

# Course Outcome Master of Business Administration (MBA)

(Semester 60-40 pattern)

(w.e.from A.Y. 2024-25)

Department of MBA

**School of Management Studies** 

KCES'S Institute of Management and Research, Jalgaon (Autonomous)

# <u>SEMESTER: I</u> MBA-DSC-511 Management Science

CO1	Understand core management concepts and analyze the evolution of
	management approaches.
CO2	Utilize principles of planning and organizing in management scenarios
CO3	Apply staffing techniques, understand coordination strategies, and
	evaluate decision-making processes.
CO4	Identify the principles of directing and controlling in various management
	contexts, and understand recent management trends
<b>CO5</b>	Compare global management styles and apply modern tools like TOWS
	matrix and benchmarking
CO6	Analyze and evaluate the impact of digital transformation on modern
	business models

# **MBA-DSC-512 Managerial Economics**

CO1	<b>Describe</b> the Key concepts of Managerial Economics and the role of managerial
	economist
CO2	Analyze the factors influencing demand and supply to make informed production
	and pricing decisions
CO3	Apply the economic laws related to demand, supply and production for business
	decision making
CO4	Identify Cost and Revenue Relationships in short run and long run
CO5	Classify various Market structures and assess its impact on pricing decisions
CO6	<b>Develop</b> Pricing strategies and policies based on different products

# MBA-DSC-513 - Organizational Behavior

CO1	<b>Define</b> various concepts in Organizational Behavior
CO2	<b>Focus</b> on improvement of the individual attributes and <b>articulate</b> the process of group development
CO3	Practice cordial Interpersonal Relationship
CO4	Apply appropriate techniques of Motivation
CO5	Administer power tactics to deal with organizational politics
CO6	Assess work stress and devise Stress management techniques

## **MBA-DSC-514 Business Accounting**

CO1	Memorize key accounting concepts, principles, and conventions.
CO2	<b>Demonstrate</b> the process of journalizing the transactions, ledger Posting and preparing the Trial Balance
CO3	<b>Prepare</b> Proprietors Final Accounts considering various adjustments
CO4	Differentiate between various elements of cost
CO5	Prepare Cost Sheet
CO6	Reconcile the Profits of Cost & Financial Records

## **MBA-DSC-515 Business Communication**

CO1	Understand the principles and concepts of business communication.
CO2	<b>Develop</b> and apply effective communication strategies for various stakeholders.
CO3	<b>Demonstrate</b> proficiency in business writing and presentation skills
CO4	Utilize digital tools and platforms for business communication.
CO5	Analyze the role of communication in organizational success and crisis management
CO6	Utilize SEO techniques for effective content creation

## **MBA-DSC-516 AI Basics for Managers**

CO1	<b>Recall</b> and <b>explain</b> fundamental concepts of Artificial Intelligence.
<b>CO2</b>	<b>Describe</b> the applications of AI in various business contexts.
CO3	<b>Understand</b> the basics of Machine learning and role of data in AI.
CO4	<b>Apply</b> AI principles to develop a strategic plan for integrating AI into business operations.
CO5	Analyze business data using AI tools to evaluate decision-making processes
C06	Evaluate the ethical implications of AI deployment

# **MBA-DSE-517 A Management of Services**

CO1	<b>Understand</b> the foundational concepts of service management.
CO2	Analyze the unique challenges and opportunities in managing services.
CO3	<b>Develop</b> strategies for service quality improvement and customer satisfaction
CO4	Utilize technology and innovation in enhancing service delivery
CO5	<b>Apply</b> service marketing principles to drive business success
C06	<b>Evaluate</b> the ethical and societal implications of service management practices

# **MBA-DSE-517 B Operation Management**

CO1	Understand the concept of operation Management.
CO2	Explain Product & Service Design.
CO3	Analyze factors determining capacity planning & Facility layout.
CO4	Get <b>knowledge</b> about various quality standards & methods of inventory
	management.
<b>CO5</b>	<b>Evaluate</b> logistics & distribution networks.
CO6	<b>Describe</b> advanced concepts in production and operations management.

# MBA-RM-518 Research Methodology

CO1	<b>Understand</b> the basics of Research methodology.
CO2	Formulate research problem
CO3	Prepare research design.
CO4	Collect and interpret Qualitative and quantitative data
CO5	Apply SPSS for hypothesis testing
CO6	Report and present research findings

## **SEMESTER: II**

# MBA-DSC-521 Business Ethics & Corporate Governance

CO1	Acquire conceptual understanding of Business Ethics
CO2	Understand ethical issues in functional areas of management
CO3	Analyze and apply CSR Principles & Strategies
CO4	Plan and execute CSR activities in organization
CO5	Acquire conceptual understanding of Corporate Governance
CO6	Evaluate Corporate Governance Practices

# MBA-DSC-522 Indian Economy and Policies

CO1	<b>Explain</b> the concept and indicators of Economic Growth and Development
CO2	<b>Describe</b> the structure and features of the Indian economy and assess trends in
	national income.
CO3	<b>Identify</b> the issues related Planning, Growth & Development and Unemployment in
	the Indian Economy
CO4	Evaluate macroeconomic policies such as fiscal, monetary, and their role in
	macroeconomic stability in India
CO5	<b>Identify</b> assess the role of public and private sectors and the process of
	privatization in the Indian economy.
C06	Analyze the impact of globalization on the Indian economy and explain India's role
	in the WTO.

