Environment
- GBP 4: Accessing the Social Cultural Environment
- GBP 5: Accessing the Political Legal Environment
- GBP 6: Selecting a Global Company Structure
- GBP7: Financing Sources for Global Business Operations
- GBP8: Creating a Global Management Information System
- GBP9: Identifying Human Resources for Global Business Activities
- GBP 10: Managing International Business and Financial Risks
- GBP 11: Product and Target Market Planning
- GBP 12: Designing a Global Distribution Strategy
- GBP 13: Planning a Global Promotion Strategy
- GBP 14: Selecting an International Pricing Strategy
- GBP 15: Determining Organisational Financial Results
- GBP 16: Measuring International Business Success

Module 3 Presentations

05 Lecture hours

Text Books :

1. Menipaz, EHUD., Menipaz, Amit. International Business: Theory and Practice. United Kingdom: SAGE Publications, 2011.

Readings

2. Ajami, Riad A., Goddard, G. Jason. International Business: A Course on the Essentials. N.p.: M. E. Sharpe Incorporated, 2013.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	35%	25%	40%	100%

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Program	Master of Business Administration				
MMBA733L	Project Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Operations Management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand project management as an essential element of organizational strategy and the linkages between the projects and their contexts.

CO2: Gain proficiency with the methodologies and practices required for project planning, execution, monitoring, and control.

CO3: Able to analyze project situations and engage in problem-solving & decision-making.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					3		
CO2		3	2				3	
CO3		3			2			2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Project Management

6 lecture hours

Modern project management, Types and characteristics of projects, Role of project manager, Phases of project and project life cycle, Socio-economic trends affecting the field of project management.

Module II : Project Planning and Resource Allocation

8 lecture hours

Project definition, Charter, Scope, and Communication plan, Project selection method- Net Present Value (NPV), Project selection- Internal Rate of Return (IRR), Work Breakdown Structures, Cost of capital

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Module III: Project Network Scheduling**8 lecture hours**

Project network construction, Project scheduling technique -Critical Path Method (CPM), Project scheduling techniques - Program Evaluation and Review Technique (PERT), Crashing of project network, Resource levelling

Module IV: Project Controlling and Risk Management**6 lecture hours**

Project cost management, Earned Value Analysis, Risk Management, Risk register

Text Books :

1. Gray, C., Larson, E., Desai, G. (2014), Project Management: The managerial process, 6th Edition, McGraw-Hill, New Delhi.

Reference Books :

1. Project Management Institute's P Guide to the Project Management Body of Knowledge, 2018

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

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Program	Master of Business Administration				
MMBA237L	E-Business	L	T	P	C
Owning School/Department	Management	2	0	0	2
Pre-requisites/Exposure	Foundational knowledge of Marketing, Consumer Behavior, Digital Marketing				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Develop and present higher level of comprehension on strategic matters regarding the utilization of technology for facilitating business operations and making informed decisions.

CO2: Create a cohesive strategy and plan for conducting e-business by utilizing the advantages of current technological advancements.

CO3: Critically analyze the managerial and organizational concerns associated with e-business, considering strategic, operational, and technical facets.

CO4: Create and communicate a company's digital strategy and e-commerce models in a professional way."

CO5: Demonstrate the ability to work well in a team and collaborate effectively with others.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3		1	2	3	1	2	3
CO2	2	3		3	2	2	3	3
CO3	2	2	3	3	2	2	3	2
CO4	1	3	3	2	3	1	1	3
CO5	1		2		3	2	2	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

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Unit/Module I: Introduction**4 lecture hours**

e-Business : Definition, Opportunities, Drivers of Adoption, e-Business Vs e-Commerce : Differences, e-Business Risks, Case Discussion

Unit/Module II : e-Business Infrastructure**4 lecture hours**

Components, Internet Technology, Web Technology, Applications and Standards, Web Services and Mobile Commerce, EDI

Unit/Module III: e-Environment**4 lecture hours**

Introduction, Social and Legal factors, Economic and Competitive Factors, Political Factors
Case Discussion / Exercise

Unit/Module IV: e-Business Strategy**4 lecture hours**

e-Business Strategy – Definition and approach, Strategic Analysis, Strategic Objectives, Strategy Definition, Strategy Implementation, Case Discussion / Exercise

Unit/Module V: e-Procurement**4 lecture hours**

Defining the concept, Understanding Drivers, Risks and Impacts, On the implementation
Case Discussion / Exercise

Unit/Module VI: e-Marketing**4 lecture hours**

Defining the concept, Understanding Drivers, Risks and Impacts, On the implementation
Case Discussion / Exercise, Situation Analysis, Deciding on the objective and strategy, Tactics and Branding, Case Discussion / Exercise

Unit/Module VII: Implementation**4 lecture hours**

Managing Change, Analysis and Design, Implementation and Maintenance, Group Presentations

Course Closure and Doubt session

Case Discussion / Exercise

Text Books :

1. Chaffey, Dave, David Edmundson-Bird, and Tanya Hemphill. Digital Business and E-Commerce Management. Pearson UK, 2019.

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Reference Books :

1. Combe, Colin. Introduction to E-Business. Netherlands: Taylor & Francis, 2012.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	45%	20%	35%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA223L	Psychology in Business	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To demonstrate how psychology influences individual and group behaviour in the business world.

CO2: To foster ethical considerations and social responsibility in business practices

CO3: To engage in self-development and apply psychological principles for better well-being in life

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					3		
CO2			3					1
CO3					3			

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1, Introduction to Psychology and Business

4 lecture hours

Overview of psychology and its relevance in the business context, Understanding basic psychological principles and theories, Psychological research methods,

Module 2, Individual Behaviour and Decision Making,

9 lecture hours

Perception and its impact on decision making, Applying principles of Gestalt Psychology to advertising , Role of motivation and personality in business decisions, Emotions and decision-

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making in the business world, Case Study- Strategic Execution and Collective Emotions: National Air,

Module 3, Social Psychology in Business,

8 lecture hours

Self-identity and identity threats in business, Interpersonal communication, Case Study- Pep Talks: Tapping into Collective Emotions, Person perception and politics,

Module 4, The Psychology of Social Media,

4 lecture hours

Applications of social media for business, The principle of FoMO and mindless consumption, Prevention of psychological disorders originating from social media,

Module 5, Ethics, Mindfulness, and Indian Philosophy in Business, 5 lecture hours

Promoting ethics and social responsibility in business decisions, The Triguna test for personality assessment, Indian philosophy in leadership excellence, Well-being and stress management,

Text Books :

1. Baron, Robert A., Kalsher, Michael J., Perdue, Charles W.. Introduction to Psychology. United States: Pearson Education, 2001.

Reference Books :

1. Business Psychology in Practice. Germany: Wiley, 2008.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

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Program	Master of Business Administration				
MMBA239L	Bibliophiles	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	NIL				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Students will identify and apply leadership qualities and best management practices in workplaces

CO2: Develop critical thinking and make informed decisions in both professional and personal lives

CO3: Demonstrate effective spoken and written communication skills

CO4: Develop creative thinking and life skills for healthy and meaningful relationships both at the workplace and at home

CO5: Become self-aware and practice social intelligence and hybrid skills for global citizenship

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	2	3	3		3	3	3
CO2		3	3	3	2			2
CO3			3		3			3
CO4		2		3	3	3		3
CO5		3		3	3			

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Bibliophiles

5 lecture hours

Leadership and Literature, Character traits of leaders, Managers and leaders

Three Idiots by Chetan Bhagat - Dreams, Visions and Imagination: Leadership starts with a dream, Reality: Is that the death of dreams?, Commitment: Playing one's role with one's heart

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Know who you are: Self-awareness in Leadership, Decision-making: Navigating morally complex situations, Courage: Realising your dreams against all odds

Module II : Siddhartha by Hermann Hesse **05 lecture hours**

Purpose and Clarity, No fear of failure

Module III: Guardians of the Galaxy (Marvel Comics) **05 lecture hours**

Working in teams, Overcoming self-doubt

Unit/Module IV: Steve Jobs by Walter Isaacson **05 lecture hours**

Innovation and Creative thinking, Power of Communication

Module V: Things Fall Apart by Chinua Achebe **05 lecture hours**

Crisis management: The role of listening, Leadership and its contradictions: Ideals versus the public opinion

Module VI: Gandhi: The Years That Changed the World by Ramachandra Guha
05 lecture hours

Leadership and Resilience, Leadership and Spirituality

Text Books :

1. Three Idiots by Chetan Bhagat
2. Siddhartha by Hermann Hesse
3. Guardians of the Galaxy (Marvel Comics)
4. Things Fall Apart by Chinua Achebe
5. Gandhi: The Years That Changed the World by Ramachandra Guha

Reference Books :

1. HBR's 10 Must Reads on Leadership

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2. The 21 Irrefutable Laws of Leadership by John C. Maxwell
3. Man's Search for Meaning by Viktor Frankl
4. The Great Gatsby, by F. Scott Fitzgerald
5. The Pursuit of Happiness by Chris Gardner
6. A.P.J. Abdul Kalam: A Life by Arun Tiwari
7. Dare to Lead by Brené Brown

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA224L	Consumer Behaviour	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Marketing Management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Appreciate the interrelatedness of consumer behaviour in all marketing decisions by the end of this course.

CO2: Identify and analyse the consumer behaviour related issues and develop themselves as reflective practitioner and learning can be applied to various marketing decision-making scenarios.

CO3: Apply consumer behaviour knowledge in real-life consumption scenarios and marketing decisions/strategies based on the understanding of consumers.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	3	1	1	1	3	3	3
CO2	3	3	2	2	1	3	1	1
CO3	3	3	2	3	2	2	3	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: Introduction to Consumer Behaviour and Consumer Research

7 lecture hours

Consumer Behaviour as a process and as a field of study, Relevance of market research with consumer behaviour, Approaches to consumer behaviour research, Research paradigms in consumer research, Consumer research process and Importance of rooting marketing decisions, Strategies in the understanding of consumer behaviour, Consumer-focussed targeting, and segmentation

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Unit/Module II : Consumer Decision Process**7 lecture hours**

Determinants and stages of buyer behaviour, Need recognition, search, and information gathering, Comparing brands and Evaluation rules, Choice, Post-purchase process Consumer's expectations and satisfaction, Measuring satisfaction and value

Unit/Module III: Individual Determinants of Consumer Behaviour 9 lecture hours

Consumer: The Individual and Self-Concept, Gaps in self-image and ideal image Self-image, brand image and choice, Consumer needs, goals, and motivations, Theories of personality, Personality and STP decisions, Consumer personality and brand personality Creation and management of consumer perception, Learning: Different ways of learning Cognitive development; Memory: Creation of schemas, storing and retrieving information, memory systems, Change or repositioning of information, what makes us forget? Attitude formation and modification: Power of attitudes, Theories of attitude: Formation of attitudes, Attitude change methods, Marketing activities to change consumer attitudes

Unit/Module IV: External Influences on Consumer Behaviour 5 lecture hours

Project cost management, Earned Value Analysis, Risk Management, Risk register

Text Books :

1. Solomon, Michael R. 2020. Consumer Behavior: Buying, Having and Being. 13th ed. Pearson Prentice Hall.
2. Schiffman, Leon G. 2018. Consumer Behavior. 12th ed. Pearson Prentice Hall, New Delhi.

Reference Books :

1. Tetteh, Vanessa A. 2016. "Consumer Behavior Overview." Research Starters, 1-5.
2. Lhuer, Xavier, Tunde Olanrewaju, and Hyo Yeon. 2015. "What it takes to deliver breakthrough customer experiences." McKinsey Quarterly, November, 1-6.
3. Magids, S., A. Zorfas, and D. Leemon. 2015. "The New Science of Customer Emotions." Harvard Business Review, November.

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4. The thinker and The Shopper: Four Ways Cognitive Technologies Can Add Value To Consumer Products. Deloitte University Press, 2015.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

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Program	Master of Business Administration				
MMBA225L	Sales and Distribution Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the roles and responsibilities of the sales managers.

CO2: Manage and enhance the sales force productivity and performance.

CO3: Plan and implement an effective sales strategy for their organizations.

CO4: Understanding the importance of integration of the roles performed by advertising, salesforce, and channel members.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1					1		
CO2		2					2	
CO3		2		2				
CO4	1							2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Sales Management, Personal Selling and Marketing Strategy: 5 lecture hours

Defining Sales For 21st Century, Evolution of the Sales Department and the objectives of Sales Management, Sales Management and Control, Theories of Selling, SPIN Selling, Buyer-Seller Dyads, Diversity of Personal Selling situations, Sales Potential and Sales Forecasting, Personal Selling Objectives and Strategy, Determining the kind of sales personnel and the size of the sales force, Determining sales related marketing policies.

Module 2: Personal Selling Process and Organizing Sales Effort

5 lecture hours

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Selling Skills and Selling Strategies, The Selling Process, Managing Sales Information, Functions of the sales executive, Qualities of effective sales executives and the relations with top management, Types of sales organization structures, Centralization and Decentralization in Sales Force Management, Setting Up a Sales organization, Sales department relations, Sales supervisor and sales force design, Setting objectives, quotas and targets for the salesforce, Deciding and managing sales territories, Sales training, motivation and compensation, Evaluating and controlling sales performance, Conflict management and people management skills.

Module 3: Sales force automation and sales organization **5 lecture hours**

Sales process automation, customer relationship management, types of sales force automation tools, understanding electronic data interchange, sales organization, factors influencing structure, organizational principles, centralization and decentralization, organizational design, Sales personnel management, Recruitment and Selection Process, Sales training programme, Motivating sales personnel, Types of compensation plans for sales personnel, Sales meetings and sales contests, Evaluating and supervising sales personnel.

Module 4: Management of Sales Territory and Sales Quota **5 lecture hours**

Sales Territory, Size of sales territory, Allocation of sales territory, designing a sales territory, Use of IT for mapping sales territory, Introduction to sales quota, Importance of Sales Quota, Principles of Quota Setting, Organization of the Sales Job, Defining Annual Objectives, Procedure for Setting Quota, Conferencing with Each Salesperson, Types of Sales Quota, Methods of Setting Sales Quota,

Module 5: Recruitment, Selection and Training the Sales Force **5 lecture hours**

Challenges in Sales Force Selection, Planning for Recruitment, Strategic Position Analysis, Sales Force Recruitment, Selection of a Salesperson, objectives of sales training, challenges in sales training, the training process, training methods, designing a sales training programme, sales force automation, factors influencing the motivation of the salesperson, designing a motivational programme, sales force compensation and evaluation, sales force control, controlling sales force performance, criteria for sales personnel performance, sales audit,

Module 6: Distribution and Channel Management **5 lecture hours**

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Important of channel management, Inter-relationship of advertising, channel and salesforce, Channel structures and channel intermediaries, Internet as a channel alternative, Distribution Channels—Why are They Required? Activities that a Typical Distribution Channel Performs, Intermediation—Is it Really Needed? Value Enhancement Through the Distribution Function, Distribution Channel Strategy, Distribution Channel Management, Rural Distribution Channels, Omnichannel Distribution.

Module 7: Designing Channel Structure and Multi-channel Marketing 5 lecture hours

Channel Roles, understanding customer's decision process and selection of appropriate channel, Defining the objectives of the channel, Designing channel structure, Wholesaling and Retailing, Physical distribution.

Module 8: Designing Customer-oriented Marketing Channels and E-Commerce and Distribution Channel Management 5 lecture hours

Designing a Customer-oriented Channel, Capturing the Customer Requirements, Conceiving the Channel flows, Linking the Service Output Objectives to the Flows, Conducting Cost Analysis, Designing the Ideal Channel, Comparing the Ideal with the Reality, Comparing the Channel Designs, Customer Journey Mapping for Better Channel Design, Customer Journey Mapping and Distribution Channel Design, Definitions of E-commerce, Different Types of E-commerce, Advantages of E-commerce, E-commerce and Distribution Channel Management, E-commerce Business Models, Managing channel relationships, channel power and conflict, Measurement and evaluation of channel performance, Designing incentives, managing channel

Text Books :

1. Still, R. R., E. W. Cundiff, N. A. Govoni, and S. Puri. Sales and Distribution Management, 6th ed. Pearson, New Delhi, 2017.
2. Havaldar, K. K., and V. M. Cavale. Sales and Distribution Management: Text and Cases. Tata-McGraw-Hill, New Delhi, 2007.
3. Rosenbloom, Bert. Marketing Channels: A Management View, 8th ed. Cengage Learning Private Limited, New Delhi, 2013.

