



COSMOPOLITAN'S
VALIA C.L. COLLEGE OF COMMERCE & VALIA L.C. COLLEGE OF ARTS
D.N.Nagar, Andheri (West), Mumbai 400 053

**PROGRAM OUTCOMES, PROGRAM
SPECIFIC OUTCOMES & COURSE
OUTCOMES**

**B.Com, B.Com (A&F), B.M.S,
BAMMC, BSc. IT , BSc. DS,
M.Com , MSc.IT**

**PROGRAM- Bachelors of
Commerce**

PROGRAM CODE: 22300001

PROGRAM OUTCOMES

PO1

Critical Thinking

PO2

Effective Communication

PO3

Social Interaction

PO4

Effective Citizenship

PO5

Ethics

PO6

Environment and Sustainability

PO7

Self-Directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES



SEMESTER I

Course: Foundation Course -I

COURSE OUTCOMES
CO-1 Describe some important features of society and its structure with special reference to India.
CO-2 Understand and explain the different features of life in Indian Society.
CO-3 Examine some crucial aspects of life in India
CO-4 Compare and contrast different aspects of life in Indian society
CO-5 Critically evaluate the importance of crucial values in a society
CO-6 Formulate approaches to resolve various issues faced by Indian society

Course: Business Communication I

COURSE OUTCOMES
CO-1 Define and outline the process of communication
CO-2 Explain the various channels, modes and methods of communication
CO-3 - Implement/demonstrate the communication techniques and etiquette learnt in personal life and at the workplace
CO-4 - Analyse the various obstacles of communication
CO-5 Evaluate the various communication channels
CO-6 Plan communication scenarios involving effective communication skills (listening, speaking and writing)

Course: Environmental Studies - I

COURSE OUTCOMES
CO-1 Define environment and different concept of environment
CO-2 Review the systems of environment and importance of components of environment
CO-3 Examine the main reasons behind environment degradation and problems like pollution
CO-4 Inspect the impact of human activity on environment
CO-5 Evaluate the concept of smart cities a step to prevent environmental problems
CO-6 Construct modern solutions for sustainable development and environmental protection

Course: Commerce I

COURSE OUTCOMES
CO-1 Define concepts of business and entrepreneurship
CO-2 Understand and explain the importance of Business objectives, Business environment, Project Planning, Entrepreneurship
CO-3 Examine the various concepts associated with Business structuring, LPG,
CO-4 Compare and Contrast different business strategies and influence of various Internal and External Business environment forces
CO-5 Evaluate the effectiveness of WTO, Trading Blocs, Government Incentives for promoting Indian Business
CO-6 Develop business idea

Course: Accountancy & Financial Management –I

COURSE OUTCOMES
CO-1 List down various accounting standards issued by the ICAI, outline the format of final accounts of manufacturing concern.
CO-2 Classify the receipts and payments as capital and revenue and understand accounting rules and methods for hire purchase and departmental accounts.
CO-3 Apply the methods for accounting of manufacturing concern, hire purchase transactions and prepare departmental accounts.
CO-4 Analysis and Compare methods of inventory valuation as per AS2 and allocation of incomes and expenses to the various departments.
CO-5 Evaluate the compliance of accounting standards and policies in the books and evaluate the performance of different departments to take corrective actions.
CO-6 Formulate strategies to convert loss making departments to profit making or deciding on continuation or closure of the departments.

Course: Business Economics I

COURSE OUTCOMES
CO-1 List down certain important concepts from the field of business economics.
CO-2 Understand and explain the cost and different laws stated by different economist.
CO-3 Examine the important concepts and tools of economic analysis.
CO-4 Distinguish between certain aspects of production, cost and market structure of business model.
CO-5 Evaluate the significance of operating costs in the decision-making process.
CO-6 Formulate different approaches of production and cost decisions.

Course: Mathematical and Statistical Technique-1

COURSE OUTCOMES
<p>CO-1 Define the different concepts of Statistics.</p> <p>CO-2 Discuss the different types and computational techniques used in Mathematics.</p> <p>CO-3 Calculate different Statistical values for sample data using formulae.</p> <p>CO-4 Compare and Contrast different calculation techniques used in Mathematics.</p> <p>CO-5 Interpret the outcomes derived from calculating the different parameters for statistical data.</p> <p>CO-6 Construct a computational model to study analytical data and interpolate function values.</p>

SEMESTER II

Course: Foundation Course -II

COURSE OUTCOMES
CO-1 Define certain concepts from the fields of Commerce Human rights Ecology and Psychology.
CO-2 Understand and explain certain concepts from the fields of Commerce Human rights Ecology and Psychology.
CO-3 Examine the relationship between different aspects of the physical and psychosocial environment and human life and development.
CO-4 Distinguish between certain aspects of conflicts in society.
CO-5 Evaluate the impact of different aspects of globalisation on everyday life in India.
CO-6 Formulate approaches to resolve various issues related to stress and conflict in society.