## MBA- DSC-523 Human Resource Management

CO1	<b>Describe</b> HRM, its functions and practices
CO2	<b>Explain</b> Human Resource Procurement process.
CO3	<b>Prepare</b> for Career Development and Succession Planning.
<b>CO4</b>	Administer performance Appraisal system and
CO5	<b>Plan</b> and <b>Organize</b> employee training, and executive development programs
CO6	Interpret and Connect with other Practices of Human Resource
	Management

# MBA- DSC-524 Marketing Management

CO1	<b>Understand t</b> he foundational concepts and principles of marketing.
CO2	Analyze market environments and consumer behavior to identify
	opportunities and threats.
CO3	Apply marketing strategies to different business contexts.
CO4	<b>Develop</b> effective product, pricing, and distribution strategies.
CO5	Utilize digital marketing tools and techniques.
CO6	<b>Evaluate</b> the ethical and social implications of marketing decisions.

## **MBA-DSC-525 Financial Management**

CO1	<b>Describe</b> and recall basic financial management concepts, including financial
	statement analysis, working capital management, and budgetary controls.
<b>CO2</b>	<b>Explain</b> detailed theoretical concepts across the syllabus, demonstrating an
	understanding of key financial principles.
CO3	Apply the learned concepts through calculations and problem-solving in
	financial scenarios.
CO4	Analyze financial statements and situations to find effective solutions
CO5	<b>Evaluate</b> the impact of financial decisions on the overall financial position of
	an organization.
CO6	<b>Develop</b> effective financial strategies that align with organizational goals and
	enhance value creation.

## **MBA-DSC-526 Business Statistics and Analytics**

CO1	<b>Explain</b> the significance of different measures of central tendency and dispersion in
	summarizing data distributions
CO2	Apply correlation, regression and index numbers calculations to real-world datasets
	to make predictions
CO3	Formulate null and alternative hypotheses for different research scenarios and
	specify the appropriate statistical test to use
CO4	Evaluate different scenarios and their effects on project completion in CPM and
	PERT as well as the optimal solution in LPP
CO5	<b>Explain</b> the evolution of business analytics and the growing need for analytics in
	decision-making
CO6	<b>Describe</b> how business analytics software's' features support data analysis and
	decision-making

#### MBA-DSE-527A: Entrepreneurship & Start-up Ecosystem

CO1	Understand the entrepreneurial role and mindset.
CO2	Identify creative ideas & decision making strategies.
CO3	Assessing new concepts in Entrepreneurship
CO4	<b>Understand</b> key components of the start-up ecosystem and how to leverage them for success.
CO5	<b>Gain</b> practical skills in business model development, funding acquisition, and start-up scaling.
CO4	<b>Explain</b> the concept of Family business.

## **MBA-DSE-527 B Sustainability Development**

CO1	Understand the basics of Sustainability Management
CO2	Formulate the design and technology application to forecast technology.
CO3	Understand Air pollution and Dispersion
CO4	Apply techniques for low Carbon infrastructure
CO5	Study wastewater sampling and treatment
CO6	Study and Understand Solid waste Management

## MBA-DSE-527C SWAYAM/NPTEL/ MOOC Course

## **Course Objectives:**

- 1. To provide access to the best teaching and learning resources to all, including the most disadvantaged.
- 2. To create suitable content for courses up to the post-graduate level.
- 3. To offer certification for online learning.
- 4. To address the needs and concerns of students studying in universities and colleges.
- 5. To bridge the digital divide and make online learning accessible to all.

## MBA-FP-528 Field Project

CO1	<b>Recall</b> survey research concepts, sampling strategies, and statistical techniques.
CO2	<b>Explain</b> the processes of designing and conducting surveys.
CO3	<b>Apply</b> research methodologies to design and execute a survey-based project.
CO4	Analyze survey data using statistical tools to identify insights.
CO5	Evaluate the effectiveness of survey design and methods.
CO6	<b>Create</b> a report and presentation with actionable business recommendations.

## **SEMESTER: III**

# MBA-DSC-631 Strategic Management

CO1	<b>Understand</b> basic concepts and the evolution of strategic management.
CO2	<b>Apply</b> tools like SWOT, PESTEL, and organizational appraisal for strategic analysis.
CO3	Analyze strategic alternatives using portfolio models and industry frameworks.
<b>CO4</b>	Understand the practical challenges and approaches in strategy implementation.
CO5	<b>Evaluate</b> the effectiveness of strategies using control mechanisms and techniques.
CO6	Interpret strategic management concepts through real-world Indian case lets.

## MBA-DSC-632 Business Law

CO1	<b>Explain</b> the fundamental legal concepts related to the business law
CO2	Interpret the provisions of the Indian Contract Act related to the formation,
	discharge, and breach of contracts.
CO3	<b>Analyze</b> the rights and duties of buyers and sellers under the Sale of Goods Act.
<b>CO4</b>	<b>Describe</b> the characteristics, types, and parties of negotiable instruments and relevant legal implications.
CO5	<b>Recognize</b> the importance and components of intellectual property rights relevant to business.
CO6	Apply legal knowledge to address basic issues related to contracts, goods
	transactions, instruments, and intellectual property in a business context.

# MBA-DSE-633A Banking and Investment Management

CO1	<b>Explain</b> the structure, functions, and emerging trends across banking and
	investment sectors.
CO2	<b>Describe</b> the Indian banking system, credit mechanisms, digital payments,
	and regulatory aspects.
CO3	<b>Compare</b> various investment avenues based on risk, return, and liquidity.
CO4	Analyze the functioning of financial and commodity markets, including
	key institutions and indices.
CO5	<b>Interpret</b> the features and performance of insurance and mutual fund
	schemes.
CO6	Apply techniques of security analysis and portfolio management to
	investment decisions.