Reference Books :

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1. Venugopal, P. Marketing Channel Management: A Customer-Centric Approach. Response Books, New Delhi, 2005.
2. Panda, T. K., and S. S. Sahadev. Sales and Distribution Management. Oxford University Press, New Delhi, 2005.
3. Venugopal, P. Sales and Distribution Management: An Indian Perspective. Sage Response, New Delhi, 2008.
4. Venugopal, Pingali. Marketing Channel Management: A Customer-Centric Approach. SAGE Response Business Books, New Delhi, 2012.
5. Spekman, R., and P. W. Farris. Designing Channels of Distribution. Harvard Business Publishing, 2009.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	30%	30%	40%	100%

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Name of Program	Master of Business Administration				
MMBA226L	Integrated Marketing Communications	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO 1. Analyze a situation in communication terms

CO 2. Design and execute objective driven advertisements

CO3. Plan, manage and measure a promotional program

CO-PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO3
CO1	3			1				
CO2				3		3		
CO3				3				1

1=weakly related

2= moderately related

3=strongly related

Course Contents

Module 1: Integrated Marketing Communication - The concept 05 Lecture hours

Introduction to Course outline and Pedagogical Approach; Fundamentals of Integrated Marketing Communication (IMC); The target marketing process; Developing the marketing planning program, Role of IMC

Module 2: The IMC Process, Consumer Decisions and Learning 12 Lecture hours

Role of IMC in the marketing process; Participants in IMC Process: Advertising agencies & their roles, Evaluating agencies; Perspectives on Consumer Behavior Consumer decision making process Consumer learning process; Environmental influences on consumer behaviour The Communication and Response Process: Models of the response process Source, Message, and Channel factors; Objectives and budgeting of Promotional Program

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Module 5: Managing Digital Communications: Online, Social Media, and Mobile

13 Lecture hours

Creative Message Strategy: Planning and Development; Creative Strategy: Implementation and Evaluation; Media Planning and Strategy

Online Marketing; Advantages and Disadvantages of Online Marketing Communications; Online Marketing Communication Options; Social Media; Social Media Platforms-Using Social Media;

Word of Mouth-Forms of Word of Mouth, Creating Word-of-Mouth Buzz, Measuring the Effects of Word of Mouth; Mobile Marketing, The Scope of Mobile Marketing, Developing Effective Mobile Marketing Programs, Mobile Marketing across Markets

Text Books:

1. Duncan T., Principles of Advertising and IMC, Second Edition, McGraw Hill, New York
2. Clow K. and Baack D., Integrated Advertising, Promotion and Marketing Communication, Prentice Hall, New Delhi

Reference Books:

1. Belch, George, Belch, Michael & Purani, Keyoor. Advertising and Promotion: An Integrated Marketing Communications (9th ed.), McGraw Hill Education India, 2017, 0.
2. Keller, Kavin Lane, Parameswaran Ambi M. G. & Jacob Isaac. Strategic Brand Management (4th ed.), Pearson,

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA228L	Marketing Analytics	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Marketing Management-I & II				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To understand the importance and use of various analytical techniques in marketing context and decision-making.

CO2: To familiarize students with software and tools that enable the application of the techniques.

CO3: Solve a marketing analytics project end to end

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	2	3	2	3	3	3	2	2
CO2	3	3	1	2	2	2	3	2
CO3	3	3	3	3	2	2	3	2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: Introduction to R software for Marketing Analytics. 5 lecture hours

Importance of marketing analytics in marketing decision-making and strategy formulation, Introduction to R and R studio, Conjoint Analysis - Products, Attributes and Levels; Full Profile Conjoint Analysis

Unit/Module II: Customer Segmentation

10 lecture hours

Analytics for customer segmentation and targeting: Market Segmentation: Positioning products and services using perceptual maps, Application of perceptual map through Microsoft

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Excel, Basic Customer Value Template, Varying Margins, Sensitivity Analysis, Customer Lifetime Value Model, A Primer on Valuation,

Unit/Module III: Demand Forecasting and Pricing

12 lecture hours

Sales Forecasting of existing product / innovation: Learn about descriptive analytics. Implement forecasting models such as simple linear, multiple regression, Ratio to Moving Average, Winter's method for exponential smoothing with trend and seasonality. , Forecasting of sales for new products: Application of 'S' curves, the bass diffusion model, including bass diffusion model for new products, Estimating Linear and Power Demand Curves, Using Solver to Optimize Price for Single and Multiple Products, Price Bundling.

Unit/Module IV: Marketing Mix Models and Advertising Models

10 lecture hours

The Adstock Model, Optimizing Advertising, Linear Media Allocation Model, Market Basket Analysis and RFM Analysis, Customer Churn & Customer Lifetime Value

Unit/Module V: Text Mining and Sentiment Analytics

4 lecture hours

Text Mining in R studio, Sentiment analysis

Text Books :

1. Winston, Wayne L. Marketing Analytics: Data-Driven Techniques with Microsoft Excel. John Wiley & Sons, 2014.

Reference Books :

1. Hair, J. F., Anderson, R. E., Tatham, R. L., & Black, W. C. (2010). Multivariate Data Analysis (7th Edition). Pearson Education.
2. Abbott, Dean. (2017). Applied Predictive Analytics: Principles and Techniques for the Professional Data Analyst. Wiley.
3. Dawar, N. (2018). "Marketing in the age of Alexa." Harvard Business Review, May-June, 2018.

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Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	35%	25%	40%	100%

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Program	Master of Business Administration				
MMBA229L	Strategic Brand Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Marketing Management- I & II				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO 1: Understand the role of brands, the concept of brand equity, and the advantages of creating strong brands; Know the main ways to build brand equity by properly choosing brand elements, designing marketing programs and leveraging secondary associations; Measure, manage and leverage customer-based brand equity

CO 2: Create strong brands, measure brand value, and leverage brand equity; Evaluate pros & cons of brand valuation; Analyze key branding decisions

CO 3: Articulate the importance of brands, the concept of brand equity and the advantages of creating strong brands; Develop a comprehensive and topical understanding of strategic brand management for organizational growth

CO 4: Appreciate the importance of innovation in creating, measuring and sustaining brand equity to expand business opportunities; Expose to ethical and global practices of branding

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	3	3	3	2	3	2	1
CO2	3	3	2	2	1	3	2	1
CO3	3	3	2	2	1	3	2	1
CO4	3	3	3	2	L	3	2	1

1=weakly related

2= moderately related

3=strongly related

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Course Contents:

Module I:

8 lecture hours

Introduction to course content and evaluation components, brands and strategic brand management process, Developing a brand strategy – CBBE and brand positioning Developing a brand strategy – Brand resonance and the value chain, Designing and implementing brand marketing programs – Choosing brand elements to build brand equity

Module II :

6 lecture hours

Determinants and stages of buyer behaviour, Need recognition, search, and information gathering, Comparing brands and Evaluation rules, Choice, Post-purchase process Consumer's expectations and satisfaction, Measuring satisfaction and value

Module III:

6 lecture hours

Measuring and interpreting brand performance, Measuring and interpreting brand performance – Capturing customer mind-set, Measuring and interpreting brand performance – Capturing market performance

Module IV:

8 lecture hours

Growing and sustaining brand equity – Designing and implementing brand architecture strategies Growing and sustaining brand equity – Introducing and naming new products and brand extensions Growing and sustaining brand equity – Managing brands over time, Growing and sustaining brand equity – Managing brands over geographic boundaries and market segments

Text Books :

1. Keller, Kevin Lane, M.G. Parameswaran, and Isaac Jacob. Strategic Brand Management: Building, Measuring, and Managing Brand Equity. 4th ed. Pearson.

Reference Books :

1. Kornberger. Brand Society: How Brands Transform Management and Lifestyle. Cambridge.
2. Panda, Tapan. Product and Brand Management. 1st ed. Oxford University Press.

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3. Dutta, Kirti. Brand Management: Principles and Practices. Oxford University Press.
4. Aaker, David A. Brand Asset Management: Driving Profitable Growth Through Your Brand. Jossey-Bass.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

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Program	Master of Business Administration				
MMBA230L	Financial Statement Analysis	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Accounting for Managers				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Demonstrate a comprehensive understanding of financial statements and their components, including the balance sheet, income statement, and statement of cash flows.

CO2: Apply analytical tools and financial ratios to interpret and assess a company's financial performance, liquidity, solvency, and efficiency.

CO3: To enable students to comprehend the significance of financial reporting in business, understand the essential role of financial reporting standards.

CO4: Utilize financial statement analysis to make informed and sound business decisions, considering the company's financial health and prospects

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					3		
CO2	3	1				3		
CO3	2					3		1
CO4	3	1				3		1

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Financial Statement Analysis

8 lecture hours

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Nature & objectives of Financial Statements, Uses & Limitations of Financial Statements, understanding financial statements (Balance Sheet, Income Statement, Statement of Cash Flows) and their role in evaluating a company's performance and financial position, Role and importance of financial statement analysis

Module II : Financial Statement Analysis Techniques **12 lecture hours**

Tools and techniques used in financial Statement analysis, including their uses and limitations- Common size analysis, Comparative analysis, Trend Analysis.

Ratio Analysis Dupont Analysis

Module III: Financial Reporting Standards and Quality **4 lecture hours**

Objective of financial reporting and the importance of financial reporting standards. Roles of financial reporting standard-setting bodies and regulatory authorities in establishing and enforcing reporting standards. International Accounting Standards Board's conceptual framework, including qualitative characteristics of financial reports, constraints on financial reports, and required reporting elements,

Financial reporting quality and quality of reported results (including quality of earnings, cash flow, and balance sheet items).

Module IV: Application of Financial Statement Analysis **4 lecture hours**

Company's strategy based on past financial performance. Financial statement analysis in assessing the credit quality of a potential debt investment

Financial statement analysis in screening for potential equity investments.

Text Books :

1. Subramanyam, K. R., Wild, John. Financial Statement Analysis. United States: McGraw-Hill Education, 2008.
2. Sanjay, Dhamija. Financial Accounting for Managers, 2/e. India: Pearson Education India, 2015.

Reference Books :

1. Penman, Stephen H.. Financial Statement Analysis and Security Valuation. United Kingdom: McGraw-Hill Companies, Incorporated, 2006.

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2. Corporate Financial Reporting And Analysis, Second Edition. N.p.: PHI Learning Pvt. Ltd., 2019..

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA231L	Business Valuation	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Financial Management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understanding of the quantitative methods of valuing companies

CO2: Insights into how companies create, maintain or destroy value

CO3: Ability to evaluate financially the business performance and prospect of any firm

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	3	2	2	2	3	2	2
CO2	3	3	2	3	3	3	2	3
CO3	2	2	3	3	3	3	3	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Fundamentals of Business Valuations

10 lecture hours

Module II : Discounted Cash Flow Valuation and Relative Valuation Technique

10 lecture hours

Module III: Practical Applications of Business Valuation Techniques

10 lecture hours

Text Books :

1. Damodaran, Aswath. 2006. Damodaran on Valuation. New Delhi: Wiley India Pvt. Ltd.

Reference Books :

1. Titman, K., and J.D. Martin. 2015. Valuation. New Delhi: Pearson.
2. Koller, T., M. Goedhart, and D. Wessels. 2005. Valuation (McKinsey & Company). New Jersey, USA: Wiley.

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Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA232L	International Finance	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Financial Management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

- CO1:** Establish an understanding of foreign exchange market and exchange rates
- CO2.** Know how to use foreign exchange derivatives and other techniques to manage foreign exchange exposures of firms
- CO3.** Understand the issues pertaining to multinational financing and investment decisions
- CO4.** Demonstrate critical and analytical skills wherein they should be able to make sense out of a mass of information to address relevant issues pertaining to international finance theory.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	2	3	3	3	3	3	1
CO2	3	3	3	2	2	1	2	3
CO3	2	3	3	3	3	2	2	3
CO4	3	3	2	3	2	2	3	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: International Financial Environment

6 lecture hours

Multinational Financial Management: An Overview, International Flow of Funds, International Financial Markets, Exchange Rate Determination, Currency Derivatives

Module II : Exchange Rate Behaviour

6 lecture hours

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Government Influence on Exchange Rates, International Arbitrage, and Interest Rate Parity, Relationships Among Inflation, Interest Rates, and Exchange Rates

Module III: Exchange Rate Risk Management **6 lecture hours**

Forecasting Exchange Rates, Measuring Exposure to Exchange Rates Fluctuations, Managing Transaction Exposure, Managing Economic Exposure and Translation Exposure

Module IV: Long - Term Asset and Liability Management **6 lecture hours**

Direct Foreign Investment, Multinational Capital Budgeting, International Corporate Governance and Control, Country Risk Analysis, Multinational COC and Capital Structure, Long Term Financing

Module V: Short - Term Asset and Liability Management **6 lecture hours**

Financing International Trade, Short-Term Financing, International Cash Management

Text Books:

1. Shapiro, Alan C.. MULTINATIONAL FINANCIAL MANAGEMENT, 8TH ED. India: Wiley India Pvt. Limited, 2008.

Reference Books:

1. Eiteman, David K., Stonehill, Arthur I., Moffett, Michael H.. Multinational Business Finance. India: Addison-Wesley, 2003.
2. Moffett, Michael H., Stonehill, Arthur I., Eiteman, David K.. Fundamentals of Multinational Finance. United Kingdom: Pearson, 2013.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	30%	30%	40%	100%

Rajesh Chakrabarti

Programme	Master of Business Administration				
MMBA233L	Security Analysis and Portfolio Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Financial Management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the characteristics of different financial assets such as money market instruments, bonds, and stocks, and how to buy and sell these assets in financial markets.

CO2: Designing and managing the bond as well as equity portfolios in the real world, valuing equity & debt instruments, managing mutual funds, measuring portfolio performances.

CO3: Learn how to apply different valuation models to evaluate fixed income securities, stocks, and how to use different derivative securities to manage their investment risks.

CO4: Understand the benefit of diversification of holding a portfolio of assets, and the importance played by the market portfolio.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	2	1	3	3	3	3	1
CO2	2	3	3	2	3	1	2	3
CO3	1	2	3	3	3	2	3	3
CO4	3	3	2	3	3	1	2	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Nature and Scope of Investment Management and Portfolio Analysis:

Overview

6 lecture hours

Basics of stock markets. Investment versus Speculation, Investment Alternatives and Their Evaluation, Financial Markets, Portfolio Management Process, Approaches to Investment Decision Making, Common Errors in Investment Management, and Qualities of Successful

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Investing. Role of Portfolio Management, Portfolio Management Practices in International markets.

Module II: Basic Concepts and Methods

6 lecture hours

Risk and Return – Measuring Historical Return, Measuring Historical Risk, Measuring Expected (Ex Ante) Return and Risk. Fundamental Analysis: Economic Analysis, Industry Analysis, Company Analysis Framework Technical Analysis: Basic Tenets of Technical Analysis - Dow Theory - behaviour of Stock Prices - Major Trends - Charts and Trend Lines - Resistance and support Lines - Different Patterns, Elliot Wave Theory, Efficient market theory.

Module III: Modern Portfolio Theory

6 lecture hours

Portfolio Theory: The Benefits of Diversification, Diversification and Portfolio Risk, Portfolio Return and Risk, Measurement of Co movements in Security Returns, Calculation of Portfolio Risk, Efficient Frontier, Optimal Portfolio. Capital Asset Pricing Model - Assumptions – Inputs Required for Applying CAPM, The Capital Market Line - Security Market Line, Pricing of Securities with CAPM. FAMA French Model, Limitations for all models.

Module IV: Equity and Bond Valuation

6 lecture hours

Balance Sheet Techniques- Book value, Liquidation value, Replacement cost. Discounted Cash Flow Techniques: Dividend discount model, Free cash flow model. Relative Valuation Techniques: Price-earnings ratio, Price-book value ratio, Price-sales ratio. Bond Valuation: Bond Returns, Coupon Rate, Current Yield, Yield to Maturity, Yield to Call, Bond duration.

Module V: Portfolio Management

6 lecture hours

Specification of Investment Objectives and Constraints, Selection of Asset Mix, Formulation of Portfolio Strategy, Selection of Securities, Portfolio Execution, Portfolio Revision, Performance Evaluation. Performance Measures Treynor Measure, Sharpe Measure, Jensen Measure. Asset Allocation

Text Books :

1. Thomas, S. Security Analysis and Portfolio Management. Prentice-Hall of India, 2014.

Rajesh Chakrabarti

2. Chandra, P. Investment Analysis and Portfolio Management. Tata McGraw Hill, 2012.

Reference Books :

1. R. C., S. E., & E. K. "Designing and Implementing the Portfolio Management Process: Some Thoughts and Tips Before You Charge In." January 2002.
2. Lo, A. W. "Survival of the Richest." Harvard Business Review, August 1, 2014. <https://hbr.org/2006/03/survival-of-the-richest>.
3. Nichols, N. A. "Efficient? Chaotic? What's the New Finance?" Harvard Business Review, August 1, 2014. <https://hbr.org/1993/03/efficient-chaotic-whats-the-new-finance>.
4. Placing Strategic Bets: The Portfolio Approach--Measuring and Managing Innovation Risk. Harvard Business Press.
5. Luehrman, T. A. "Finance Reading: Risk and Return 2: Portfolio Theory." Harvard Business Review, 2017. <https://hbr.org/product/finance-reading-risk-and-return-2-portfolio-theory/8603-PDF-ENG>.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	30%	30%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA285L	Management of Banks	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Basic Statistics				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the legal framework that regulates banks in India.

CO2: Be able to identify and assess the risks associated with banking operations.

CO3: Describe the different types of banking services and products that are available.

CO4: Be able to evaluate the performance of banks using key metrics.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	2			3	2	2		2
CO2	3	3						3
CO3	2	2						2
CO4				3			2	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1 Legal Framework of Regulation of Banks

6 Lecture hours

Business of Banking, Constitution of Banks, Reserve Bank of India Act, 1934, Banking Regulation Act, 1949, Reserve Bank as a Central Bank and Regulator of Non-Banking Financial Institutions/Banks, Government as a Regulator of Banks, Control over Co-operative Banks, Regulation by Other Authorities,

Licensing of Banking Companies including RBI Licensing Policy for Universal Banks and Small Finance Banks. Commercial Banks, NBFCs, FIs, Cooperative Banks, CRR, SLR; Equity & Debt Market.

Module 2 Banking Products and Services

6 Lecture hours

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Wholesale and International Banking - Retail Banking- Products, Opportunities; Wholesale Banking, Products; International Banking, Requirements of Importers & Exporters, Remittance Services; Universal Banking; ADRs; GDRs; Participatory Notes

Role of Money Markets, Debt Markets & Forex Market - Types of Money & Debt Market Instruments Incl. G-Secs; LIBOR, MIBOR, etc. Other Financial Products / Instruments including ASBA, QIP; - Insurance and Banks: Bancassurance.