## **MBA-DSE-634A Income Tax**

CO1	<b>Understand</b> key income tax terms such as assessment year, exempt income,
	PAN, residential status etc.
CO2	Compute taxable income under the head Salaries by analyzing allowances,
	perquisites and deductions
CO3	Apply provisions of the Income Tax Act to determine income from self-occupied
	and let-out house properties
<b>CO4</b>	Evaluate allowable and disallowable expenses to accurately compute taxable
	income under the head Profits and Gains of Business or Profession
CO5	Determine taxable capital gains by applying the rules for Short Term and Long
	Term asset transfers.
CO6	Develop a complete tax computation integrating all income heads including
	Income from other Sources

# MBA-DSE-635A Strategic Financial Management

CO1	<b>Identify</b> between various long-term and short-term sources of finance and compute the cost of capital
CO2	<b>Analyze</b> capital structure and leverages to evaluate organization's financial decisions.
CO3	<b>Apply</b> capital budgeting techniques to evaluate investment proposals.
CO4	<b>Evaluate</b> dividend policies to understand their impact on organization's valuation.
CO5	<b>Assess</b> causes of corporate sickness and formulate effective turnaround strategies.
CO6	<b>Critically</b> analyze Mergers and Acquisitions including post-merger integration

## MBA-DSE-636A International Financial Management

CO1	<b>Explain</b> the scope of international financial management and compare
	domestic vs. international financial operations.
CO2	Analyze foreign exchange market structures, determine exchange rates
	using forecasting models and understand derivative instruments
CO3	Interpret IFRS, Ind-AS 1 and understand key transfer pricing issues.
CO4	Apply international payment systems to support foreign trade and
	evaluate the role of Eurocurrency markets as well as depository receipts.
CO5	<b>Describe</b> the role of IMF and assess its funding mechanisms towards
	international liquidity.
CO6	Analyze India's balance of payment components and examine its
	relationship with exchange rates and money supply.

# $MBA\text{-}DSE\text{-}633B\ Consumer\ Behavior\ and\ Marketing\ Research$

CO1	<b>Describe</b> the basic concepts of consumer value, satisfaction, and retention.
<b>CO2</b>	Analyze buyer behavior and cultural/social influences on decisions
<b>CO3</b>	<b>Understand</b> the psychological processes like perception, learning, and attitude formation.
<b>CO4</b>	Apply marketing research processes and tools in consumer behavior analysis
CO5	Evaluate qualitative and quantitative research techniques.
СО6	<b>Conduct</b> basic consumer research and interpret findings for marketing decisions.

## MBA-DSE-634B Product and Brand Management

CO1	Understand core concepts of product and brand management, including product life
	cycle, new product development, agile practices, and branding foundations.
CO2	Analyze product and brand strategies using frameworks for positioning, differentiation,
	and innovation, with emphasis on Indian and global contexts.
CO3	Apply models like Keller's and Aaker's to build brand identity, equity, and messaging
	across digital and traditional media platforms.
CO4	<b>Evaluate</b> brand architecture, brand portfolio management, and co-branding strategies
	through real-world case studies of Indian conglomerates.
CO5	<b>Develop</b> integrated product and branding strategies by leveraging digital tools,
	customer insights, design thinking, and ethical branding principles.
CO6	Assess the effectiveness of brand equity measurement, internal branding, and legal,
	sustainable, and AI-driven approaches to modern brand management.

## MBA-DSE-635B Sales and Distribution Management

CO1	Understand the role, objectives, and process of sales management.
CO2	<b>Explain</b> how to train, motivate, and evaluate the sales force.
CO3	Apply the principles of sales planning including quotas and territories
<b>CO4</b>	Analyze marketing channels and the functions of intermediaries
CO5	Evaluate logistics and distribution decisions in channel performance
CO6	Recognize emerging technologies in sales and distribution

CO1	Understand the fundamentals and evolution of digital marketing
CO2	Explain and apply digital marketing tools such as SEO, SEM, and social media
CO3	<b>Develop</b> a simple digital marketing plan for a product or service.
<b>CO4</b>	Analyze content strategies for engagement and conversions
CO5	Interpret key digital metrics for campaign effectiveness.
CO6	Understand emerging trends and ethical aspects in digital marketing

# MBA-DSE-633C Labour Welfare and Compensation Management

CO1	<b>Define</b> and <b>explain</b> labour welfare concepts and welfare officer roles.
CO2	Analyze employee participation and empowerment mechanisms.
CO3	Apply key concepts in designing a compensation system.
CO4	Interpret job evaluation processes and techniques.
CO5	Summarize wage administration methods and wage differentials.
C06	<b>Identify</b> incentive plans, fringe benefits, and social security provisions.

## MBA-DSE-634C Organizational Leadership Change & Development

CO1	Understand the context and utility of leadership.
CO2	<b>Apply</b> leadership theories in various organizational settings and decision-making processes
CO3	Evaluate leadership behavior in multicultural teams and ethical contexts.
CO4	<b>Explore</b> evolving leadership approaches and skills required to lead effectively in a VUCA world.
CO5	Manage change successfully
CO6	Implement Organizational interventions for Development of organization.

# MBA-DSE-635C Strategic Human Resource Management

CO1	Understand SHRM and its strategic role.
CO2	Analyze HR strategies for value creation.
CO3	Apply strategic staffing and separation practices.
CO4	<b>Design</b> jobs and organizational structures.
CO5	<b>Evaluate</b> performance systems and global HR issues.
CO6	Use HR technologies and innovations strategically.

## MBA-DSE-636C Labour Laws and Industrial Relations

CO1	<b>Understand</b> the provisions of The Factories Act and their application in
	employee welfare.
<b>CO2</b>	Analyze wage legislations and their role in safeguarding employee
	remuneration rights.
CO3	<b>Examine</b> the framework of social security legislation and its importance
	in employee safety.
CO4	Understand the principles of industrial relations and employee
	discipline.
<b>CO5</b>	<b>Evaluate</b> the Industrial Disputes Act and other related acts in resolving
	workplace conflict.
C06	<b>Demonstrate</b> the process of grievance handling and collective bargaining
	in organizations.