Module 3 Risk Management and Credit Risks 6 Lecture hours

Introduction to Risk Management; CAR, Need for CAR Basel I, II & III Accords -Credit Ratings -CIBIL and other agencies, Factors Affecting Credit Risk; Steps taken to Mitigate Credit Risks; Credit Ratings; Internal and External Ratings; Use of Credit Derivatives for Risk Management; RBI guidelines on Credit Risk Management;

Credit Information System, Restructuring/Rehabilitation and Recovery: Credit Default/Stressed Assets/NPAs; Wilful Defaulters; Non-cooperative borrowers; Options Available to Banks for Stressed Assets; RBI Guidelines on Restructuring of Advances by Banks; Available Frameworks for Restructuring of Assets; Sale of Financial Assets, Resolution of Stressed Assets under Insolvency and Bankruptcy Code 2016:

Module 4 Treasury Management 3 Lecture hours

Introduction to Treasury Management: The Concept; Functions of Integrated Treasury; Evolving Role of Treasury as Profit Centre; International Equity and Debt Products: Regulatory Environment; Global Depository Receipts; Indian Depository Receipts; External Commercial Borrowings.

Module 5 Measuring Performance and Asset Liability Management

5 Lecture hours

Evaluating Performance of Banks: Key Metrics; NII,NIM,CAR , Asset Quality, CAMELS Approach

Asset-Liability Management: Meaning of Asset-Liability Management (ALM), Liquidity Risk and Interest Rate Risk, Credit risks and Credit Derivatives.

Module 6 Legal Aspects of Banking Operations: 2 Lecture hours

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The Prevention of Money Laundering Act, 2002: Offence of Money Laundering, Punishment for Money Laundering, Obligations of Banking Companies, KYC Compliance for Banks: Modes of Charge – I: Mortgage, Assignment, Pledge, Hypothecation, Banker's lien etc.

Text Books:

1. Management of banking and financial services, 4th edition, 2017 by Suresh Padmalatha, Paul Justin, Pearson Education

Reference Books:

1. Bank Financial Management, Book by Indian Institute of Banking and Finance. 2019
2. Advanced Bank Management, Book by Indian Institute of Banking and Finance.2019

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA286L	Programming for Analytics	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Basic Statistics				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Apply various data mining and related concepts of data science using R and Python programming languages.

CO2: Apply data science algorithms for finding efficient solutions for business and management problems using historical and real-time data.

CO3: Implement various concepts of data science.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	2	2	1	3	2	2	2	2
CO2	3	3	1	2	2	2	3	3
CO3	2	2	1	3	2	2	2	2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: Fundamentals of R programming

7 lecture hours

Introduction to R software, R data structures, vectors, matrix, arrays, data frame, list, Export-Import of data, Data management: variable creation and recoding, renaming variables, missing values, type conversions, sorting data, merging datasets, sub setting datasets, numerical and character functions, control flow statements, user-written functions, aggregation and restructuring, the reshape package.

Unit/Module II: Data Analytic using R

10 lecture hours

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Graphs: graphical parameters- symbols and lines, colors, text, characteristics, adding text, customized axes and legends, bar plots, pie charts, histograms, kernel density plots, box plots

Basic Statistics: Descriptive statistics, correlations, t-tests, nonparametric tests, Regression Analysis, Analysis of variance.

Unit/Module III: Fundamentals of Python programming **5 lecture hours**

Built in Data Structure, functions and files, Introduction to NumPy, Data Loading, Storage and file format, Data Cleaning and Preparation, data manipulation with Pandas.

Unit/Module III: Data Analytic using Python **8 lecture hours**

Plotting and Visualization, Summary Statistics, Predictive Analysis: Regression Analysis and Time series analysis

Text Books:

1. Robert I Kabacoff, R in Action- Data Analysis and Graphics with R, Manning Publications Co., Shelter Island, New York.

Reference Books:

1. Jake VanderPlas, Python Data Science Handbook, O'Reilly Media, Inc., Sebastopol, CA.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA287L	Text Mining and Sentiment Analysis	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Develop an understanding of the role of analysis of text data for business decision making.

CO2: Gain expertise of text data pre-processing for analysis.

CO3: Apply text analysis to gain user insights and better business decision making.

CO4: Apply different tools for collecting, analyzing, and exploring social media data for research and development purposes.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1							
CO2						2		
CO3		2	2				1	1
CO4								

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Pre-processing of textual data

5 lecture hours

Natural Language basics, Text tokenization, Text Normalization, Understanding Text syntax and structure, Creating Custom Corpora, Part-of-speech Tagging, Transforming Chunks and Trees

Module II: Text Classification

5 lecture hours

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Bag of word model, TF-IDF Model, Advance Vectorization Model, multinomial Naïve Bayes, Support Vector machine, Feature Matrix, Key phrase extraction, Topic Modelling.

Module III: Text similarity and Clustering

10 lecture hours

Information retrieval, feature engineering, similarity measures, analyzing text similarity, document clustering: K-mean, affinity propagation, hierarchical. Semantic and sentiment Analysis.

Module IV: Social Media Data Analysis

10 lecture hours

Types of Social Media Analysis, tools of Social Media Analysis, Social Media Text Analytics, intention mining, trend mining. Social media data, twitter/Facebook APIs for data access

Textbooks:

1. Perkins, Jacob. Python 3 Text Processing with NLTK 3 Cookbook. PACKT Publishing, Birmingham, UK.

Reference Books :

1. Zhao, Yanchang. RDM- R and Data Mining: Examples and Case Studies. Elsevier Publishing, New York.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA288L	Data Mining and Visualization	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Identify the use of data mining in different business applications.

CO2: Determine the various data mining techniques for real world applications

CO3: Describe statistical and qualitative information through easy-to-understand visuals.

CO4: Practice on various computer software packages and apply Visualization Science to Influence Business Decisions

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	2	1	2	3	3	3	2
CO2	2	3	1	2	2	2	2	3
CO3	3	3	1	2	2	2	2	2
CO4	2	2	1	2	3	3	2	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: Data Mining Introduction

5 lecture hours

Data Mining Concept, Data Mining Techniques, Data Mining and BI, Supervised learning Vs Unsupervised learning, Basic Data Mining Tasks, Data Mining Issues and Challenges

Unit/Module II : Data Mining Techniques

10 lecture hours

Mining Frequent Patterns, Associations, and Correlations: Apriori Algorithm, Market Basket Analysis, Classification and Prediction: Decision Tree, Pruning, Cluster Analysis: Classical

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Partitioning Methods.

Unit/Module III: Visualization with Tableau

15 lecture hours

Install Tableau Public and R software and explore the interface, Importing Data into Tableau
Charts : Bar Chart, Line Chart, Tree Map, Advanced Formatting, Create Dashboards and add interactions

Text Books :

1. Berry, M.J.A., and Gordon Linoff. Data Mining Techniques: For Marketing, Sales, and Customer Relationship Management. Wiley. 2018
2. Vercellis, Carlo. 2013. Business Intelligence: Data Mining and Optimization for Decision Making. Wiley.

Reference Books :

1. Shmueli, Galit, Nitin R. Patel, and Peter C. Bruce. 2011. Data Mining for Business Intelligence. Wiley.
- 1.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

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Programme	Master of Business Administration				
MMBA289L	Analytics for Service Operations	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	NIL				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the specific attributes of different kind of services in the competitive scenario.

CO2: Analyze unique challenges in managing excellent service operations.

CO3: Apply the appropriate analytical tools and techniques to design and deliver service operations to achieve a competitive advantage

CO4: Evaluate analytical tools specific to service industries in managing operations.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					3		
CO2	3						2	
CO3		3		2				3
CO4		3			2			3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Unit/Module I: Understanding Services

6 lecture hours

Importance of Services in Globalized Economy, Nature of Services, Introduction to Service Strategies, Technology in Services, Service supply relationship, Benefits and Risks of Outsourcing Services

Unit/Module II : Designing the Service Enterprise

6 lecture hours

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Service Process Analysis, Little's Law, Taxonomy and Approaches for Service Process Design
Measuring Service Quality, Service Facility Location Analysis

Unit/Module III: Managing Demand and Capacity for Services **8 lecture hours**

Subjective Models –Delphi Method, Cross-Impact Analysis, Causal Models-Regression Models, Time Series Models, Strategies for Managing Demand, Strategies for Managing Capacity, Yield Management Essential Features of Queuing Systems, Computer Simulations-Monte Carlo and Discrete Event Simulations.

Unit/Module IV: Managing Waiting Lines **8 lecture hours**

General Relationship between Queuing System Characteristics, Analytical Queuing Model-Standard M/M/1 Model, Finite-Queue M/M/1 Model, M/M/c Model, General Self-Service Model, Capacity Planning Criteria –Average Customer Waiting Time, Minimizing the Sum of Customer Waiting Costs and Service Costs.

Text Books :

1. Fitzsimmons, James A., Mona Fitzsimmons, and Sanjeev K. Bordoloi. Service Management: 2018
2. Operations, Strategy, Information Technology. 8th ed. McGraw Hill Education, New Delhi, ISBN:

Reference Books :

1. Johnston, Robert, Graham Clark, and Michael Shulver. 2012. Service Operations Management: Improving Service Delivery. 5th ed. Pearson.
2. Parker, David W. 2012. Service Operations Management: The Total Experience. Eastern Economy Publication.
3. Slack, Nigel, Stuart Chambers, and Robert Johnston. 2007. Operations Management. 5th ed. Prentice Hall, FT.

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4. Krajewski, Lee J., Larry P. Ritzman, Manoj K. Malhotra, and S. K. Srivastava. 2015. Operations Management: Processes and Supply Chains. 9th ed. Pearson Education, New Delhi.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

Rajesh Chakrabarti

Programme	Master of Business Administration				
MMBA290L	AI and Machine Learning	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Develop an understanding of techniques of Artificial Intelligence and Machine .

CO2: Explore the various applications of AI and ML in business contexts.

CO3: Understand how to analyse ubiquitous data for making data-driven business decisions

CO4: Explore ethical considerations and challenges in AI implementation.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					3		
CO2	2	3		3			3	
CO3	2	3		3		2	3	
CO4			3	2				3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Artificial Intelligence

5 lecture hours

Understand the fundamental concepts of AI and ML, Explore the various applications of AI and ML in business contexts, Recognize the potential impact of AI and ML on the business landscape.

Module II : Data Collection and Pre-processing

10 lecture hours

Data sources and acquisition, Data pre-processing techniques: cleaning, transformation, feature engineering, Handling missing and categorical data

/Module III: Machine Learning Algorithms and Models

10 lecture hours

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Supervised Learning: Regression and Classification, Tree-based Models, Unsupervised Learning: Clustering algorithms: k-means, hierarchical clustering, Dimensionality reduction: PCA, t-SNE

Module IV: Model Deployment and Interpretability

5 lecture hours

General Relationship between Queuing System Characteristics, Analytical Queuing Model- Standard M/M/1 Model, Finite-Queue M/M/1 Model, M/M/c Model, General Self-Service Model, Capacity Planning Criteria –Average Customer Waiting Time, Minimizing the Sum of Customer Waiting Costs and Service Costs.

Text Books:

1. Analytics Data Science & Artificial Intelligence – System for Decision Support, Ramesh Sharda, Dursun Delen, Efraim Turban, Pearson , 2021.

Reference Books:

1. Kulkarni, Parag., Joshi, Prachi. Artificial, Intelligence: Building Intelligent Systems. India: PHI Learning, 2015.
2. Jackson, Philip C.. Introduction to Artificial Intelligence: Third Edition. United States: Dover Publications, 2019

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA291L	Digital Media	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Digital and marketing management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the components of digital media, its uses, and differences from traditional ones.

CO2: Understanding digital media ecosystem and related strategies.

CO3: To understand how to manage the content and use creative digital content.

CO4: To understand the functioning of the web and mobile app for better utilization of social media.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	2	1	2	3	3	3	2
CO2	2	3	1	2	2	2	2	3
CO3	3	3	1	2	2	2	2	2
CO4	2	2	1	2	3	3	2	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1:

5 lecturer hours

Fundamentals of Digital Media; Introduction to Digital Media; Digital Media vs Traditional Media

Role and Growth of Digital Media in India; Challenges associated with Digital Media;

Evolution of Digital Media and Types of Digital Media; Digital Media Platforms (DMP);

Digital Media Ecosystem; Characteristics of Digital Users; Characteristics of the Modern Work Environment

Module 2:

10 lecturer hours

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Content creation; Types of Content; Creating Blog-Vlog, Podcasting, RSS, Product Opinion Sites and Forums. Role of web analytics in digital decision making, Overview of SEO and its important in content writing, Concept of A/B testing & its use

Web and Digital Publishing – Digital Publishing and Internet Terms; Authoring Digital Content

Module 3:

8 lecturer hours

Content Development; Tools and Techniques; Website Building; Digital Publishing Platforms, Online Publishing Tools; Web Content Management (WCM), Microblogging: Blog Posting or Live Blogging: What is live blogging and how do blogs live? Requirements of a live blog;

Module 4:

7 lecturer hours

Mobile App Development; Mobile Ecosystem; Mobile Operating Systems, Platforms and Devices Characteristics of the Mobile User Experience; Marketing and Distributing Mobile Applications, Revenue Models

Text Books:

1. Puneet Singh Bhatia, , Social Media & Mobile Marketing: Willey, 2019,
2. Chayko, Mary. Superconnected: The Internet, Digital Media, and Techno-Social Life. United States: SAGE Publications, 2017.

Reference Books:

1. Kline, David., Burstein, Daniel., De Keijzer, Arne J., Berger, Paul. Blog!: How the Newest Media Revolution is Changing Politics, Business, and Culture. New York: CDS Books, 2005.
2. Hill, Steve., Bradshaw, Paul. Mobile First Journalism: Producing News for Social and Interactive Media. United Kingdom: Routledge, 2019.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	50%	0%	50%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA292L	Media Cost Management & Control	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Acquire an understanding of the key concepts and ideas within the field of Media Cost Management and Control.

CO2: Develop an understanding of how to effectively manage and control the cost of media planning and buying.

CO3: Acquire skills and knowledge necessary to effectively plan, execute, and evaluate media campaigns that deliver maximum impact at a reasonable cost.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3		2			2		
CO2		2		3	1		2	
CO3		2		1	3			3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Media Cost Management & Control 6 lecture hours

Overview of the media industry; Understanding cost analysis in media cost control and management; Analyzing media costs and identifying areas for improvement; Importance of media cost management and control; Basic concepts and principles of media cost management; Comparison of media channels in terms of reach, frequency, and cost.

Module II : Budgeting and Forecasting

6 lecture hours

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Understanding the media budget; Developing a media budget and forecast; Monitoring and adjusting the media budget, as necessary

Module III: Media Invoicing and Payment

4 lecture hours

Understanding media invoicing and payment processes; How to analyze the results of media campaigns to determine the return on investment; Make informed decisions about future media spending; Managing media payments and reconciling invoices; Implementing processes for prompt payment and dispute resolution.

Module IV Financial Reporting

10 lecture hours

Overview of financial reporting in media cost control and management; Understanding the components of a financial report; Developing financial reports for media campaigns.

Module V Emerging Trends in Media Cost Management

4 lecture hours

Financing International Trade, Short-Term Financing, International Cash Management

Text Books:

1. Stenzel, Catherine., Stenzel, Joe. Essentials of Cost Management. Germany: Wiley, 2003.

Reference Books:

1. Gupta, K. P.. Cost Management: Measuring, Monitoring & Motivating Performance. India: New Delhi :Global India Pub., 2009.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA293L	Media Production and Consumption	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the different types of media production.

CO2: Learn about the various stages of the production process.

CO3: Understand the factors that influence media consumption.

CO4: Develop critical thinking and analytical skills to create and distribute media content in the media industry.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					2		
CO2		2						3
CO3			1				3	
CO4				2			1	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Media Production and Consumption 12 lecture hours

Overview of media production and consumption, Importance of media production and consumption in the media industry, Terminologies and concepts in media production and consumption

Module II : Types & Stages of Media Production

9 lecture hours

Television production, Film production, Digital media production, Concept development, Pre-production, Production, Post-production

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Module III: Distribution of Media Content & Factors Influencing Media Consumption

9 lecture hours

Traditional distribution channels, Digital distribution channels, Emerging distribution platforms, Audience demographics, Media consumption habits, Media platform preferences

Unit/Module IV Financial Reporting

Text Books:

1. Turow, J. (2020). Media today: Mass communication in a converging world. Routledge

Reference Books:

1. Kindem, Gorham., Musburger, PhD, Robert B.. Introduction to Media Production: The Path to Digital Media Production. Netherlands: Taylor & Francis, 2012.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA294L	Media and Sports Industry	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

CO1: Acquire an understanding of the key concepts and ideas within the field of Media and Sports Industry.

CO2: Develop an understanding of how to critically appreciate the relation between media and sport industry.