# MBA-DSE-633D World Class Manufacturing & Process Management

Understand the recent trends in manufacturing.
<b>Demonstrate</b> the relevance and basics of World Class Manufacturing.
Analyze the innovative ways adopted in manufacturing.
Understand the safety measures followed in production units.
<b>Evaluate</b> various process management tools and techniques used to improve manufacturing performance.
Apply maintenance and technology transfer strategies to enhance manufacturing efficiency and sustainability.

# MBA-DSE-634D Management of Technology

<b>Understand</b> the fundamentals of technology development, sources and types of
technology, and their strategic implications in business environments.
Analyze how competitive advantage is achieved through new technologies,
including the roles of R&D, government policies, and intellectual property
management.
Apply methods of technological forecasting and assessment to support innovation
and effective technology acquisition.
Formulate and evaluate technology strategies including aspects like diffusion,
absorption, financial planning, and project management.
Assess the human factors in technology management, focusing on integration of
people with technology, leadership, and organizational change.
<b>Examine</b> the broader social and environmental impacts of technology, including its
influence on industrial relations and ecological sustainability.

# MBA-DSE-635D Global Supply Chain Management and International Logistics

CO1	<b>Understand</b> the foundational concepts, structure, and evolution of supply
	chain management and its integration challenges.
CO2	<b>Explain</b> the scope of logistics and its role in domestic and global supply
	chain excellence.
CO3	Analyze strategic alliances, including 3PL/4PL, and their impact on supply
	chain partnerships.
CO4	Evaluate warehousing and material handling systems in terms of design,
	cost, and logistics efficiency.
CO5	Assess human-technology integration in supply chains, emphasizing
	leadership and change management.
CO6	<b>Examine</b> customer service and demand management to develop strategies
	for enhancing competitiveness.

## **MBA-DSE-636D Operations Research**

CO1	<b>Understand</b> the origin, scope, features, and limitations of Operations Research in managerial decision-making.
CO2	<b>Formulate</b> and solve Linear Programming Problems using graphical and simplex methods.
CO3	Apply transportation model techniques to find optimal distribution solutions.
CO4	<b>Solve</b> assignment problems using the Hungarian method and compare with transportation models.
CO5	<b>Apply</b> decision theory and game theory for decision-making under risk, uncertainty, and competition.
CO6	<b>Analyze</b> and solve inventory management problems using deterministic models like EOQ and EBQ.

## MBA-DSE-633E System Analysis and Design

CO1	<b>Describe</b> fundamental concepts of systems, the role of a systems analyst, and
	various models of the System Development Life Cycle (SDLC)
CO2	Explain system requirements gathering techniques, feasibility analysis, and
	system documentation methods.
CO3	<b>Apply</b> system analysis tools like Data Flow Diagrams (DFD), Entity-Relationship
	Diagrams (ERD), and Use Case modeling for system development
CO4	Analyze system design requirements to develop efficient user interfaces,
	database structures, and system architectures.
CO5	<b>Evaluate</b> system implementation, testing methodologies, and maintenance plan
CO6	Evaluate and apply advanced system development approaches

## MBA-DSE-634E - IT Asset Management

CO1	Understand the basics of IT Asset Management.
CO2	Identify the key roles of IT managers.
CO3	<b>Describe</b> the Tools and Process of IT Asset Management
CO4	<b>Demonstrate</b> the fundamentals of Software Asset Management and HAM.
CO5	<b>Demonstrate</b> the fundamentals of Hardware Asset Management.
CO6	<b>Describe</b> the concepts SEAM and PINAM.

## MBA-DSE-635E - RDBMS using SQL Server

CO1	Remember concepts of RDBMS and data modeling techniques.
CO2	<b>Understand</b> normalization techniques to improve database design.
CO3	Apply SQL knowledge to design relational databases.
CO4	<b>Demonstrate</b> data manipulation techniques on database tables.
CO5	Analyze data and perform complex queries in SQL.
CO6	Manage database transactions, security, and integrity constraints.

## MBA-DSE-636E Web Designing using HTML, CSS & Java Script

CO1	Understand the basic structure of HTML and apply fundamental tags to create
	simple web pages
CO2	<b>Design</b> and implement tables, hyperlinks, and graphic elements in web pages
CO3	<b>Develop</b> interactive forms using HTML form elements to capture and process user
	inputs efficiently
CO4	Utilize Bootstrap framework features to enhance the design and styling of web
	components
CO5	Apply Cascading Style Sheets (CSS) for consistent and attractive designs
CO6	<b>Develop</b> web pages using JavaScript

## **MBA-DSE-633F Data Science**

CO1	<b>Understand</b> the basic concepts and importance of Data Science.
CO2	Identify and collect simple data sets for analysis.
CO3	Organize and clean data using basic tools and techniques.
CO4	<b>Create</b> simple charts and graphs to explore and present data.
CO5	<b>Describe</b> basic patterns and trends in data and share findings in a clear manner.
CO6	<b>Develop</b> and <b>present</b> data visualizations effectively using Excel or Python.

# MBA-DSE-634F Big Data Analytics

CO1	<b>Understand</b> the fundamental concepts, characteristics, and tools of Big Data.
CO2	<b>Describe</b> Big Data storage systems, processing techniques, and scalability concepts
CO3	<b>Apply</b> statistical techniques to explore and analyze Big Data for decision-making.
CO4	<b>Analyze</b> business problems and apply Big Data for analytical decision-making across industries.
CO5	<b>Utilize</b> Big Data tools and data visualization techniques to present analytical results.
CO6	<b>Explain</b> predictive modeling and assess the strategic role of Big Data in business decisions.

## MBA-DSE-635F Tableau

CO1	Understand the fundamentals of data visualization and navigate Tableau's
	interface, products, and data connection features.
CO2	Prepare and transform datasets in Tableau using data types, joins, hierarchies,
	Tableau Prep, and cleaning operations.
CO3	<b>Create</b> effective visualizations using basic and advanced charts, calculated fields,
	filters, and formatting techniques.
CO4	Design interactive dashboards using actions, KPIs, layout best practices, and
	performance optimization techniques.
CO5	Analyze functional business problems using Tableau applications and real-world
	case studies.
C06	<b>Publish</b> and share Tableau reports effectively while exploring Tableau Public and
	career opportunities.

# MBA-DSE-636F Business Analytics using R

CO1	<b>Understand</b> the fundamental concepts, evolution, and significance of
	Business Analytics in organizations.
CO2	<b>Apply</b> analytical decision-making processes to break down business
	problems into analytical questions.
CO3	Demonstrate proficiency in using R programming for data handling,
	exploration, and transformation.
CO4	Utilize data structures and perform basic statistical analyses and
	hypothesis testing in R.
CO5	Conduct hypothesis testing and perform Exploratory Data Analysis
	(EDA) using R tools.
CO6	<b>Develop</b> and <b>customize</b> data visualizations in R to communicate
	business insights effectively.

# MBA-DSE- 633G Epidemiology in Medical and Health Systems Management

CO1	<b>Explain</b> the principles, evolution, scope, and applications of epidemiology in analyzing disease patterns and public health achievements.
CO2	<b>Measure</b> and interpret health and disease indicators using mortality, morbidity, and other population health metrics.
CO3	<b>Differentiate</b> between epidemiological study types and analyze potential errors and biases in studies.
CO4	<b>Apply</b> epidemiological concepts in preventing, investigating, and controlling communicable and non-communicable diseases.
CO5	<b>Evaluate</b> diagnostic tests, prognostic data, and evidence-based clinical epidemiology in relation to environmental exposures and occupational risks.
CO6	<b>Utilize</b> epidemiological evidence in health policy-making, health planning, and program evaluation.

## MBA-DSE- 634G Healthcare Services and Operation management

CO1	<b>Understand</b> the structure, classification, and functioning of hospitals and the
	scope of hospital operations management.
CO2	<b>Demonstrate</b> knowledge of medical record documentation, patient
COZ	admission-discharge processes, and biomedical equipment maintenance.
CO3	Analyze the layout and service delivery mechanisms of clinical, diagnostic,
COS	and nursing departments in hospitals.
CO4	Apply hospital statistics for operational evaluation and understand national
CO4	health program indicators.
CO5	<b>Examine</b> the role of operations research in optimizing hospital systems
COS	including wait times and managerial decisions.
C06	<b>Evaluate</b> hospital purchase operations and inventory management practices
COO	including HIS integration.

## MBA-DSE- 635G Total Quality Management in Healthcare

CO1	<b>Understand</b> the key quality concepts, terminologies, and frameworks of Total
	Quality Management (TQM) in healthcare systems.
CO2	<b>Examine</b> the roles of ISO, NABH, JCI, and other accreditation systems and quality
	committees in hospitals.
CO3	<b>Evaluate</b> processes like quality audits, quality circles, and performance evaluations
	in hospitals.
<b>CO4</b>	Apply tools and techniques such as flowcharts, Pareto charts, fishbone diagrams,
	and benchmarking for quality improvement.
CO5	<b>Design</b> and manage quality strategies, policies, and business process reengineering
	in healthcare organizations.
CO6	<b>Develop</b> and implement quality training programs based on organizational needs
	and quality goals.

# MBA-DSE- 636G Hospital Safety and Waste Management

CO1	<b>Evaluate</b> the technical and operational aspects of hospital fire safety and
	physical security systems.
CO2	<b>Understand</b> the structure, preparedness, and execution of hospital disaster
	management plans.
CO3	Assess the legal, regulatory, and policy frameworks surrounding hospital
	safety and waste management.
CO4	Identify, classify, and implement appropriate hospital waste handling,
	treatment, and disposal techniques.
CO5	<b>Develop</b> strategies for infection control, safe injection practices, and
	hospital-acquired infection prevention.
CO6	<b>Design</b> comprehensive waste management and safety training programs in
	compliance with national health accreditation standards.

## **MBA-DSE-633H International Business Environment**

CO1	<b>Describe</b> the nature and trends of international business in the era of digital globalization.
CO2	Apply classical and contemporary trade theories to analyze trade and investment flows.
CO3	<b>Evaluate</b> global business environments including political risk, socio-cultural diversity, and regulatory frameworks.
CO4	<b>Formulate</b> sustainable and ethical international business strategies across functions.
CO5	<b>Examine</b> the role and impact of WTO, FTAs, and global institutions in shaping business opportunities.
C06	<b>Solve</b> real-world international business challenges using case-based analysis and negotiation tools.

## MBA-DSE-634H Export and Import Management

CO1	<b>Describe</b> the role and evolving trends in export-import operations including ecommerce and digital trade.
CO2	<b>Apply</b> procedural knowledge of registration, compliance, customs, and incentives in EXIM management.
CO3	<b>Interpret</b> and <b>prepare</b> key international trade documents using modern digital systems.
<b>CO4</b>	<b>Evaluate</b> import planning strategies, procurement methods, and forex regulatory frameworks.
<b>CO5</b>	Analyze India's EXIM policy, FTAs, and export potential across sectors and services.
CO6	<b>Assess</b> the role of key trade institutions and technologies in enabling sustainable and efficient trade.

# MBA-DSE-635H Global Supply Chain Management and International Logistics

CO1	<b>Understand</b> the foundational concepts, structure, and evolution of supply
	chain management and its integration challenges.
CO2	<b>Explain</b> the scope of logistics and its role in domestic and global supply
	chain excellence.
CO3	<b>Analyze</b> strategic alliances, including 3PL/4PL, and their impact on supply
	chain partnerships.
CO4	Evaluate warehousing and material handling systems in terms of design,
	cost, and logistics efficiency.
CO5	Assess human-technology integration in supply chains, emphasizing
	leadership and change management.
CO6	Examine customer service and demand management to develop strategies
	for enhancing competitiveness.