CO3: Acquire skills and knowledge necessary to understand the political economy of sports media

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3		2					
CO2		3		2	3			
CO3		3		2	3			

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Media and Sports Industry

6 lecture hours

Overview of the media industry – The rise of Mass Media, Evolution of sports; From playful self-development to Globalized, Mediatized sport, Overview of Sport media industry - Political Economy of Sports media; Understanding relationships between media and sports industry; sports and advertising, Overview of Sports Journalism; sports commentary, sports event management

Case Study – Indian Premier League

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Module II: Platforms for Sports Media**6 lecture hours**

Understanding how sports media operates and has evolved in the various media platforms

Sports and press, sports and radio, sports and TV, sports and Digital, Evolution of Apps,

Case Study – Cricinfo, Dream 11

Module III: Sports and Culture**3 lecture hours**

Understanding sports and culture, soft power of sports; analyzing the role of sports in Gender, Race, Religion, Identity, Nationalism, Diplomacy, Drugs and Violence etc.; Mega sport events – Olympics, FIFA World Cup

Case Study : Politicizing Football – Sports and Politics

Module IV: Sports Industry and Media in India**6 lecture hours**

Overview of sports industry in India – Industry reports; Sports Media Industry; Size of sports media India ; E Sports and Gaming; Fandom;

Sports Celebrities, Sportsperson as a Brand – Case Study – Michael Jordan, Virat Kohli

Text Books :

1. Nicholson, Michael, Andrew Kerr, and Mike Sherwood. Sport and the Media: Managing The Nexus. Amazon. 2019

Reference Books :

1. Raney, Arthur A., and James Bryant. Handbook of Sports and Media. Routledge.2019

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	65%	0%	35%	100%

Rajesh Chakrabarti

Name of Program	Master of Business Administration				
MMBA245L	Media Research Analytics and Tool	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Develop an understanding of media industries and familiarity with research into media audiences and users.

CO2: Apply different types of media research methods and analyse the findings.

CO3: Demonstrate an understanding of the significant risk and ethical issues raised by the conduct of media research

CO-PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO3
CO1	3						3	3
CO2		3				3	2	3
CO3			3				1	1

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1

6 lecturer hours

Introduction and History of Media Research: Evolving theoretical background of media research, Evolving research paradigms in media research, Media effects and media uses. Measuring media usage and exposure, key audience measures, data capture techniques, Print and electronic media research

Module 2

10 lecturer hours

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Primary research and Analysis: Baseline Survey, Behavioural Change Research, B2B and Industrial Studies, Brand Perception Study, Corporate Reputation Studies, Customer Satisfaction and Loyalty Study, Communication Effectiveness Study (End Line Survey), Policy Research, Retail Audit, Segmentation and Profiling Studies, Social Research

Module 3

10 lecturer hours

Secondary research and Analysis: Client, Competition & Industry Landscape, Policy & Regulatory Landscape, Stakeholder and Conversation Mapping, Consumer Insights, Media Coverage and Messaging Matrix, Social Media Research and Campaign Analysis, Reports Analysis

Module 4

10 lecturer hours

Media Analysis: Quantitative Methods and Qualitative Methods. Quantitative Methods: Share of Voice, Reporting Genres, Visibility by Publication, Coverage Spread and Placement, Impressions garnered, Audience reach. Qualitative Methods: Coverage Tonality, Spokespersons in focus, Key Coverage Highlights, Key Journalist, Coverage Trend.

Module 5

6 lecturer hours

Ethical issues in research: Ethics Vs Morality, privacy; anonymity and confidentiality; authenticity; informed consent; recruitment, voluntary participation, data security and management, Principles of resolving ethical dilemma

Text Books:

1. Gunter, Barrie. Media Research Methods: Measuring Audiences, Reactions and Impact. India: SAGE Publications, 2000.

Reference Books:

1. Berger, Arthur Asa. Media Analysis Techniques. United States: SAGE Publications, 2017.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Name of Program	Master of Business Administration				
MMBA533	Supply Chain Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To appreciate the evolution of Supply Chain Management as a discipline, and to enable the student to look at a firm's operations in an integrated and unified manner.

CO2: To understand the links between Operations Strategies, Competitive Priorities and Supply Chain choices.

CO3: To appreciate the role of Inventory Management, Logistics, Information Technology and Infrastructure in the effective design and management of supply chains.

CO4: To develop skills to design and configure supply chains to address variety of business situations.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3						2	
CO2	3	3				2		
CO3		2		3				2
CO4			3	3			2	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Modern supply chain and logistics trends

5 lecture hours

Supply chain overview , Role of logistics , Sustainability in supply chains and logistics , Supply chain configuration , 3PL concepts , 4PL concepts,

Module 2: Materials forecasting and inventory planning,

5 lecture hours

Qualitative forecasting theories, Forecasting panels , Thought leaders , Delphi technique
Qualitative forecasting theories , Seasonal demand forecasting , Moving average , Weighted moving average , Exponential smoothing , Forecasting error , Identifying bias , Determining economic order quantities , Determining to reorder points

Replenishment strategies , Make-to-stock , Make-to-order , Assemble-to-order

Module 3: Procurement and go-to-market strategies

5 lecture hours

Role of procurement , Procurement process flows , Sourcing strategies , Vendor management
Partnerships and alliances

Module 4: Role of transportation and shipping in logistics

5 lecture hours

Definition of fleet management , Objectives and costs of fleet management , Transportation modes , Optimized routing and cubing , Incoterms for international commerce

Module 5: Role of warehousing in logistics

5 lecture hours

Warehousing network design , Configuration of warehousing space , Value-adding activities : Stockpiling, spot stocking and assortments , Cross-docking, break bulking and consolidation , Mixing, postponement and assemble-to-order , Warehousing equipment and tools , Reverse logistics

Module 6: Supply Chain Operations Reference (SCOR) framework for performance management

5 lecture hours

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SCOR framework overview , Identifying level 1, 2 and 3 SCOR metrics , Customizing level 4 SCOR metrics , Setting performance targets, Continuous performance improvement

Text Books :

1. Shah, Janat. Supply Chain Management: Text and Cases. India: Pearson Education, 2009.

Reference Books :

1. Supply Chain Management. India: Pearson Education, 2008.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	25%	35%	100%

Rajesh Chakrabarti

Name of Program	Master of Business Administration				
MMBA2040	Transportation & Distribution Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	NA				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the role of transportation and distribution in the supply chain and its impact on organizational efficiency and customer satisfaction.

CO2: Analyze different modes of transportation and make data-driven decisions on route selection and transshipment for cost and efficiency optimization.

CO3: Apply quantitative methods, including transportation problems and linear programming, to optimize transportation costs and improve distribution networks.

CO4: Evaluate the factors involved in facility location decisions, risk pooling, and distribution strategies to achieve sustainable supply chain management.

CO-PO/PSO Mapping

COs à POs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO 2	POS 3	PSO 4
CO1	3					3			
CO2		3					1		
CO3		3		3					3
CO4		3			2		2	2	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Introduction to Transportation System

06 lecture hours

Overview of the Transportations System

Key Component of Distribution Systems

Types of Distribution Channels

Introduction to Transportation Management

Module 2: Transportation Modes and Route Selection

8 lecture hours

Types of Transportation Modes

Factors Affecting Modes Selection

Route Selection and Network Design

Transshipment and Network Flow

Module 3: Quantitative Techniques in Transportation and Distribution **8 lecture hours**

Transportation Problem and Optimization

Linear Programming Application in Transportation

Network Models and Shortest Route Problem

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Module 4: Risk Management and Sustainable Distribution Strategies 4 lecture hours

Risk Management in Transportation and Distribution
Risk Pooling in Distribution
Sustainable Transportation and Distribution Practices

Module 5: Facility Location, Warehousing, and Distribution Network Design 4 lecture hours

Facility Location Analysis
Warehouse Management and Inventory Control
Distribution Network Design and Optimization

Text Books :

1. David Simchi-Levi, Ravi Shankar, Phillip Kaminsky, Designing and Managing the Supply Chain 4 th edition. McGraw-Hill Publishing Company Ltd, New Delhi.
2. Richard B. Chase, Ravi Shankar, and F. Robert Jacobs, Operations & Supply Chain Management (15 th Edition: SIE), McGraw-Hill Publishing Company Ltd, New Delhi.

Reference Books :

1. Sunil Chopra and Peter Meindel. Supply Chain Management: Strategy, Planning, and Operation, 3 rd Edition, Prentice Hall (2007).
2. Novack, R. A., Gibson, B., & Coyle, J. J. (2018). *Transportation: A global supply chain perspective* (9th ed.). Cengage Learning.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Name of Program	Master of Business Administration				
MMBA2041	Warehousing & Distribution Facilities Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	NA				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To assess the concepts of warehouse managements

CO2: To design and formulate strategic warehouse plans encompassing location selection

CO3: To evaluate and appraise the operational intricacies of warehouse management and learn to apply key performance indicators (KPIs) to optimize all aspects of warehouse management.

CO4: To appraise and examine the potential risks associated with warehouse operations, packaging and Picking strategies.

CO5: To synthesize and integrate advanced technological tools and software applications relevant to warehouse management systems

CO6: To analyze best global perspectives in warehousing, distribution management and cold chain management

CO-PO/PSO Mapping

COs à POs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO 2	POS 3
CO1	3					3	1	
CO2		2					3	
CO3	3		1		2	2		
CO4		3		3			2	2
CO5		3		3				3
CO6		3		3				3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Introduction to Warehouse Distribution Management

4 lecture hours

Introduction to Warehousing, Importance, Benefits

Warehouse Versus Godwons

Warehouse Processes, WMS

Distribution Centers

Centralized vs De-centralized warehouse

Types of Warehouses: Characteristics

Types of Warehouse Operations

Module 2: Warehouse Layouts and Space Utilization

8 lecture hours

Warehouse Layouts, Warehouse Layout designs

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Warehouse Layout design tips
Warehouse: Storage Plan, Slotting
Types of Pallets
Warehouse Effectiveness, Utilization & Accessibility
Stacking vs Racking; Honeycombing
Location of Receiving and Shipping
Warehouse location numbering, Warehouse space calculations

Module 3: Warehouse Metrics

6 lecture hours

Inventory KPIs
Picking KPIs
Distribution KPIs
Receiving KPIs
Putaway KPIs
Safety KPIs
Culture KPIs
E-Commerce KPIs

Module 4: Shipping and Packaging

4 lecture hours

Warehouse Picking strategies & its types.
Shipping
Packaging
Benefits of Shipping & Packaging

Module 5: Warehouse Location Strategies

8 lecture hours

Warehouse location selection criteria, Techniques for selecting the best location
Procedure for selecting a Site
Factor rating method
Factor weight rating system
Center of Gravity method (COG)
Warehouse Location Median Model

Text Books :

1. David Simchi-Levi, Ravi Shankar, Phillip Kaminsky, Designing and Managing the Supply Chain 4 th edition. McGraw-Hill Publishing Company Ltd, New Delhi.
2. Rangarajan, V. R. (2022). *Basics of Warehouse and Inventory Management: The Pillars of Business Logistics*. India Specific Edition. Notion Press.
- 3 Richards, G. (2021). *Warehouse Management: A Complete Guide to Improving Efficiency and Minimizing Costs* (3rd ed.). Kogan Page.
4. Ross, D. F. (2015). *Distribution Planning and Control: Managing in the Era of Supply Chain Management* (5th ed.). Springer.
5. Stuart Emmett, (2005) , *Excellence in Warehouse Management*, John Wiley & Sons. Ltd

Reference Books :

- Narayan, P., & Subramanian, J. (2009). *Inventory Management-principles and Practices*. Excel Books India.
- Tompkins, J. A., & Smith, J. D. (1998). *The Warehouse Management Handbook* (2nd ed.). Tompkins Press.
- Myerson, P. A. (2015). *Lean Warehousing: Enhancing Storage Capabilities and Processes*. McGraw-Hill Education.
- Christopher, M. (2016). *Logistics and Supply Chain Management* (5th ed.). Pearson.
- Kapoor, S. K., & Kansal, P. (2003). *Basics of distribution management: A logistics approach*. PHI Learning Pvt. Ltd.

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Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Name of Program	Master of Business Administration				
MMBA2043	Purchasing & Inventory Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	NA				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To understand the role of Procurement & Purchasing in facilitating supply chain operations.

CO2: To make the students understand the key issues in procurement & Lay hands in the new methods of procurement in the organization.

CO3: To equip the students with type of purchasing principles, procedures and systems widely used in Organizations.

CO4: Understand inventory costs and importance of safety stock in the Organization

CO5: To enrich the students with the knowledge of basic models in Inventory management and its applications in real time environment

CO6: Remembering concepts of Procurement and Inventory management.

CO-PO/PSO Mapping

COs à POs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO 2	POS 3
CO1	3					3		
CO2	3						1	
CO3		3		3		2		
CO4		3			2		2	2
CO5		2		2			3	
CO6		3						2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Introduction to Procurement hours

5 lecture

Introduction to Procurement

Principles, Objectives and Strategies of Procurement

Types of Procurement

Strategic Procurement, Sustainable & ethical Procurement

Procurement & Sourcing Management

Procurement Technology and E-Procurement

Module 2: Purchasing and Sourcing hours

10 lecture

Purchasing Organization, Purchasing Structure Importance of Purchasing

Purchasing Principles, Procedures and Systems

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Importance of Seller-Buyer Relations, Negotiation and factors of negotiations, Price Analysis, Market Structure, Supplier Relationship Management (SRM)
 Sourcing: Make or buy decisions, Strategic Sourcing, Advantages of Sourcing
 Supplier selection- Auction & negotiation, Supplier rating
 Risk Sharing & Supply Chain Performance
 Significance of Warehouse in SCM, Elements 7 Principle of warehouse design, Safety & security

Module 3: Inventory Management

8 lecture hours

Introduction to Inventory Management
 Types of Inventories, Purpose of Inventory, Inventory cost
 Independent demand verses Dependent demand
 Inventory control Methods
 Economic Order Quantity Models
 Pareto Principle

Module 4: Material Management

07 lecture hours

Material Requirement Planning
 Lean Material Management
 Material handling, logistics & transportation
 Information technology in Material Management : Enterprise Resource Planning (ERP) systems, Warehouse Management Systems (WMS), inventory tracking, and data analytics
 Quality Control and Assurance of material

Text Books :

- Collier, D. A., and Evans, J. R. (2022), *Operations and Supply Chain Management* (2nd Edition), Cengage publication.
- Chase, R.B, Aquilano, N.J, Jacobs, F.R and Shankar, R. (2013), *Operations Management for Competitive Advantage* (14th Edition), Tata McGraw-Hill

Reference Books :

- Stevenson, W. J., *Operations Management* (9th Edition), Tata McGraw-Hill
- James. A. Fitzsimmons, Mona Fitzsimmons, & Sanjeev K. Bordoloi, *Service Management-Operations, Strategy, Information Technology* (8th Edition), McGraw Hill Education, New Delhi. ISBN: 978-0-07-802407-8
- Mahadevan, B. (2018). *Operations Management: Theory and Practices*(2nd Edition), Pearson Education, New Delhi.
- Gaither, N. (2016), *Production and Operation Management* (10th Ed.), Dryden Press, Thomson Learning, Bombay.
- Slack, N., Chambers, S., Johnston, R. (2007), *Operations Management*, Prentice Hall, 5th Ed., FT

Krajewski, L. J., Ritzman, L. P., Malhotra, M. K., Srivastava, S. K. (2015). *Operations Management: Processes and Supply Chains* (9th Edition), Pearson Education, New Delhi.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Name of Program	Master of Business Administration				
MMBA2042L	Performance Management System	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Human Resource Management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Interpret performance management framework in the context of the business environment.

CO2: Determine performance goals of employees in alignment with the organizational goals.

CO3: Outline approaches for performance enhancement and facilitation.

CO-PO/PSO Mapping

COs à POs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO 2	POS 3
CO1	3					3		
CO2		2				2		2
CO3	2							

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Performance Planning

12 lecture hours

Defining Performance and Factors Affecting Performance, characteristics of a Performance Management System, Line Managers ownership of PMS, Strategic alignment of performance system & Business Strategy.

SMART Framework & OKR

Preparing Goal Sheet

Excel-based goal sheet In-class exercise

Competency-based performance management System,

Competency Identification and Assessment Process

Competency Assessment

Case Study

Module 2: Performance Assessment

7 lecture hours

Performance assessment & errors in Performance Appraisal

Methods of Performance Appraisal

Result Based Methods

Behaviour-Based Methods

Case Study

Review of Module: Comparative analysis of methods of assessment in Seminar mode

Module 3: Performance Enhancement

7 lecture hours

Performance Review, Feedback

Mentoring & coaching

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Case Study on Mentoring

Performance linked Pay

Metrics to measure the effectiveness of performance pay

Seminar on reflection on the performance-reward mechanism

Module 4: Contemporary Themes in Performance Management

4 lecture hours

Green Performance

Managing Performance in Remote Work

Project Presentation

Seminar on Performance & Reward at the Core of Talent Management

Text Books :

1. Bhattacharyya D.K. (2017). Performance Management Systems & Strategies, Pearson, New Delhi.

Reference Books :

1. Aguinis Herman (2018). Performance Management, Pearson Education, 3rd Edition New Delhi.
2. Sahu, R.K. (2009). Competency Mapping, Excel Books, New Delhi.
3. Armstrong Michael (2010). Armstrong's Handbook of Performance Management, Kogan Page India, New Delhi.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Name of Program	Master of Business Administration				
MMBA297L	Talent Acquisition	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	NA				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO 1: Explain the different concepts and key success factors for effective Talent acquisition and management

CO 2: Identify critical issues and frame strategies and scenarios required to develop Talent acquisition skills

CO 3: Apply the principles and best practices of Talent management in organizational settings

CO-PO/PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO 2	POS 3
CO1	1			2	2			2
CO2		2		1		2		
CO3	2		3		1	2		1

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Introduction to Talent Acquisition

10 lecture hours

A: Introduction to Talent Acquisition (TA): Definition, significance, and evolving role in organizations. Benjamin Schneider's: pillars of Talent Acquisition, Difference between Talent acquisition, recruitment and talent Management.

High potential vs High performers : 9 box Grid model

Workforce planning for Talent Acquisition : Internal hiring vs external hiring

Talent acquisition analytics- Recruitment funnel-data and metrics to measure talent acquisition effectiveness.

Types of employees, KASH model, Talent Acquisition trends.

B: Manager's Role in Talent Management and building Talent acquisition strategy:

Poaching, raiding, employee engagement

Talent pool and talent pipeline

Module 2: Talent Acquisition strategy and assessment techniques

10 lecture hours

A: Competency mapping as an acquisition strategy

B: Onboarding: Understanding and conducting competency-based assessments, Strategies for successful onboarding of newly acquired talent.

C: Interview Techniques and Fit Analysis: Designing effective interview questions (behavior-based and situation-based), Person-Job Fit and Person Organization Fit analysis

Removing unconscious biasness

Module 3: Talent acquisition and management best practices: Emerging trends

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10 lecture hours

A: Employer Branding and EVPs: Establishing and enhancing employer brand alignment, Crafting and communicating Employee Value Propositions (EVPs), Addressing employer brand misalignment challenges.

B: Remote and Virtual Recruitment: Strategies for remote talent acquisition

C: Diversity and Inclusion: Strategies for Creating a Diverse and Inclusive Workforce

D: Modern Mentoring and talent retention: Contemporary mentoring techniques

Text Books :

1. Ed by Lance A. Berger and Dorothy R Berger. “The Talent Management Handbook”, Tata McGraw Hill, 1st Edition, 2004.
2. Ed by Larry Israelite, “Talent Management”, ASTD Press, 1st Edition, 2004.
3. Sajjad M Jasmuddin, “Knowledge Management”, Cambridge, 1st Edition, 2009.

Reference Books :

The Employee Experience Advantage: How to Win the War for Talent by Giving Employees the Workspaces they Want, the Tools they Need, and a Culture They Can Celebrate by Jacob Morgan.

2. "Employee Engagement 2.0: How to Motivate Your Team for High Performance" by Kevin Eikenberry.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	30%	30%	40%	100%

Rajesh Chakrabarti

Name of Program	Master of Business Administration				
MMBA298L	Learning & Development	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	NA				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Explain and propose different methods to access the processes and outcomes of learning.

CO2: Explain different ways to deliver learning.

CO3: Evaluate key metrics that will demonstrate learning outcomes and results.

CO-PO/PSO Mapping

COs POs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO 2	POS 3
CO1	1	1	2	1	1	1	1	2
CO2	1	2	2	2	1	1	2	2
CO3	3	3	3	3	3	2	2	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Learning and Development

10 lecture hours

Introduction to L&D, Elements of L&D, Approaches to L&D, E-learning, Blended learning, Self-directed learning, Training and development, Personal development planning

Module 2: Training hours

10 lecture

Training needs analysis, training design, training delivery, methods of training, Training evaluation

Module 3: Contemporary L&D Topics

10 lecture hours

Transfer of learning, Integrating learning transfer into program planning, employee training and technology, future of learning, performance management.

Text Books :

[Michelle Parry-Slater](#) (2021). The Learning and Development Handbook: A Learning Practitioner's Toolkit. Kogan Page Publisher.

Reference Books :

[Tricia Emerson](#) and [Mary Stewart](#) (2011). The Learning & Development Book, ATD Press Publisher.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	30%	30%	40%	100%

Rajesh Chakrabarti

Name of Program	Master of Business Administration				
MMBA299L	Compensation & Reward Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	NA				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Describe the principles, theories, and practices of compensation and reward management, including job evaluation, pay structures, and benefits.

CO2: Apply compensation theories to analyze organizational strategies and develop appropriate pay structures and incentive plans.

CO3: Evaluate and create effective compensation plans that align with organizational goals and promote employee motivation and retention.

CO-PO/PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO 2	POS 3
CO1	1		1			1	1	1
CO2	1	1	2	1	1	2	2	2
CO3	2	1	2	3	2	2	2	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Introduction to Compensation Management:

12 lecture hours

Concept of Compensation: Definition, scope, and key components., Distinctions: Differences between compensation, wages, and salary, Compensation Context: Overview of the organizational and market context for setting compensation, System of Compensating: Overview of different compensation systems and structures, Dimensions of Compensation: Analysis of compensation elements and factors, Concept of Reward: Definition and types (financial vs. non-financial), Role of Compensation in Organizations: Impact on performance, motivation, and retention, Non-Financial Compensation Systems: Types and role in job satisfaction and engagement, Total Reward System: Concept, components, and advantages, Trends in Compensation Management: New and emerging trends, including flexible benefits, work-life balance options, etc, Job Analysis and Evaluation: Methods for determining job roles, requirements, and value within an organization.

Module 2: Theories and Legislation Related to Compensation

10 lecture hours

Equity Theory: Application of equity theory in compensation management to ensure fairness and reduce turnover, Expectancy Theory: Link between motivation, effort, and reward, Minimum Wages Act, 1948: Overview of the act, its purpose, and key components.

Legislative Compliance: Importance of aligning compensation practices with legal requirements and ethical considerations, Implications for Organizations: How theories and laws influence organizational policies and employee relations.

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Module 3: Salary Structure and Gratuity

8 lecture hours

Salary Structure: Breakdown of salary components, including: (Basic Pay, House Rent Allowance (HRA)

Provident Fund (PF), Employee State Insurance (ESI)

Gross Salary vs. Net Salary: Definitions and differences)

Gratuity: Purpose, eligibility, and benefits, (Gratuity Rules: Key rules under Indian labour laws, Gratuity Formula: Calculations based on years of service and last drawn salary, Importance of Salary Structuring: Strategic and financial implications for employees and organizations.)

Text Books :

1. Ed by Lance A. Berger and Dorothy R Berger. "The Talent Management Handbook", Tata McGraw Hill, 1st Edition, 2004.
2. Ed by Larry Israelite, "Talent Management", ASTD Press, 1st Edition, 2004.
3. Sajjad M Jasmuddin, "Knowledge Management", Cambridge, 1st Edition, 2009.

Reference Books :

The Employee Experience Advantage: How to Win the War for Talent by Giving Employees the Workspaces they Want, the Tools they Need, and a Culture They Can Celebrate by Jacob Morgan.

2. "Employee Engagement 2.0: How to Motivate Your Team for High Performance" by Kevin Eikenberry.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	30%	30%	40%	100%

Rajesh Chakrabarti

Semester IV

Rajesh Chakrabarti

Program	Master of Business Administration					
MMBA204L	Sustainability & Social Responsiveness	L	T	P	C	
Owning School/Department	School of Management	2	0	0	2	
Pre-requisites/Exposure	None					

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Outline principles of sustainability and provide an in-depth understanding of what the Sustainable Development Goals (SDGs) are and interpret their importance in the light of the challenges faced by today's world.

CO2: Examine the impact of businesses on the environment and society and to develop strategies for integrating sustainable practices into business operations.

CO3: Identify the foundations and interconnectedness of the SDGs through recall of the concepts in sustainable development originating in principles of economics.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1					3			3
CO2	3	2	3		2		3	2
CO3	3	3		3		3		3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to sustainability

2 lecture hours

Definition and principles of sustainability, The triple bottom line: economic, social, and environmental dimension

Module II : Economic foundations of sustainability

6 lecture hours

Identification of market failures in environmental contexts, Understanding externalities and

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their impact on resource allocation, The role of property rights and the tragedy of the commons, Circular economy and resource efficiency, Sustainable economic development

Module III: Role of Businesses in Sustainable Development Goals 12 lecture hours

Sustainable Development Goals: what are they, why do they exist, Be able to identify interconnectedness of the SDGs, The role of business in the transition to sustainable development to create a prosperous future for all

Module IV: Corporate and social strategy for sustainability 10 lecture hours

Understanding the challenges in sustainable development, The concept of sustainable enterprises, Strategies and long-term decision-making towards sustainability, Best practices on sustainability from the businesses around the world: Discussions using case studies.

Text Books :

1. Atkinson, Giles, and Simon Dietz. 2007. Handbook of Sustainable Development. Edward Elgar Publishing.

Reference Books :

1. Atkinson, Giles, and Simon Dietz. 2007. Handbook of Sustainable Development. Edward Elgar Publishing.
2. Coursera. "Driving Business Towards the Sustainable Development Goals." Accessed [insert access date]. <https://www.coursera.org/learn/sdgbusiness#modules>
3. Coursera. "Corporate Sustainability: Understanding and Seizing the Strategic Opportunity." Accessed [insert access date]. <https://www.coursera.org/learn/corp-sustainability>

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Name of Program	Master of Business Administration				
MMBA396J	Management of MSMEs	L	T	P	C
Owning School/Department	School of Management	0	0	12	6
Pre-requisites/Exposure	Summer Internship Project				

Course Outcomes (Co)

On completion of this course, the students will be able to:

CO 1: Apply theoretical knowledge to problem solving and management of small business

CO 2: Understand the policy and institutional support environment facing the MSME entrepreneur

CO 3: Develop application methods of efficient management of men, money, material and market

CO-PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO3
CO1	3	3				3		
CO2				2			1	
CO3					1			1

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Orientation and Project Selection

25 hours

- Introduction to the MSME owners and their business
- Selection of project in the area of specialisation
- Review of methodologies and project development
- Finalization of project plan in consultation with the faculty and MSME supervisor

Module 2: Project Design execution

50 hours

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- Conduct a comprehensive review of relevant work and literature
- Study and Identify the potential problem/improvement area of the identified MSME
- Design project methodology and select appropriate techniques.
- Develop project questions and hypotheses.
- Finalizing methods to be followed and tools to be used

Module 3: Data Collection and Analysis

60 hours

- Review of internal or external reports, articles, accumulated data, academic literatures on the specific problem
- Perform work study of how the MSME functions and identify the potential improvement areas
- Perform survey-based research, if required to determine the root cause of problems and/or capability of the organization to improvise

Module 4 : Report Writing

4 hours

- Analysis and interpretation of data/results
- Identify the concluding points of the project
- Develop a research report

Module 5 : Report Presentation

5 hours

- Refine the research report and complete the final draft Develop a presentation for the project.
- Present the findings to the faculty and MSME supervisors.

Text Books :

3. Enugala Manohar, Small-scale Industries: Issues and Challenges, LAP Lambert Academic Publishing, 2018

Reference Books

- Annual Reports of Ministry of MSME (2022-2023)
- Desai Vasant, Management of Small-Scale Industries, Himalaya Publishing House Pvt. Ltd. New Delhi, 2014

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Assessment Scheme:

Components	Internal Assessment	Mid Term/Report	End Term/	Total
Weightage (%)	40%	20%	40%	100%

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Program Name	Master of Business Administration				
MMBA2096J	Dissertation/Internship	L	T	P	C
Owning School/Department	School of Management	0	0	20	10
Pre-requisites/Exposure	NA				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Gets functional understanding of working on primary and secondary data.

CO2: Analyze the management related issues and develop themselves as reflective practitioner and learning.

CO3: Apply concepts learnt to the research topics.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO	POS
CO1	3	3	1	1	1	3	2	1
CO2	2					2		
CO3	3	2				2		3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1: Orientation and Project Selection

Introduction and setting the expectations from Dissertations

Expected Outcomes' research process

Ways of working

Module 2: Synopsis presentation on the compendium of articles

Choosing a Research Topic

Choose 5 topics

Narrow down to 1 topic

Familiarization with Research Resources like Ebsco

Module 3: Literature Review

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Choose top 10 papers and discuss with faculty • Formulate in tabular format findings of each paper

Work on literature review

Presentation of Research topic.

Module 4: Developing Research Questions

Developing Research Questions which should include: • the issue that you are going to be investigating • your argument or thesis (what you want to prove, disprove, or explore)

the limits of your research (i.e. what you are not going to be investigating)

Module 5: Writing a research proposal

Writing a research proposal and creating a research plan

Submission of Progress Report -1

Identifying Variables and data sources

Collection of Online data

Data Cleaning and Data Analysis

Interpretation of Results and writing report (Mid-term Report)

Final Report Submission

Virtual presentation

Text Books :

1. . Kothari, C. R.. Research Methodology: Methods and Techniques. India: New Age International (P) Limited, 2004.

Reference Books :

1. Panneerselvam, R.. Research Methodology. India: Phi Learning, 2014.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA278L	Marketing of Services	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Marketing Management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Explain the unique challenges of services marketing, including the elements of product, price, place, promotion, processes, physical evidence, and people.

CO2: Describe how customer relationship marketing (CRM), including retention strategies, creates an environment that achieves excellence in customer service.

CO3: Design service quality measurements to build customer loyalty and evaluate the effectiveness and efficiency of customer service offerings.

CO4: Explain service blueprinting, the integration of new technologies, and other key issues facing today's customer service providers and service managers.

CO5: Discuss the influences of the multicultural marketplace, business ethics, and socially responsible marketing on services marketing.

CO6: Conduct a services audit plan for a service firm.

CO7: Integrate course concepts into individual performance to become better customer service representatives in the service environment.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	3	2	2	2	3	2	3
CO2	3	3	2	2	2	2	2	3
CO3	3	3	2	2	2	2	2	2
CO4	3	3	2	2	2	3	2	3
CO5	3	3	2	2	2	2	2	3
CO6	3	3	2	2	2	2	2	2
CO7	3	3	2	2	2	2	2	2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

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Module I: Understanding Service Products, Consumers, And Market 5 lecture hours

Creating Value in the Service Economy, Understanding Service Consumers, Positioning Services in Competitive Markets

Module II: Pricing, Distributing, and Branding of Services 5 lecture hours

Sustainability frameworks (circular economy, cradle-to-cradle design, triple bottom line)
Value through sustainability and as a differentiator, Stakeholder engagement, Building a sustainable brand

Module III: Customer Interface Management 6 lecture hours

Designing Service Processes, Balancing Demand and Capacity, Crafting the Service Environment, Managing People for Service Advantage

Module IV: Customer Relationship Management 6 lecture hours

Managing Relationships and Building Loyalty, Complaint Handling and Service Recovery,

Module V: Striving for Service Excellence 6 lecture hours

Improving Service Quality and Productivity, Building a World-Class Service Organization

Text Books:

1. Zeithaml and Bitner (2018). Services Marketing: Integrating Customer Focus Across the Firm. Tata McGraw-Hill

Reference Books:

1. Shanker, Ravi. Services Marketing. India: Excel Books, 2002

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA280L	Social Media Marketing	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understanding concepts and analytical tools in social media management.

CO2: Developing strategy for successful social media marketing.

CO3: Understanding ethical considerations in social media.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	2	1	2	2	3	2	2
CO2	2	2	1	3	2	2	3	3
CO3	2	2	3	2	2	1	2	2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Social Media

4 lecture hours

Overview of social media platforms and their audience, Impact of social media on business and society

Module II: Social Media Strategy

4 lecture hours

Aligning social media goals with business objectives, Target audience analysis and segmentation

Module III: Content Creation and Management

8 lecture hours

Crafting engaging content, Content calendar creation, Utilizing visuals, videos and storytelling
Content strategy for different social media platforms, Influencers and audience-created content

Unit/Module IV: Social Media Analytics

8 lecture hours

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Introduction to social media analytical tools, Interpreting data and KPIs, Using analytics to optimize social media campaigns.

Unit/Module V: Social and Ethical Considerations

6 lecture hours

Understanding social media crisis and maintaining a positive image, Privacy and data protection, Ethical issues in influencer content

Text Books:

1. Ellis-Chadwick, F., Chaffey, D. (2019). Digital Marketing. United Kingdom: Pearson.

Reference Books:

1. Ryan, D. (2014). Understanding Digital Marketing: Marketing Strategies for Engaging the Digital Generation, Kogan Page Limited.

2. Kingsnorth, S. (2019). Digital Marketing Strategy: An Integrated Approach to Online Marketing. India: Kogan Page.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA282L	Sustainable Marketing	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Marketing Management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To Identify and analyze the impact of social, economic, and environmental change, as well as the opportunities and threats that these changes present to individuals, businesses, and society.

CO2: To develop an understanding of the link between sustainable business practices and societal and environmental well-being.

CO3: To incorporate sustainability ideas into marketing methods and strategies, as well as marketing planning and execution.

CO4: To communicate to diverse stakeholders of the advantages of incorporating sustainability principles and objectives into marketing activities.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	2	3					3	2
CO2	3		1	3	2	2	3	
CO3	2	3		3	1		3	2
CO4		2		3	3		2	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Sustainable Marketing

6 lecture hours

What is sustainable marketing, Climate change in business context, Applications of sustainable marketing, Systems thinking and sustainability

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Module II: Frameworks of Sustainability**6 lecture hours**

Sustainability frameworks (circular economy, cradle-to-cradle design, triple bottom line)
Value through sustainability and as a differentiator, Stakeholder engagement, Building a sustainable brand

Module III: Customer Interface Management**6 lecture hours**

Designing Service Processes, Balancing Demand and Capacity, Crafting the Service Environment, Managing People for Service Advantage

Module IV: Customer Relationship Management**6 lecture hours**

Managing Relationships and Building Loyalty, Complaint Handling and Service Recovery,

Unit/Module V: Striving for Service Excellence**6 lecture hours**

Improving Service Quality and Productivity, Building a World-Class Service Organization

Text Books :

1. Martin, Diane, and Data John Schouten. 2015. Sustainable Marketing. Pearson India.
2. Carvill, Michelle, Gemma Butler, and Geraint Evans. Sustainable Marketing: How to Drive Profits with Purpose. Bloomsbury Business. 2018

Reference Books :

1. Singh, Amit Kumar, and Priyanka Mahanta. Green Marketing and Sustainable Development. Mittal Publication,

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA284L	Industrial Marketing Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Marketing Management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO 1: To understand the basics of industrial marketing management or B2B marketing with a discussion on similarities and differences between B2B and B2C marketing; to understand the decision-making process applied by organizational buyers, factors affecting the buying behavior and buy-seller relationship in B2B context, dealing ethically; to understand the segmentation process in B2B marketing and assessment of its potential (Understand Value: Market Strategy)

CO 2: To understand the strategic issues in industrial marketing management or B2B marketing context including a perspective on factors affecting global business; to understand the role and importance of key account management in industrial marketing management or B2B marketing; to understand management of new industrial products in B2B marketing; to understand services in B2B marketing context; to understand the role of branding in the context of B2B marketing; to understand the role of pricing as well as type of pricing suitable for different requirements in a B2B marketing context.