## **MBA-DSE-636H International Financial Management**

CO1	<b>Explain</b> the scope of international financial management and compare
	domestic vs. international financial operations.
CO2	Analyze foreign exchange market structures, determine exchange rates
	using forecasting models and understand derivative instruments
CO3	<b>Interpret</b> IFRS, Ind-AS 1 and understand key transfer pricing issues.
CO4	Apply international payment systems to support foreign trade and
	evaluate the role of Eurocurrency markets as well as depository receipts.
CO5	<b>Describe</b> the role of IMF and assess its funding mechanisms towards
	international liquidity.
CO6	Analyze India's balance of payment components and examine its
	relationship with exchange rates and money supply.

# MBA-OJT-637 OJT/SIP

CO1	<b>Demonstrate</b> an understanding of professional work environments,
	organizational structures, and workplace culture.
CO2	Apply classroom knowledge to real-life business problems within the
	functional area of specialization.
CO3	Identify organizational challenges and develop practical, evidence-based
	solutions.
CO4	Communicate findings, insights, and recommendations effectively through
	reports and presentations.
CO5	Exhibit professional behavior, time management, and teamwork in a real-
	world setting.
CO6	Reflect on internship experiences to assess personal learning, skill
	development, and career preparedness

## **SEMESTER: IV**

# MBA-DSC-641 Design Thinking and Innovation Management

CO1	Understand the principles and process of design thinking.
CO2	Apply design thinking to solve business problems.
CO3	<b>Describe</b> the innovation function and evaluate innovation performance.
CO4	Identify innovation opportunities and formulate strategies.
CO5	Understand the process of new product development.
CO6	<b>Explain</b> the open innovation framework and intellectual property rights.

## MBA-DSC-642 Indian Commercial Law

CO1	<b>Explain</b> the fundamental legal concepts and frameworks applicable to Indian
	commercial law.
CO2	<b>Describe</b> the procedures for company formation, governance, and winding up
	under the Companies Act, 2013.
CO3	<b>Compare</b> the features, formation, and dissolution of LLPs with other business
	structures.
<b>CO4</b>	<b>Identify</b> the rights and responsibilities of consumers and available grievance
	redressal mechanisms.
CO5	Illustrate the scope and implications of IT Act and digital transaction
	regulations.
CO6	<b>Apply</b> commercial law knowledge to analyze legal issues using real-life business
	case scenarios.

# **MBA-DSC-643 Management Information System**

CO1	<b>Understand</b> the fundamental concepts Management Information Systems
CO2	<b>Explain</b> the processes involved in SDLC, and the creation of SRS while
	identifying barriers to successful MIS implementation.
CO3	Analyze and apply the use of Management Information Systems across key
	functional areas
CO4	<b>Evaluate</b> emerging trends and technologies and assess their impact on modern
	business operations and decision-making.
CO5	Assess the technological aspects, benefits, risks, ethical and security concerns related
	to E-Commerce and Electronic Payment Systems.
CO6	Apply MIS concepts through real-world case studies to design solutions for
	organizational problems and improve managerial decision-making.

## **MBA-DSE-644A Financial Derivatives**

CO1	Describe the basic concepts of financial derivatives.
CO2	<b>Explain</b> the structure, features, and hedging applications of forward and futures contracts.
CO3	<b>Identify</b> key option terminologies, types, pricing components, and basic trading strategies
<b>CO4</b>	<b>Illustrate</b> the trading mechanism of derivatives including entities, order types, and regulatory criteria.
CO5	<b>Assess</b> the clearing, settlement, margining, and risk management processes in derivatives markets.
CO6	<b>Interpret</b> the features, types, and functions of swaps in financial markets.

## MBA-DSE-645A Goods & Services Tax

CO1	Explain the need, structure and components of GST
CO2	Interpret and define basic GST terminology and Reverse Charge Mechanism.
CO3	<b>Apply</b> the registration procedures under GST and distinguish between different registration categories.
CO4	<b>Analyze</b> the concept of supply and valuation under GST and composition schemes.
CO5	Evaluate the eligibility and calculation of Input Tax Credit
CO6	Create compliant tax documents, make tax payments and file GST returns

## MBA-DSE-646A Case Studies in Financial Management

CO1	Interpret financial ratios to assess business health and analyze strategies for
	receivables management.
CO2	<b>Analyze</b> the implications of marginal costing for managerial decisions.
CO3	<b>Apply</b> capital budgeting techniques to evaluate investment proposals.
CO4	Apply techniques to manage the Cash and working capital efficiently
CO5	<b>Analyze</b> capital structure and leverages to evaluate organization's financial decisions.
CO6	<b>Evaluate</b> dividend policies to understand their impact on organization's valuation.

# MBA-DSE-644B International Marketing Management

CO1	<b>Explain</b> the scope and environment of international marketing.
CO2	Apply product strategies suited to global markets.
CO3	Evaluate pricing decisions and cost implications for international trade
CO4	Understand global promotion strategies and marketing communication.
CO5	Analyze international distribution decisions and logistics strategies
CO6	Describe export procedures and policy frameworks

## MBA-DSE-645B Retail Management

CO1	<b>Describe</b> the basic concepts and structure of the retail industry.
CO2	<b>Explain</b> retail consumer behavior and key strategies in merchandise and pricing.
CO3	Understand store management and supply chain integration in retail.
CO4	Analyze recent innovations and formats in Indian retailing.
CO5	Explain the forms of organized and unorganized retailing in India
CO6	<b>Discuss</b> current models of e-tailing and digital marketing strategies.

# MBA-DSE-646B Cases in Marketing

CO1	Analyze real-life marketing problems using structured frameworks.
CO2	<b>Integrate</b> marketing concepts across disciplines like branding, sales, and international marketing
CO3	<b>Evaluate</b> strategic options and recommend marketing solutions.
CO4	<b>Develop</b> critical thinking through analysis of case-based evidence.
<b>CO5</b>	Communicate findings and strategies effectively in both oral and written formats.
CO6	Apply data and insights to formulate actionable marketing recommendations.