CO 3: To understand and design channels in B2B marketing context; to understand and manage personal selling in B2B context; to understand the role of e-commerce and social media as a channel strategy in B2B context

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	2	2	3	2	3	2	2
CO2	3	3	1	3	3	3	3	3
CO3	3	3	1	3	2	3	2	3

1=weakly related

2= moderately related

3=strongly related

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Course Contents:

Module I:

4 lecture hours

- Overview of B2B Marketing: Basics of B2B Marketing, Individual Assignment (Briefing about course outline & Group Project submission)
- B2B Principles, Market Sensing (Satisfaction Index Model), Understanding Customers (Value in Use).
- Organizational Buying Behavior and Relationship Management:

Home Reading:

What is Industrial Marketing (V. Kasturi Rangan & Bruce Isaacson; HBS:9-592-012)
Bonoma, T.V. (2006). Major sales—who really does the buying? Harvard Business Review. R0607).

Corey, E.R (1989). Industrial buying behavior. Harvard Business School. 9-582-117

Case Study:

Dominion Motors & Controls Ltd. HBS No. 9-589-115

Initiation of Group Project, Finalization of Company to be studied.

Module II:

10 lecture hours

- Key strategies Issues B2B Marketing
- Segmentation in business market and assessment of its potential:
- Strategic perspective and global aspects in B2B marketing, Market Offerings, Market Orientation (Realization strategy, Realization process model, Market oriented realization, and Purchase orientation process)
- Qualifying an opportunity / prospecting
- Deal Making
- Managing RFPs & Negotiations
- Mapping the client organizations' decision making
- Miller & Hyman's Blue Sheet
- Key account management in B2B marketing, (Prospecting and Hierarchy of Effects)

Reading:

Shapiro, B.P., & Thomas, V.B. (1984). How to segment industrial markets. HBS-84312

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Corey, E.R (1996). Industrial marketing strategy-An overview. Harvard Business School. 589102

Cesdes, F.V. (1989). Managing Major Accounts, HBS, 9590046

Case Study:

Quelch, J.A., & Hartman, K.B., (2017), Pintura Corporation: The Lena Launch Decision, HBS No. 9-917-523. Boston. MA: HBS

“San Antonio”: assessing the key account system. Emerald emerging markets case studies, (2012)

Cespedes, F.V., & Bell, M. (1995). Dendrite International HBS No. 9-594948. Boston, MA. HBS

Module III:

10 lecture hours

Business strategy Vs. Market Strategy

- Managing Industrial Products
- Managing Industrial Services
- Branding in B2B Marketing
- Pricing in B2B marketing
- Managing sales function in B2B marketing context

Reading:

Griffin, A., (2002), Product development cycle time for B2B products, IMM, 31(4),291-304

Reinartz, W., & Ulga, W. (2008). How to sell services more profitably, HBR R0805F

Muyllle, S., Dawar, N., & Rangarajan, D. (2012), B2B Brand architecture, California Management Review, CMR502

Corey, E.R (1990). Note on pricing strategies for industrial products, HBS 582124

Steenburgh, T. (2006). Personal Selling and sales management, HBS, 507039

Case study:

Quelch, John A, (1991). Loctite Corporation: Industrial Products Group, HBS No. 9581066, Boston, MA

Frei, F.X., Edmondson, E.C., & Hajim, C (2007). Dell Computers (A): Field Service for corporate clients, HBS No. 9603067, Boston, MA

Rangan, V.K., & Yong, S. (2010), Soren Chemical: Why is the new swimming pool product sinking? HBS No. 4188. Boston

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Shapiro, B.P., & Sherman, J.J. (1985). Cumberland Metal Industries: Engineered products division, HBS No. 9580104

Cespedes, F.V., & Preble M.G (2016). DoubleDutch, HBS 815044

Module IV:

2 lecture hours

- i. Role of electronic commerce in B2B marketing context
- ii. Social-media in B2B Marketing

(Google's DoubleClick Strategic Move” (BusinessWeek '07; “Social Networks Get Down to Business” (eMarketer '08*; “B2B Marketers Ready to Spend Online” (eMarketer '08)*)

Reading:

Sawhney, M. (2000). E-hubs: the new B2B marketplaces. HBR, 78(3), 97-106.R00306

Andersson, S., & Wikstrom. N. (2017). Why and how are social media used in a B2B context, and which stakeholders are involved? JBIM, 32(8), 1098-1108

Case Study:

Narayandas, D. (2007). Arrow Electronics Inc. HBS No. 9-598-022. Boston, MA: HBS

Cisco Systems: Launching the ASR 1000 series Router using social media marketing Kellogg school of management cases. (2017)

Individual Project Presentation (Additional Class, if required): The entire class benefits from the projects done by the fellow participants also provides exposure to different industries and Industrial Marketing Management or B2B problems faced therein.

Text Books :

1. Sarin, Sharad. 2014. Business Marketing Concepts and Cases. McGraw Hill Education.

Reference Books :

- 1.Hutt, Michael D., Dheeraj Sharma, and Thomas W. Speh. 2014. Business Marketing Concepts and Cases 2 B Marketing: A South-Asian Perspective. Cengage Learning.

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Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Programme	Master of Business Administration				
MMBA270L	Retail Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Marketing Management, Consumer Behavior, Human Resource Management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To evaluate current retailing trends based on consumer and competitive environments.

CO2: To identify various retail opportunities and evaluate the strategies associated with each type of opportunity.

CO3: To distinguish and characterize the factors and management tools that retailers consider and use when developing their merchandise mix.

CO4: To recognize and understand the operations-oriented policies, methods, and procedures used by successful retailers in today's global economy

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	2	3					3	1
CO2	3		1	3	2	2	3	
CO3		3	2	3	1		3	2
CO4		2	1	3	3		2	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Overview about Retail

4 lecture hours

Understanding retail management and retail marketing, Retailing formats and classifications, Retail strategy and structure

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Module II: Retail Planning**6 lecture hours**

Understanding retail consumers, Retail location strategy, Strategic retail planning process

Experiential Learning: Case Study Analysis

Module III: Strategic Elements in Retail Management**6 lecture hours**

Retail situation analysis, Identification of consumer characteristics and needs, Overall retail strategy

Experiential Learning: Case Study Analysis

Module IV: Retail Organization and Functions**5 lecture hours**

Retail organization and human resource management, Retail operations management: Operational context, Customer relationship management

Experiential Learning: Case Study Analysis

Module V: Merchandise Management and Pricing**7 lecture hours**

Developing merchandise plans, Implementation of merchandise plans

Pricing in retailing,

Experiential Learning: Case Study Analysis

Module VI: Communication with Customers**3 lecture hours**

Communicating retail image, Retail promotional strategy, Retail branding and positioning

Text Books:

1. Berman Barry, Evans Joel R, Chatterjee Patrai, Retail Management: A Strategic Approach (13th ed.), Pearson, 2017.

Reference Books:

1. Pradhan Swapna, Retailing Management: Text and Cases (6th ed.), McGraw Hill Education India, 2020

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2. Gilbert Dave, Retail Marketing Management (2nd ed.), Pearson, 2011.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA276L	Behavioural Finance	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure					

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the core principles and scope of behavioural finance.

CO2: Acquire a deep understanding of various behavioural biases and their categorization.

CO3: Analyse Real-Life Case Studies, Identifying Biases, and Critically Evaluating Strategies for Rational Decision-Making

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	3	2	2	2	3	2	2
CO2	3	3	2	3	3	3	2	3
CO3	2	2	3	3	3	3	3	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Behavioural Finance

8 lecture hours

What is Behavioural Finance?

The History of Behavioural Finance Historical Perspective on the link between Psychology and Economics, Modern Behavioural Finance, Psychographic Models used in Behavioural Finance, Introduction to Behavioural Biases Definition and Categorisation

Module II : Belief Perseverance and Information Processing Biases 8 lecture hours

Cognitive Dissonance Bias, Conservatism Bias, Confirmation Bias, Representativeness Bias, Illusion of Control Bias, Hindsight Bias - Description and Practical Application, Mental Accounting Bias, Anchoring and Adjustment Bias, Framing Bias, Availability Bias, Self-Attribution Bias, Outcome Bias, Recency Bias - Description, Practical Application.

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Module III: Emotional Biases**8 lecture hours**

Loss Aversion Bias, Overconfidence Bias, Self-Control Bias, Status Quo Bias, Endowment Bias, Regret Aversion Bias, Affinity Bias - Description, Practical Application, Regret Aversion Bias, Affinity Bias - Description, Practical

Module IV: Application of Behavioral Finance to Asset Allocation **6 lecture hours**

Guidelines for Determining Best Practical Asset Allocation, Investment Policy and Asset Allocation

Text Books :

1. Pompian, Michael M. 2006. Behavioral Finance and Wealth Management: How to Build Optimal Portfolios That Account for Investor Biases. New Jersey: John Wiley & Sons.

Reference Books :

1. Thaler, Richard H., and Cass R. Sunstein. 2008. Nudge: Improving Decisions About Health, Wealth, and Happiness. New Haven: Yale University Press.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Programme	Master of Business Administration				
MMBA342L	Wealth Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

By the end of this program, students should have the following knowledge, skills and values:

CO1: To provide an in-depth understanding about Financial Planning and Wealth Management in Indian Context.

CO2: To facilitate an understanding of Financial Planning / Wealth Management components, tools, techniques and processes.

CO3: To apprise the students regarding the international best practices in the field of Financial Planning and Wealth Management.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	3	2	1	1	2	2	2
CO2	3	3	3	2	2	3	3	2
CO3	3	3	2	3	3	3	2	2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Financial planning& its process

8 lecture hours

Introduction to Financial Planning : Role of Financial Planner ; Financial Planning Process;
Client Data Analysis; Life Cycle; Wealth Cycle; Risk Profiling and Asset Allocation;

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Financial Plan- Goal-based Financial Plan.

Module II : Investment & Risk Management:

7 lecture hours

Equity: Role of Equity; Active and Passive Exposures; Returns from Passive Exposure to S&P CNX Nifty; Sector Exposure and Diversification; Fundamental and Technical Analysis

Debt: Role of Debt; Deposits and Debt Securities; Yields and Interest Rate Risk; Interest Rate and Debt Investments;

Alternate Assets: Gold, Role of Gold; Gold Investment Routes; Real Estate; Real Estate Investment Routes; Real Estate Indices

Module III: Investment Evaluation Framework, Risk Profiling & Asset Allocation

5 lecture hours

Risk-Return Framework; Risk- Standard Deviation & Beta; Risk Adjusted Returns - Sharpe Ratio, Treynor Ratio, Alpha; Risk Profiling; Why Asset Allocation?; Strategic Asset Allocation; Tactical Asset Allocation; Rebalancing

Module IV: Elements of Taxation

5 lecture hours

Exempted Income; Deductions from Income - Section 80C, Section 80CCC, Section 80CCD, Section 80D, Section 80E, Section 80GG; Long Term and Short Term Capital Gain / Loss; Speculation Profit / Loss; Capital Gains Tax exemption under Section 54EC; Capital Gains Tax exemption under Section 54F;

Module V: Taxation of Investment Products

5 lecture hours

Dividend Tax / Tax on Income Distributed by Mutual Funds; Securities Transaction Tax (STT); Capital Gains Taxation; Taxation of Fixed Deposits and Fixed Maturity Plans- Fixed Deposits; Fixed Maturity Plans (FMP); Dividend and Growth Options in Mutual Fund

Text Books :

1. Verma, Ankit, Deepak Tandon, Pooja Baag, and Neeraj Saxena. Wealth Management- Text & Cases. 1st ed. New Delhi: Staredu Solutions. 2019.

2. Rattiner, Jeffrey H.. Getting Started As a Financial Planner. Viva Books Pvt. Ltd. 2006

Sinha, Madhu. 2008. Financial Planning: A Ready Reckoner.

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Reference Books :

1. Winning The Wealth Game. N.p.: McGraw-Hill Education (India) Pvt Limited, 2007.Dun

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA344L	Financial Risk Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Security Analysis and Portfolio Management and FM				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understanding of different type of risk management practices and their nuances

CO2: Understanding of the Derivatives Marketplace, Practices, Conventions and Players

CO3: Understanding of the Derivatives Products like Forwards, Futures, Swaps, Options etc.

CO4: Understanding of the option markets and products, option strategies and pricing

CO5: Learn how to set up a Swap Arrangements between two parties with or without a financial intermediary.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1							
CO2						2		
CO3			2				1	
CO4		2						
CO5								

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Risk Management

2 lecture hours

Basic approaches to measuring market risk, Scenario analysis and stress testing, Risk, expectations and market prices: the Capital Asset Pricing Model, Corporate Risk management

Module II :

2 lecture hours

The Evolution of Derivatives, Emergence of Derivatives in India, Categorization of Derivatives, and Key Characteristics of Derivatives. Examination of Premature Delivery,

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Extension, and Cancellation in Forward Contracts. Understanding Basis Risk and the Necessity of Hedging. Exploring Currency Futures and their Associated Hedging Approaches. An Insight into Derivatives Trading Landscape in India.

Module III:

10 lecture hours

Fundamentals of Forward and Futures Contract – Meaning and difference of forward and futures, contract specification, Trading and Settlement Mechanism, Marking to market, Operation of margins, Pay-offs

Hedging with Forward and Futures - Why Hedge, Hedging Concepts, Basis Risk, Hedging Strategies - Long hedge, short hedge and cross hedging, Determination of Optimal Hedge Ratio, Optimal Number of Contracts.

Case study: Metal gesellschaft AG-A case study, By John Digenan, Dan Felson, Robert Kelly and Ann Wiemert

Determination of forward and futures prices - Pricing of forward and future contract, Value of forward and future contract, Pricing Theories- Expectations approach and Cost of Carry Model

Module IV:

12 lecture hours

Option Contracts - Meaning of Option Contract, Development of Option Market, Types of Option Contracts- Call Option, Put Option, Concept of ITM, ATM and OTM. Exchange Traded Vs. Over-the-Counter Options Market, Mechanics of Option Trading, Option Price Quotations Principle of Option Pricing – Factors determining option prices, Put – Call Parity, Principle of all Option Pricing and Principle of put Option Pricing. Pay-off of Option Contract. Trading Strategies Using Options - Principal Protected Notes, Spreads, Combinations Case Analysis – The Keller Fund’s Option Investment Strategies, HBS Case, 9-295-096

Option Pricing Models - The Black- Scholes-Merton Model - Assumption of BSM Model, Factors in The BSM Model, Estimating the Volatility- Concept of Implied Volatility, Valuation of Call and Put Option, Greeks- Theta, Vega, Delta, and Rho

Module V:

4 lecture hours

Swaps - Meaning and Structure of Swap, Types of Swap, Market for Swap Contracts

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Text Books:

1. John C. Hull & Sankarshan Basu Options, Futures, and other Derivatives. Chennai: Pearson India, 2018

Reference Books:

1. John C. Hull, Risk Management and Financial Institutions. Wiley India, 2016,
2. Prabina Rajib, Commodity Derivatives, and Risk Management. New Delhi: PHI Learning, 2014.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA346L	Fixed Income Securities	L	T	P	C
Owning School/Department	Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Identify the key features of fixed income securities, including bonds, debentures, and notes.

CO2: Assess the returns and risks of fixed income investments.

CO3: Formulate strategies to invest in fixed income securities.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1	1				2	1	1
CO2		1		2		2	1	1
CO3		1			2	2	1	1

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Fixed Income Securities

lecture hours

Debt Securities and their Features, Other Fixed Income Securities

Module II : Bond Pricing and Returns and Risks

lecture hours

Pricing of Bonds and Bond Price Theorems. Bond Yield. Spot rates and Forward rates. Yield Curve – Par yield curve and Zero-coupon yield curve. Theories of Term Structure of Interest rates. Fitting of yield curve. Duration, Bond Price Volatility. Interest Rate Risk and its measures. Purchasing Power Risk. Call Risk. Default risk of Bond investment.

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Module III: Introduction to Bond portfolio Management

lecture hours

Bond Portfolio Performance measures and evaluation

Text Books:

1. Bond Markets, Analysis and Strategies. N.p.: Pearson Australia Pty Limited, 2015.

Reference Books:

1. Bond Markets: Analysis And Strategies, 5/E. India: Pearson Education, 2007.

Petitt, Barbara S., Pinto, Jerald E., Pirie, Wendy L.. Fixed Income Analysis. Germany: Wiley, 2015..

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA348L	Deep Learning	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Basic Statistics and coding				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To develop understanding of deep learning and machine learning for business decision making.

CO2: To acquire ability to understand the workflow through the use of models and tools for better solutions for business problems & managerial decision making.

CO3: To equip the students with the ability to use libraries in python , specifically keras and tensorflow for better decision making.

CO4: The students will be able to acquire the skills of using neural networks, image classification etc for problem solving in business.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3	2	1	3	2	2	2	2
CO2	3	2	1	3	2	2	1	2
CO3	3	3	3	3	3	3	2	3
CO4	3	3	3	3	3	3	3	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Deep Learning

7 lecture hours

Overview of artificial intelligence and machine learning, Fundamentals of neural networks, Evolution and key concepts of deep learning, Probabilistic Modeling, Decision trees, Random forests, and gradient boosting machines, Mathematical building blocks of neural network

Module II: Artificial Neural Network

8 lecture hours

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Data Representation for Neural Networks, Anatomy of neural network, Introduction to keras, Binary Classification problem using neural network, Artificial neural Network using python, Applications of deep learning through TensorFlow, Keras and PyTorch

Module III: Deep learning for Computer Vision

8 lecture hours

Convolutional Neural Network – Structure, pooling layers, improving performance of CNN, Classifying handwritten digits with convolutional networks, Recurrent Neural Network- RNN implementation and training, Backpropagation through time, Long-Short term memory

Module IV: Strategic Integration of Deep Learning

7 lecture hours

Identifying business problems suitable for deep learning solutions, Return on Investment (ROI) and cost-benefit analysis, Developing a deep learning strategy for organizational growth, Project on business problem employing deep learning solution.

Text Books:

1. Ivan Vasilev, Python Deep learning, Published by Packt Publishing Ltd. 2019

Reference Books:

1. Francois Chollet, Deep learning with Python, Manning Publications Co, 2018
2. Ian Goodfellow, Deep Learning, Deep Learning Publishers, Inc; 2018

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA350L	Analytics for Sustainable Supply Chain	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Basic Statistics and coding				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the importance of green and sustainability in the supply chain

CO2: Design efficient and effective sustainable supply chain

CO3: Apply advanced analytical tools and techniques for sustainable supply chain

CO4: Apply tools and techniques in waste, recycling, and reverse logistics

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					3	2	
CO2		3					2	
CO3		3		3			2	
CO4		3	2		2			3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1, Sustainability and climate change,

08 lecture hours

Introduction to sustainable supply chain management, Climate change-Green House Gas Emissions trends, UNFCCC reports, Kyoto Protocol, Paris Agreement –Essential Elements, Sustainable development goals, Renewable energy and non-conventional sources of energy, Digital supply chain management, Supply chain resilience and agility, Risk and uncertainty in supply chain,

Module 2, Analytics for sustainable transportation

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Sustainable transportation: Classification and impact, Technological and regulatory Initiatives in green transportation, Vehicular emission analysis, Decision models for transportation mode selection, Analytics for route optimization, Analytics for low carbon transport planning in urban sector,

Module 3, Analytics for green sourcing, and inventory planning 12 lecture hours

Green purchasing principles and practices and life cycle cost assessment, Analytics for life cycle cost assessment and spend analysis, Simulation for inventory planning and control, Analytics for sustainable supply chain network optimization, Warehousing analytics and applications,

Module 4, Analytics for close loop supply chain 10 lecture hours

Reverse logistics and applications, Heuristics for waste collection, disposal, and recycling, Improving social and environmental performances in global Supply Chain

Text Books :

1. Bouchery, Y., J. C. Fransoo, J. C. Corbett, and T. Tan. Sustainable Supply Chain Management: A Research-Based Textbook. Springer Publications, 2014.

Reference Books :

1. Morana, J. Sustainable Supply Chain Management. Wiley Publications, 2013.
2. Krmac, E. Sustainable Supply Chain Management. Intech Open Publications, 2016.
3. Slack, N., S. Chambers, and R. Johnston. Operations Management, 5th ed. Prentice Hall, FT, 2007.
4. Krajewski, L. J., L. P. Ritzman, M. K. Malhotra, and S. K. Srivastava. Operations Management: Processes and Supply Chains, 9th ed. Pearson Education, New Delhi, 2015.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA368L	AI Techniques in Analytics	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Grasp the fundamentals of data analytics.

CO2: Apply machine learning and NLP algorithm and Time Series to analytics

CO3: Use prescriptive analytics techniques for business decisions.

CO4: Understand latest trends in AI and their relevance to analytics.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	2	3	2	1	1	2	1	1
CO2	3	3	2	3	1	3	2	1
CO3	3	3	2	3	1	3	1	1
CO4	2	2	3	1	1	2	3	1

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module 1 Introduction to AI and Analytics 7 lecture hours

Overview of Artificial Intelligence, Importance of AI in Analytics, Applications of AI in Analytics

Fundamentals of Data Analysis 5 lecture hours

Exploratory Data Analysis (EDA), Data Visualization and Statistical Analysis

Module 2 Predictive Analytics / Machine Learning 7 lecture hours

Data mining Process, Methods and Algorithms, Machine learning techniques: Regression Analysis, , classification Algorithms, Clustering Algorithms, Ensemble Methods, Time Series Analysis: Time Series Data Characteristics, Forecasting Techniques, Anomaly Detection in Time Series Data, Text Mining, sentiment, and Social Analytics, Reinforcement Learning for

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Analytics: Basics of Reinforcement Learning, Markov Decision Processes, Applications of Reinforcement Learning in Analytics, Deep Learning and Cognitive computing

Module 3 Prescriptive Analytics and Big Data 5 lecture hours

Prescriptive Analytics: Optimization and Simulation, Big Data , Cloud computing and Location Analytics

Module 4 Robotics, Social Network, AI and IoT 4 lecture hours

Robotics: Industrial and consumer applications, Knowledge System , IoT

Module 5 Ethics and Privacy in implementation of AI Driven Analytics Projects

2 lecture hours

Ethics and Privacy, Organizational and societal impact

Text Books:

1. Analytics Data Science & Artificial Intelligence – System for Decision Support, Ramesh Sharda, Dursun Delen, Efraim Turban, Pearson , 2021.

Reference Books:

1. Kulkarni, Parag., Joshi, Prachi. Artificial, Intelligence: Building Intelligent Systems. India: PHI Learning, 2015.
2. Jackson, Philip C.. Introduction to Artificial Intelligence: Third Edition. United States: Dover Publications, 2019

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Name of Program	Master of Business Administration				
MMBA2050L	Digital Business Modelling	L	T	P	C
Owning School/Department	School of Management	2	0	0	0
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO 1: Understand the concept and categorization of digital business models.

CO 2: Understand how these models are implemented by software disruptors such as Apple, Google, Facebook and Amazon.

CO 3: Analyze how digital business models impact the daily lives of users.

CO 4: Evaluate the interaction of different platforms with its users which forms the platform economy.

CO 5: Apply the different variables of a platform to design the blueprint of a digital platform.

CO 6: Evaluate the effectiveness of the proposed digital platform using the cases of existing platform brands in the Indian market.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					3		
CO2	2					2		
CO3		2	2		3			2
CO4	3		3		2		2	2
CO5		3		3		3	3	2
CO6		3		3				

1=weakly related

2= moderately related

3=strongly related

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Course Contents:

Module I: Introduction to Digital Business Models

4 lecture hours

Creation of value by businesses: digital vs. traditional

The rise of internet-based brands

Digital as a business model

The role of developers in building digital business models

Module II: Categorization of digital business models

12 lecture hours

E-commerce businesses

Asymmetric business models

Digital platforms and the platform economy

Sides of a platform (N-sided platforms)

Network effects: Direct and indirect

Transaction platforms vs. innovation platforms

Module III: Digital platforms and competition

6 lecture hours

Ride-hailing, food-delivery and fashion: The case of Uber, Swiggy and Myntra

Platform competition: Barriers to entry

Homing: Single-homing vs. multi-homing

Differentiation and niche competition

Crowdsourcing

Module IV: Designing a digital platform

8 lecture hours

Why do platforms fail?

Variables: participants, sides and resources

The chicken and egg problem

Launching the platform

Concluding the course

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Text Books:

1. Cusumano, M. A., Gawer, A., & Yoffie, D. B. (2019). The business of platforms: strategy in the age of digital competition. Innovation, and Power. HarperCollins Publishers.

Reference Books:

1. Gawer, A. (Ed.). (2011). Platforms, markets and innovation. Edward Elgar Publishing.
2. Jullien, B., & Sand-Zantman, W. (2021). The economics of platforms: A theory guide for competition policy. Information Economics and Policy, 54, 100880.
3. Kenney, M., & Zysman, J. (2016). The rise of the platform economy. Issues in science and technology, 32(3), 61.
4. McIntyre, D. P., & Srinivasan, A. (2017). Networks, platforms, and strategy: Emerging views and next steps. Strategic management journal, 38(1), 141-160.
5. Rietveld, J., & Schilling, M. A. (2021). Platform competition: A systematic and interdisciplinary review of the literature. Journal of Management, 47(6), 1528-1563.
6. Yoffie, D. B., Gawer, A., & Cusumano, M. A. (2019). A study of more than 250 platforms reveals why most fail. Harvard Business Review.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100

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Program	Master of Business Administration				
MMBA354L	Films and Entertainment Industry	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Marketing Management, Media Production and Consumption				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Gain insights into the positioning of the film market in the entertainment industry in India and abroad

CO2: Investigate the upswing of OTT platforms with varied products amidst the changing investment patterns

CO3: Develop film strategy from a conceptual stage and gain insights into the legal and ethical aspects

CO4: Explore the functioning of television entertainment, music industry and the changing gaming culture

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	2			3	2	2	2	
CO2	2	3		2			2	
CO3	2	2	2	3		2		
CO4		2		3	1			2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Indian Film Industry

4 lecture hours

Share of Indian Film market to the total M&E industry, Past trend and estimates for next 5 years, Major languages and their share in the film pie, Revenue sources: Domestic Theatrical,

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Home Video, Cable & Satellite, Ancillary Streams, Opportunities and Threats, Lifecycle of a film

Module II: Films and Strategy

6 lecture hours

Content strategy plans to convert to business – communication channels, Engagement with the talent management agencies to construct the commercials of key talent- Director & Lead Cast, Role of Director and his/her deliveries, Standard milestone for disbursement of payments, the Exploitation of non-theatrical rights - Satellite, Digital & Music, The pricing parameters for sale: Cast, Director, Genre and Production House, Examples across various genres and talent

Module III: Film Marketing

6 lecture hours

Marketing of the film, Budgeting and planning of the film release, Scheduling the break of communication – timing, Scheduling the break of communication – timing, Importance of trailer, music and TV for grabbing the attention of the audience, Customizing the communication for different platforms -- TV, Print, Radio & Social Media, Importance of Public Relations, Worldwide Distribution of Films – theatrical, Understanding the Domestic Box Office, Gross Box Office (GBOC), Net Box Office (NBOC) and final distribution share, India Theatrical Territory break up and key players, Overseas Distribution: Traditional exploitation and non-diaspora markets

Module IV: OTT Market

4 lecture hours

OTT considerations/impact, Star system considerations , Changing investment patterns, budgeting and financing, Understanding revenue share, pre-production process, Project greenlighting, Role of a Creative Producer, Production and post-production process, national and international markets

Module V: Music, TV and Gaming

6 lecture hours

Music industry, Television industry and TRPs', Gaming culture, Major milestones of India's entertainment industry and its future

Module VI: Laws, Regulations and Ethics related to the Entertainment Industry

4 lecture hours

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The value of IP and its exploitation post the first cycle, Bollywood and way forward in times of Digital Content, Industry practices, Cinematograph Act: Key provisions, Censor Board of Film Certification, Ethics4 lecture hours

Text Books :

1. Kohli, Vanita. The Indian Media Business. India: SAGE Publications, 2013. **Web**

References:

1. Lieberman, Al., Esgate, Pat. The Definitive Guide to Entertainment Marketing: Bringing the Moguls, the Media, and the Magic to the World. United States: Pearson Education, 2013.

2. Ulin, Jeffrey C.. The Business of Media Distribution: Monetizing Film, TV, and Video Content in an Online World. United States: Taylor & Francis, 2019.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA356L	Media Planning & Buying	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Gain insights into the process of media planning and buying.

CO2: Gain theoretical knowledge on the media planning and buying.

CO3: To understand the industry aspects of the media planning and buying.

CO4: Explore the recent trends in media planning and buying, especially with regard to the digital sphere.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	2			3	2	2	2	
CO2	2	3		2			2	
CO3	2	2	2	3		2		
CO4		2		3	1			2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Media Planning and Selection

4 lecture hours

Basic terms and concepts of media planning, The function of media planning in advertising, Role of media planner challenges in media planning, Media brief and media audit, NCCS and BARC Grid

Module II: Media: An Overview

6 lecture hours

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Media types characteristic of major media forms, Internet –the big medium, ATL & BTL Media, Electronic media, Outdoor Advertising, Transit advertising

Module III: Pricing Media Properties and Communication Mix 6 lecture hours

Pricing Media Properties, Syndicate and spot buys, sponsorships, and associate sponsorships, Media pricing for television, radio, and print media

Communication Mix- Events and sponsorship, Merchandising, point of purchase, In film advertising and mobile advertising, Ambient advertising, Negotiation skills in media buying and laws of persuasion

Module IV: Media Measurement 4 lecture hours

Reach and Frequency, GRPS/GVT Ratings, TRP/TVT Ratings, Impressions, Cost efficiency Cost per thousand and Cost per rating, Circulation / Readership /AIR, Selectivity Index and Share of Voice

Module V: Digital Media Planning 6 lecture hours

Search engine optimisation and search engine marketing, Mobile advertising, Email marketing – (Cost per email open CPO), cost per email sent (CPS), cost per visit, cost per click, cost per transaction, cost per form fill or cost per lead (CPL)

Module VI: Digital Media Buying 4 lecture hours

Buying digital advertising: an overview paid media, owned media and earned media, Direct buys from the websites, Programmatic Buying: DSP (Demand side platform) or RTB (Real time bidding), Cost per action (CPA), pay per action (PPA), Advertising.

Text Books:

1. Media Planning & Buying. N.p.: Deepublish, 2017.

Reference Books:

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1. Geskey, Ronald D.. Media Planning & Buying in the 21st Century. United States: 2020:Marketing Communications LLC, 2014.
2. Media Planning - From Recency to Engagement. India: ICFAI University Press, 2006.
3. Katz, Helen. The Media Handbook: A Complete Guide to Advertising Media Selection, Planning, Research, and Buying. United Kingdom: Taylor & Francis, 2022.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA358L	Marketing and Branding in Event Industry	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Gain insights into the positioning of the film market in the entertainment industry in India

CO1: Gain insights into the process of Marketing and branding in the context of event industry.

CO2: Gain theoretical and business aspects on the event industry.

CO3: To understand the industry aspects of the event industry.

CO4: Explore the recent trends in the event industry, drawing meaningful linkages with branding and marketing.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	2			3	2	2	2	
CO2	2	3		2			2	
CO3	2	2	2	3		2		
CO4		2		3	1			2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Marketing and branding

4 lecture hours

Introduction to Media Planning and Selection- Basic terms and concepts of branding, Basic terms and concepts of marketing, The function of branding and marketing, Visual identity design, logo, mission and values in branding, Brand theory in marketing.

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Module II: Activities in Event Management**6 lecture hours**

5c's of Event Designing, Scheduling, Technical requirements-Lighting, Audio/Video, Pre, During Post Event Activities Logistic, Suppliers

Module III: Event theme**6 lecture hours**

Venue, Target Audience, Layout, Theme, Backdrop, Banner, Décor

Module IV: Entertainment**4 lecture hours**

Catering, Various media for event promotion, Understanding the relevance of each media to event promotion, Comparison and strengths and weaknesses of each, Sponsorships, Event marketing and event promotion

Module V: Event Evaluation**6 lecture hours**

Basic Evaluation Process, Establishing tangible objectives and sensitivity in evaluation, Evaluation from Event Organizers' Point of View, Evaluation from Clients' Point of View

Module VI: Recent trends in marketing and branding in event industry**2 lecture hours**

Rise of virtual and hybrid events, Augmented reality and virtual reality for events., The use of artificial intelligence in the event industry, Social media as an event promotion tool, Mobile technology and how people attend events.

Text Books :

1. Palmer, Scott. Essential Guide to Stage Management, Lighting and Sound. United Kingdom: Hodder & Stoughton, 2000.
2. The Event Professional's Handbook: The secrets of successful events. N.p.: Harriman House Limited, 2016.

Reference Books :

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1. Golovinski, Meshulam (Shuli). Event 3.0: How Generation Y & Z are Re-shaping the Events Industry. United Kingdom: Lulu.com, 2011.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Program	Master of Business Administration				
MMBA360L	Media Marketing & Distribution	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Develop a comprehensive understanding of the principles of media marketing and distribution

CO2: Explore the various elements of media marketing and distribution, from the basics of media planning to the complexities of global media

CO3: Gain insight into the operational and strategic aspects of media

CO4: Understand the importance of media planning, research, and evaluation in the success of media campaigns and recognize the importance of digital media, social media, and mobile media in today's media landscape and ethics

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	2				2	2	2	
CO2	2	2		2			2	
CO3	2	3		2	2	2		
CO4		2	2	3	1			2

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Media Marketing and Distribution 6 lecture hours

The Role of Media in Marketing and Distribution, Media Planning and Budgeting, Media Research and Evaluation

Module II: Digital and Social Media Marketing

8 lecture hours

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Social Media Platforms, SEO and SMO, OTT and Digital Media, Paid and Organic Marketing, Google Analytics, Utilizing Paid Media to Amplify Your Reach

Module III: Content Creation for Media Marketing and Distribution

8 lecture hours

SEO Optimized Content, Platform Specific Content, User and Influencer Content,
Developing a Multi-Channel Content Strategy, Crafting Compelling Visuals for Engagement
Crafting Engaging Copy for social media, Creating Effective Ads for Social Media

Module IV: Analyzing the Performance of Media Distribution and Promotion

8 lecture hours

Optimizing Media Distribution Strategies and evaluating, Trends in Digital Media Distribution
Challenges of Global Media Distribution, Target Audience Identification and Analysis, Rights
Management for Media Distribution, Impact of AI and Automation on Media Distribution
Cross-Platform Media Distribution Strategies, The Future of Media Distribution, Team and
Risk management

Text Books :

1. Katz, Helen. The Media Handbook: A Complete Guide to Advertising Media Selection, Planning, Research, and Buying. United Kingdom: Taylor & Francis, 2022.
2. Ulin, Jeffrey C.. The Business of Media Distribution: Monetizing Film, TV, and Video Content in an Online World. United States: Taylor & Francis, 2019.