# MBA-DSE-644C Performance Management & HR Analytics

CO1	Understand the concepts, principles, and importance of performance
	management systems.
CO2	<b>Demonstrate</b> the performance management cycle and its components, including
	planning, monitoring, counselling, and reward systems.
CO3	Identify and analyze high-potential employees and apply competency
	management techniques.
<b>CO4</b>	Identify ethical concerns and strategies in the application of performance
	management systems.
CO5	Apply HR analytics tools for decision-making and performance enhancement.
CO6	Analyze the strategic role of innovation and HR analytics in workforce planning
	and organizational growth

## **MBA-DSE-645C International HRM**

CO1	Examine the role of HRM in international context
CO2	Manage effectively HR functions across cultures
CO3	Identify role of HRM during International Joint Ventures
CO4	Adapt to Human Resource Practices w.r.t. International environment
CO5	Improve cordial Industrial Relations in the global context
CO6	Manage repatriation successfully

## **MBA-DSE-646C Case Studies in HRM**

CO1	Critically <b>analyze</b> HR cases to identify key problems and underlying causes.
CO2	<b>Apply</b> HR theories and tools to develop appropriate and practical solutions.
CO3	<b>Evaluate</b> multiple perspectives in HR decision-making for effective conflict resolution.
CO4	<b>Demonstrate</b> effective communication of case analysis outcomes in written and oral formats.
CO5	<b>Develop</b> ethical and professional judgment in handling HR issues.
C06	<b>Integrate</b> learning from case studies to enhance problem-solving and strategic HR management skills.

# MBA-DSE-644D Industrial & Productivity Management

<b>CO1</b>	<b>Understand</b> the role and growth of industrial engineering and globalization in improving
	productivity.
<b>CO2</b>	<b>Apply</b> work study techniques to analyze and improve workplace efficiency.
<b>CO3</b>	<b>Utilize</b> work measurement tools to assess and optimize job performance and ergonomics.
<b>CO4</b>	<b>Evaluate</b> productivity concepts, indices, and strategies for performance improvement.
CO5	<b>Analyze</b> and manage waste, scrap, and disposal operations to reduce resource wastage.
CO6	Apply constraint management techniques and TOC principles for capacity planning and
	bottleneck resolution.

# MBA-DSE-645D International Quality Management

CO1	Understand key concepts and importance of quality management.
CO2	<b>Explain</b> the Fork Model and administrative systems of quality management.
CO3	<b>Describe</b> quality assurance, control techniques, and their role.
CO4	Interpret major ISO quality standards and their applications.
CO5	<b>Apply</b> TQM tools like 5-S, quality circles, and process re-engineering
CO6	Implement Six Sigma and Kaizen for continuous quality improvement.

# **MBA-DSE-646D Case Studies in Operations Management**

CO1	<b>Identify and articulate</b> key problems in operational case scenarios.
CO2	<b>Develop</b> analytical and critical thinking skills for solving operations management problems.
CO3	<b>Assess</b> case situations from the perspective of key stakeholders and decision-makers.
CO4	<b>Evaluate</b> alternative solutions using operations management concepts and tools
CO5	<b>Recommend</b> feasible, practical solutions aligned with organizational goals.
C06	<b>Apply</b> decision-making frameworks to real-world business cases to improve operational outcomes.

# MBA-DSE-644E Cyber Security

CO1	<b>Describe</b> fundamental cybersecurity concepts and terminologies.
CO2	<b>Explain</b> various cyber threats, vulnerabilities, and attack vectors.
CO3	Apply cybersecurity principles to identify organizational security needs.
CO4	Analyze legal and ethical implications of cybersecurity
CO5	Evaluate organizational cybersecurity policies and controls.
CO6	<b>Design</b> a basic cybersecurity strategy or incident response plan for an organization.

# MBA-DSE-645E Machine Learning using Python

CO1	<b>Explain</b> core concepts, types, and applications of machine learning in business.
CO2	<b>Apply</b> model training, evaluation metrics, and regression algorithms to real-world datasets.
CO3	<b>Use</b> supervised and unsupervised learning techniques like classification, clustering, and ensemble methods.
<b>CO4</b>	<b>Analyze</b> model performance using bias-variance tradeoff, loss functions, regularization, and optimization techniques.
CO5	<b>Perform</b> data loading, cleaning, transformation, and aggregation using appropriate tools and techniques.
CO6	<b>Build</b> complete machine learning pipelines with preprocessed data using scikit-learn and interpret results effectively.

# MBA-DSE-646E Cloud Computing for Business

CO1	Recall and define fundamental cloud computing terms, including the three service
	models (IaaS, PaaS, SaaS) and the four deployment models (Public, Private, Hybrid,
	Multi-Cloud).
<b>CO2</b>	<b>Explain</b> the strategic business advantages of using cloud technology, such as the shift
	from CapEx to OpEx, improved scalability, and increased business agility.
CO3	Identify and select appropriate core cloud services (like compute, storage, and
	databases) to solve a given business problem or scenario.
<b>CO4</b>	Analyze the financial implications of different cloud pricing models and
	compare the total cost of ownership (TCO) of an on-premises solution versus a
	cloud-based one.
<b>CO5</b>	Evaluate the security and compliance aspects of a cloud strategy, and defend a
	recommendation based on the Shared Responsibility Model.
CO6	<b>Formulate</b> a high-level business case and design a basic migration plan for a company
	seeking to adopt cloud technology for competitive advantage.