Reference Books :

1. Knecht, Robert E., Jr. Media Marketing and Distribution: A Practical Guide to the Entertainment Industry. 4th ed.

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Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Program	Master of Business Administration				
MMBA364L	Employee Relations	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Analyze the organizational and employee objectives for improved organizational effectiveness.

CO2: Analyze the rules, regulations, policies, and guidelines applied in performing employee relations program functions.

CO3: Understand the growing interest in the use of employee relations to improve the quality of work-life.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3		1	1		2	1	2
CO2	1	2	1		1		2	2
CO3	2	2		3	2		2	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Employee Relation

4 lecture hours

The basic concept of employee relations, ERM, Nature of employee relations, Factors influencing ERM, principles of ERM, Aim of ERM, Functions of employee relations managers, Barriers to ERM.

Module II: Statutory Employee Relations (Related to Wage and Bonus)

8 lecture hours

Concept and levels of wages, Legislations Related to Wage and Bonus: The Payment of Wages Act, 1936, The Minimum Wages Act, 1948, The Payment of Bonus Act, 1965.

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Module III: Industrial Disputes**6 lecture hours**

Industrial dispute: Concept, Forms of industrial action, Types of strikes, Types of disputes, Causes of industrial disputes, Measures to improve industrial relations.

Module IV: Statutory Employee relations (Related to Industrial Relations and Conflict Prevention**8 lecture hours**

Industrial Relations and Conflict Prevention: The Industrial Disputes Act, 1947, The Industrial Employment (Standing Orders) Act, 1946, The Trade Unions Act, 1926

Module V: Negotiation Essentials for Employee Relations**4 lecture hours**

Basic concept of conflict and negotiation, Approaches to Resolve Conflict—The Approach-Avoidance Continuum, The dual concern model of conflict resolution, Negotiation, Features of negotiation, Types of negotiation, and Negotiation process.

Text Books :

1. Ulin, Jeffrey C.. The Business of Media Distribution: Monetizing Film, TV, and Video Content in an Online World. United States: Taylor & Francis, 2019.

Reference Books :

.1. Sahoo, D. P.. Employee Relations Management: Text and Cases. India: SAGE Publications, Incorporated, 2020.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Name of Program	Master of Business Administration				
MMBA2044L	HR Metrics and Analytics	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	HRM				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Analyze HR metrics and data to assess recruitment, retention, and performance.

CO2: Evaluate forecasting techniques and HR dashboards for data-driven decisions.

CO3: Apply tools like SPSS and RapidMiner to address HR analytics challenges.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1			2		3		
CO2		2					3	
CO3	2	2		2		2	3	

1= weakly related

2 = moderately related

3 = strongly related

Course Contents:

Module I: Introduction to HR Metrics and Analytics

10 lectures hours

Introduction to HR metrics and analytics, Sources of Data, Process of Analytics, Big Data Analytics, Introduction to Hadoop, HR Metrics to Human Resource Analytics- Performance, Difference data, information, measurement, metrics and insight.

Qualified Candidates, Time to Fill, Time to Hire, Offer Acceptance Rate, Hires to Goal, Quality of Hire, Cost Per Hire, Retention Rates, Measuring the costs of hiring- Cost per hire, hiring cycle time, hiring fill rate, offer acceptance rate, Yield ratio.

Module II: Forecasting Metrics

10 lectures hours

Markov Analysis, Sensitive Analysis (what - if analysis), How to operate SPSS, Human Resource Information Systems (HRIS), Importance of HRIS, Introduction to performance related data, Performance metrics, Revenue per employee, Profit per FTE, establishing causation and Correlation for performance and performance drivers, Importance of HR dashboard, how to make HR dashboard with excel. Presentations (Tutorials)

Module III: Practical aspects and Case Studies on HR Analytics

10 lectures hours

Case study on Recruitment Analytics, Case study on Selection Analytics, Analytics in Training and Development, Case study on Analytics in Talent Management, Compensation Management, and Employee Engagement. How to use Rapid Miner tool.

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Text Books:

1. Yadav, R.S. and Maheshwari, S. HR Analytics: Connecting Data and Theory, Wiley Publication, 2020.
2. Bernard Marr. Data-Driven HR, How to Use Analytics and Metrics to Drive Performance, Kogen Page, 2018.

Reference Books:

1. Laurie Bassi, Rob Carpenter, Dan McMurrer. HR Analytics Handbook, McBassi & Company, 2010.
2. P. Gene, B. Boyce, and Jac Fitz-Enz. Human capital analytics: How to harness the potential of your Organization's greatest asset, Wiley, 1st edition, 2015.
3. Bhattacharyya. D. Human Resource Research Methods Oxford University Press – 1st Edition, 2016.
4. Soundararajan. R and Singh., K. Winning on HR Analytics: Leveraging Data for Competitive Advantage – 1st edition, 2016.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Name of Program	Master of Business Administration				
MMBA2045L	Organization Change and Transformation	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	HRM				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Outline the nature and reasons for organizational change.

CO2: Apply the principles and techniques of Organisation transformation in modern organization.

CO3: Apply OD interventions in an organizational context.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					2		
CO2		2					2	
CO3			2	2				2

1 = weakly related

2 = moderately related

3 = strongly related

Course Contents:

Module I: Introduction to Change

8 lectures hours

Definition and types of change

Exercise: on Identifying need of change

Internal and external drivers of change, SWOT and PESTLE analysis

Key concepts and theories: Lewin's change management model

Kotter's eight-step change model

Case Study

Module II: Leading Change

8 lectures hours

Resistance to change

Tools and techniques for assessing organizational effectiveness

Data collection tools: Techniques and metrics for change

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Themes & issues of the future of organization change

Review & Panel activity

Module III: Organization Development Interventions

7 lectures hours

Learning Organizations

Intervention Strategies: Team building,

Process consultations

Building coalition and leadership support

Exercise: Simulation

Module IV: Innovation and Transformation

6 Lecture Hours

Fostering a culture of innovation

Digital transformation and emerging technologies

Building agility and resilience

Diversity and Inclusion in OCT

Project presentation

Text Books

- Lawrance, Paul. (2015). Leading change: How successful leaders change approach change management, Kogan Page
- Northouse, Peter G. (2019). Leadership Theory and Practice, 8th Edition. Sage Publications, Inc. Thousand Oaks, CA. ISBN: 978-1-5063-6231-

References Books:

- Entrekin, Lanny & Scott-Ladd, Brenda (2014). Human Resource Management and Change: A practising manager's guide, Routledge publication.
- Gary Yulk, Nihanth Uppal, Leadership in organizations, Pearson,3e, 2019.
- Ranjana Mittal, Leadership Personal Effectiveness and Team building, Vikas Publicitaions,2015
- Peter G. Northouse, Leadership Theory and Practice, Sage Publications, 2011.

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- Barbara Senior, Jocelyne Fleming, Organizational Change, 3e, Pearson publications,2010
- Mark Hughes, Managing Change, Universities Press,2011.

Assessment Scheme:

Components	Internal Assessment	Mid Term (assignment)	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Name of Program	Master of Business Administration				
MMBA2046L	Strategic Human Resource Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	Basic understanding of Human Resource Management				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Explore the significance of human resource management as a strategic tool in organizations.

CO2: Develop capability to understand strategic HR issues in organizations and make appropriate choices in dynamic business environment.

CO3: Acquire an in-depth understanding of how aligning HR strategically with business can be a competitive and sustainable advantage.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	2		2	3		2	2	2
CO2	2	3	2	3	2	2	2	3
CO3	3	3	2	3	2	2	2	3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Strategic Human Resource Management: An Introduction 10 lecture hours

Human resource strategy, Human resource as assets, Evolution of SHRM, Strategic fit, Distinctive HR practices, Theoretical perspectives on SHRM, SHRM approaches: The Indian context, Alternative HR Strategies, Human resource environment, Human resource evaluation.

Module II: The Functional Aspects of HR

10 lecture hours

Human resource planning, Acquiring human resources, Training and development of human resources, Performance management and development systems, Compensation and rewards management.

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Module III: SHRM And The “Bigger Picture”**10 lecture hours**

Managing careers, Mentor relationships, Work-life integration, International human resource management.

Text Books:

1. Strategic Human Resource Management, Tanuja Agarwala, Oxford University Press, 2023.

Reference Books:

1. Strategic Human Resource Management: An International Perspective, Gary Rees and Paul Smith, Sage Publishers, 2022.
2. Strategic Human Resource Management, Charles R. Greer, Pearson, New Delhi.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100

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Name of Program	Master of Business Administration				
MMBA2047L	Multimodal Transportation Management	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: Understand the concepts, importance, and integration of different modes in multi-modal transportation systems.

CO2: Analyze the planning, operational, and economic aspects of multi-modal transportation networks.

CO3: Apply sustainable practices and innovative solutions to optimize multi-modal transportation systems.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3
CO1	3	3	2		3		
CO2	2	3	3	2		3	
CO3	-	3	3	3			3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Multi-Model Transportation

5 lecture hours

Definition and concept of multi-modal transportation, Evolution of multi-modal transportation

Importance of multi-modal transportation in global supply chains, Benefits and challenges of multi-modal transportation, Key players in multi-modal transportation (e.g., shippers, carriers, forwarders, terminal operators)

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Module II: Modes of Transport

5 lecture hours

Road Transport: Types of road vehicles (trucks, trailers, vans), Road infrastructure and its impact on transportation. **Rail Transport:** Types of rail transport (freight trains, passenger trains), Rail infrastructure and its impact on transportation. **Air Transport:** Types of aircraft used for cargo transport, Airport infrastructure and its impact on transportation. **Sea Transport:** Types of ships (containerships, tankers, bulk carriers), Port infrastructure and its impact on transportation. **Inland Waterways Transport:** Types of inland waterways (rivers, canals), Inland waterways infrastructure and its impact on transportation. **Pipeline Transport:** Types of pipelines (oil pipelines, gas pipelines), Pipeline infrastructure and its impact on transportation.

Module III: Intermodal Transport Operation

5 lecture hours

Intermodal transportation concepts and definitions, Types of intermodal transport (e.g., containerization, piggybacking, ro-ro), Key components of intermodal transport chains (terminals, containers, equipment), Intermodal transport documentation and procedures, Challenges and opportunities in intermodal transport operations.

Module IV: Multi-Model Transport Planning and Design

5 lecture hours

Factors influencing multi-modal transport planning (demand, supply, cost, time, risk), Multi-modal transport network design and optimization, Route planning and selection, Scheduling and synchronization of different modes of transport, Capacity planning and resource allocation.

Module V: Technology and Information Systems in Multi-Model Transportation

5 lecture hours

Role of technology in improving multi-modal transport efficiency, Transportation Management Systems (TMS), Global Positioning Systems (GPS) and tracking technologies Blockchain technology in multi-modal transportation, Internet of Things (IoT) applications in multi-modal transport.

Module VI: Economic, Environmental, and Social Impacts of Multi-Modal Transportation

5 lecture hours

Economic impacts of multi-modal transportation (cost savings, economic growth, job creation), Environmental impacts of multi-modal transportation (pollution, greenhouse gas

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emissions, noise), Social impacts of multi-modal transportation (safety, congestion, community impact), Sustainable multi-modal transport solutions.

Text Books:

1. Chopra, S., & Meindl, P. (2016). Supply chain management: Strategy, planning & operation. Pearson.
2. Taniguchi, E., & Yamada, T. (2012). Intermodal freight transport. Springer.

Reference Books:

1. Chopra, S., & Meindl, P. (2016). Supply chain management: Strategy, planning & operation. Pearson.
2. Lamming, R. (2016). Logistics and supply chain management. Routledge.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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Name of Program	Master of Business Administration				
MMBA2048L	Logistics Documentation System	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To provide students with an in-depth understanding of logistics documentation and its role in supply chain operations.

CO2: To equip students with knowledge of the types of documents, legal frameworks, and technologies used in logistics documentation.

CO3: To explore technologies used in logistics documentation.

CO4: To develop skills for managing, analyzing, and automating logistics documentation systems effectively.

CO5: To enable students to understand emerging trends like AI, IoT, and green logistics, and their impact on the evolution of documentation systems in global supply chains through real-world case studies.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3					3		
CO2	3	2		3		2	3	
CO3	3			3			3	3
CO4			3	3				3
CO5	2	3					3	

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Introduction to Logistics Documentation

(4 lecture hours)

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Overview of logistics and the role of documentation, Importance of accurate and timely documentation in supply chains, Types of logistics document (invoices, bills of lading, packing lists), Common challenges in logistics documentation

Module II: Legal and Regulatory Aspects of Logistics Documentation (8 lecture hours)

International trade laws and documentation requirements, Customs documentation and compliance procedures, Overview of Incoterms and their application in logistics, Legal implications of inaccurate or missing documentation, Regulatory requirements for import/export documentation, Role of compliance in minimizing risks

Module III: Tools and Technologies for Documentation Management (6 lecture hours)

Digital transformation in logistics documentation (EDI, blockchain, and cloud platforms), Automation tools for data entry and document processing, Software solutions for managing logistics documentation (TMS, WMS, ERP systems), Security and data privacy in digital documentation systems

Module IV: Documentation in Specific Logistics Operations (4 lecture hours)

Freight forwarding: required documents and processes, Warehouse and inventory documentation: receipts, reports, and audits, Transportation documents: bills of lading, waybills, and manifests, Role of documentation in reverse logistics and returns management, Real-world examples of logistics documentation processes

Module V: Best Practices and Future Trends (8 lecture hours)

Emerging trends in logistics documentation: AI and IoT applications, Best practices in maintaining and auditing documentation systems, Sustainability and green logistics in documentation, Future of documentation systems in global supply chains, Case studies: Successful implementation of digital logistics systems

Text Books:

1. David Simchi-Levi, Ravi Shankar, Phillip Kaminsky, Designing and Managing the Supply Chain 4 th edition. McGraw-Hill Publishing Company Ltd, New Delhi.
2. Christopher, M. (2022). Logistics and supply chain management. Pearson Uk.
- 3 Johnson, T. (2010). Exports Imports Procedures and Documentation (3rd ed.). Harper Collers Publications

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4. "The Handbook of Logistics and Distribution Management" by Alan Rushton, Phil Croucher, and Peter Baker

Reference Books:

- Smith, J. (2021). Logistics documentation system: A comprehensive guide. Logistics Press.
- Brown, T., & Green, M. (Eds.). (2020). Advances in global logistics and supply chain management. Global Business Press.
- Anderson, P. (2019). Supply chain management and logistics: A practical approach. Logistics Publications.
- Christopher, M. (2016). Logistics and Supply Chain Management (5th ed.). Pearson.
- Kapoor, S. K., & Kansal, P. (2003). Basics of distribution management: A logistics approach. PHI Learning Pvt. Ltd..

Articles, case studies, and reports provided throughout the course.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

Rajesh Chakrabarti

Name of Program	Master of Business Administration				
MMBA2049L	Logistics Strategy and Planning	L	T	P	C
Owning School/Department	School of Management	2	0	0	2
Pre-requisites/Exposure	None				

Course Outcomes (COs)

On completion of this course, the students will be able to:

CO1: To analyze the role of logistics in supporting business strategy and align logistics functions with organizational goals to drive competitive advantage.

CO2: To design and implement strategic logistics plans incorporating demand forecasting, capacity planning, and resource allocation.

CO3: To identify and analyze the cost structures in logistics and transportation, determining cost drivers and areas for improvement.

CO4: To assess the impact of emerging technologies on logistics transparency and security, understanding how these innovations can be leveraged for supply chain optimization.

CO-PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	3			3		2		
CO2	3	3		3			3	
CO3	3	2		3			3	2
CO4			3	3				3

1=weakly related

2= moderately related

3=strongly related

Course Contents:

Module I: Fundamentals of Logistics Strategy

6 lecture hours

Introduction to logistics and supply chain management, The role of logistics in business strategy, Key drivers of logistics strategy, Aligning logistics strategy with business goals, Key performance indicators (KPIs) for logistics success

Module II: Strategic Logistics Planning

8 lecture hours

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Framework for strategic logistics planning, Demand forecasting and capacity planning
Transportation modes and their impact on logistics planning, Network design and optimization (warehousing and distribution), Outsourcing vs. in-house logistics: decision-making models

Module III: Cost Management and Financial Strategies **6 lecture hours**

Cost structures in logistics and transportation, Strategies for cost reduction and efficiency improvement, Logistics budgeting and investment decisions, Risk management in logistics cost planning

Module IV: Technology and Innovation in Logistics Strategy **10 lecture hours**

Role of digital transformation: AI, IoT, and big data analytics, E-commerce logistics: last-mile delivery strategies, Sustainable logistics practices and green supply chain strategies, Blockchain and its impact on supply chain transparency, Ethical and regulatory considerations in global logistics, Case studies

Text Books:

1. Christopher, M. (2016). Logistics and Supply Chain Management (5th ed.). Pearson.
2. Christopher, M. (2022). Logistics and supply chain management. Pearson Uk.

Reference Books:

- Smith, J. (2021). Logistics documentation system: A comprehensive guide. Logistics Press.
- Brown, T., & Green, M. (Eds.). (2020). Advances in global logistics and supply chain management. Global Business Press.
- Anderson, P. (2019). Supply chain management and logistics: A practical approach. Logistics Publications.

Articles, case studies, and reports provided throughout the course.

Assessment Scheme:

Components	Internal Assessment	Mid Term Exam	End Exam	Total
Weightage (%)	40%	20%	40%	100%

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