# MBA-DSE-644F E-Commerce Analytics

CO1	<b>Describe</b> the scope, benefits, and technological framework of E-Commerce,
	including EDI and web-based systems
CO2	<b>Apply</b> analytics tools to collect, analyze, and interpret E-Commerce data for business
	insights
CO3	<b>Analyze</b> KPIs and performance metrics across various E-Commerce functions
CO4	<b>Evaluate</b> digital consumer behavior in B2C and B2B contexts.
CO5	Integrate analytics data from multiple platforms to support omnichannel E-
	Commerce strategies
C06	<b>Compare</b> SEO and SEM techniques and apply SEM tools to improve conversion and
	user experience.

# MBA-DSE-645F Machine Learning using Python

CO1	<b>Explain</b> core concepts, types, and applications of machine learning in business.
CO2	<b>Apply</b> model training, evaluation metrics, and regression algorithms to real-world datasets.
CO3	<b>Use</b> supervised and unsupervised learning techniques like classification, clustering, and ensemble methods.
<b>CO4</b>	<b>Analyze</b> model performance using bias-variance tradeoff, loss functions, regularization, and optimization techniques.
<b>CO5</b>	<b>Perform</b> data loading, cleaning, transformation, and aggregation using appropriate tools and techniques.
CO6	<b>Build</b> complete machine learning pipelines with preprocessed data using scikit-learn and interpret results effectively.

# MBA-DSE-646F Management Application of Business Analytics

CO1	<b>Apply</b> segmentation and product design analytics for effective marketing strategies.
CO2	<b>Analyze</b> customer behavior and retail data for informed retail decision-making.
CO3	<b>Implement</b> HR analytics for talent acquisition, retention, and organizational innovation.
CO4	<b>Utilize</b> web, social media, and text analytics tools to derive insights from unstructured data.
CO5	<b>Apply</b> text analytics tools to derive insights from unstructured data.
CO6	<b>Apply</b> financial and supply chain analytics using Python to optimize operational performance.

## MBA-DSE-644G Healthcare Ethics & Law

CO1	Understand the ethical foundations and legal frameworks governing the
	practice of healthcare and medicine.
CO2	Analyze legal and ethical concerns related to patient rights, negligence, and
	liability in healthcare practice.
CO3	Evaluate national healthcare policies and acts shaping ethical and legal
	standards in India.
<b>CO4</b>	Apply legal and ethical principles to public health issues, including consent,
	vaccinations, and abuse reporting.
<b>CO5</b>	<b>Examine</b> ethical challenges and professional responsibilities in workplace
	settings and record-keeping.
CO6	Critically assess modern bioethical dilemmas such as genetic engineering,
	abortion, and end-of-life care.

## MBA-DSE-645G Health Insurance & Medical Tourism

CO1	<b>Understand</b> the structure, benefits, and types of health insurance policies
	and systems in India.
CO2	Analyze legal provisions, fraud types, and policy clauses in health
	insurance.
CO3	Evaluate mechanisms, stakeholders, and policies governing the medical
	tourism industry.
CO4	<b>Examine</b> economic impacts, destinations, and factors influencing medical
	tourism.
<b>CO5</b>	<b>Design</b> solutions that integrate ethical, sustainable, and effective service
	delivery in both insurance and tourism.
C06	Assess emerging issues such as surrogacy, hospital-borne diseases, and
	environmental concerns in medical tourism.

# MBA-DSE-646G Marketing of Healthcare and Medical Devices

CO1	Understand the basic concepts of medical devices and IVDs, product
	development, quality standards, and ethical considerations.
<b>CO2</b>	Analyze harmonization initiatives and marketing requirements for medical
	devices across international markets.
<b>CO3</b>	<b>Understand</b> the country-specific regulatory approval processes for medical
	devices in India, US, EU, Japan, and ASEAN.
<b>CO4</b>	<b>Explain</b> the structure and role of clinical evaluation, post-marketing
	surveillance, and device identification mechanisms.
<b>CO5</b>	<b>Apply</b> knowledge of global digital marketing, brand building, and CRM strategies
	in healthcare and medical device sectors.
CO6	<b>Evaluate</b> the role of international bodies (e.g., IMDRF) and quality frameworks
	in enhancing global regulatory compliance

# MBA-DSE-644H International Marketing Management

CO1	<b>Explain</b> the scope and environment of international marketing.
CO2	Apply product strategies suited to global markets.
CO3	Evaluate pricing decisions and cost implications for international trade
CO4	Understand global promotion strategies and marketing communication.
CO5	Analyze international distribution decisions and logistics strategies
CO6	Describe export procedures and policy frameworks

## **MBA-DSE-645H International HRM**

CO1	<b>Examine</b> the role of HRM in international context
CO2	Manage effectively HR functions across cultures
CO3	Identify role of HRM during International Joint Ventures
CO4	Adapt to Human Resource Practices w.r.t. International environment
CO5	Improve cordial Industrial Relations in the global context
CO6	Manage repatriation successfully

## MBA-DSE-646H Cases in International Business Management

CO1	Analyze real-life marketing problems using structured frameworks.
CO2	<b>Integrate</b> marketing concepts across disciplines like branding, sales, and international marketing
CO3	<b>Evaluate</b> strategic options and recommend marketing solutions.
<b>CO4</b>	<b>Develop</b> critical thinking through analysis of case-based evidence.
<b>CO5</b>	Communicate findings and strategies effectively in both oral and written formats.
CO6	Apply data and insights to formulate actionable marketing recommendations.

# MBA-RP-647 Research Project

CO1	<b>Identify</b> and define a real-life business research problem with appropriate objectives and hypotheses
CO2	<b>Conduct</b> a comprehensive literature review and develop a strong conceptual framework.
CO3	<b>Design</b> suitable research methodology including sampling, tools, and techniques
CO4	<b>Collect</b> and <b>analyze</b> data using appropriate statistical tools and interpret the results.
CO5	Prepare a structured and academically sound research report.
CO6	<b>Effectively</b> communicate and defend research findings through oral presentation and viva-voce.