Course: Commerce II

COURSE OUTCOMES
CO-1 Define the various concepts associated with services, Services sectors, E-commerce and Retailing
CO-2 Understand and explain the classification of services and growth of retail sector in India
CO-3 Illustrate the various Service Marketing-Mix and retailing and E-Commerce models
CO-4 Compare and Contrast types of Organized and Unorganized Retailing, E-commerce models
CO-5 Evaluate the contribution of Service Sector, retail sector and E-Commerce to Indian economy
CO-6 Develop strategies to popularize E-Commerce in India

Course: Business Economics II

COURSE OUTCOMES
CO-1 Define the different concepts of a market and pricing of an economy.
CO-2 Understand and explain market structures and output decisions that is practiced by the firm and industry in the economy.
CO-3 - Examine some important aspects of capital project expected by entrepreneurs while making decisions.
CO-4 Compare and inspect different aspects of market structure and prices charged by the firms in the economy.
CO-5 Evaluate the importance of capital budgeting in assisting business firms.
CO-6 Formulate the various approaches to achieve demand and supply equilibrium of a firm.

Course: Accountancy and Financial Management II

COURSE OUTCOMES
CO-1 Describe the meaning of concepts used in accounting for consignment sales, branch books, fire insurance claims and convert incomplete records into double entry system.
CO-2 Understand the accounting methods and entries for consignment sales, branch books, fire insurance claims and conversion of incomplete records into double entry system.
CO-3 Apply and practice the different methods for accounting consignment sales, branch books, fire insurance claims and conversion of incomplete records into double entry system.
CO-4 Distinguish between incomplete records and double entry system of book keeping, sales and consignment sales and accounting treatment of dependent branches and independent branches
CO-5 Evaluate the results of the branch accounting and take corrective measures against unprofitable branches.
CO-6 Rearrange the incomplete records using double entry book keeping system and maintain accounts of the branches and concerns engaged in consignment sales.

Course: Business Communication-II

COURSE OUTCOMES
CO1 Define the various concepts in Group Communication
CO2 -Understand the various process of Group Communication
CO3 -Apply the various strategies for being an effective communicator in various communication scenarios
CO4 -Analyse the various tools of group communication
CO5 -Evaluate the advantages and disadvantages of the various tools of group communication
CO6 - Design and conduct Mock Interviews

Course: Environmental Studies -II

COURSE OUTCOMES
CO-1 Define different concept of economic activities
CO-2 Review the impact of human activities on environment
CO-3 Examine the root causes of environmental problems.
CO-4 Inspect the outcome of the innovative ideas to protect the environment
CO-5 Evaluate the policies made by the government to protect the environment
CO-6 Propose the advance solutions for environment protection

Course: Mathematical and Statistical Technique-II

COURSE OUTCOMES

CO-1 Define basic terms and concepts of Mathematics.

CO-2 Discuss the Scope and features of different tools and techniques used in statistics.

CO-3 Solve Numerical involving different computational techniques.

CO-4 Compare and analyse the different tools and techniques used in statistics and assess their utility for different types of data.

CO-5 Evaluate important values using numerical examples and make conclusions on their basis.

CO-6 Using comparative evaluation, formulate ways in Business decision making with the help of various statistical measures.

SEMESTER III

Course: Business Law I

COURSE OUTCOMES
CO-1 Define and describe the important terms related to Indian Contract Act part 1 & 2, Special Contracts, the Sale of Goods Act, and Negotiable Instruments Act.
CO-2 Understand and explain legal rules related to Indian Contract Act part 1 & 2, Special Contracts, the Sale of Goods Act, and Negotiable Instruments Act.
CO-3 Examine the concept of contracts, movable goods and banking laws in India.
CO-4 Differentiate between sale and agreement to sale.
CO-5 Evaluate the advantages and disadvantages of Business Law Indian Contract Act part 1 & 2, Special Contracts, the Sale of Goods Act, and Negotiable Instruments Act.
CO-6 Plan the use of these laws in commercial and business transactions.

Course: Commerce -III

COURSE OUTCOMES
CO-1 Define Management, Managerial skills, functions of Management
CO-2 Understand and explain the importance of Managerial functions.
CO-3 Examine the various concepts associated with Management and different Management thoughts.
CO-4 Compare and Contrast contributions of various Management thinkers.
CO-5 Critically evaluate the contributions of various Management thinkers.
CO-6 Develop strategies /guidelines for effective management of organization.

Course: Foundation Course –III

COURSE OUTCOMES
CO-1 List the constitutional and legal rights of marginalized groups in Indian Society.
CO-2 Understand and explain the different aspects of human rights violation and disaster management and science and technology.
CO-3 Examine the role of science in modern life.
CO-4 Distinguish between Science and technology
CO-5 Evaluate the human rights issues in disaster management.
CO-6 Develop soft-skills and effective techniques for interpersonal communication.

Course: Business Economics III

COURSE OUTCOMES

CO-1 Define macroeconomics concept and its different approaches

CO-2 Review the national income analysis with the help of Keynesian Economics and explain the determinants of money supply.

CO-3 Examine the circular flow of aggregate income and its relationship with the determinants of rate of interest

CO-4 Inspect the measurement of NI accounting investment and constituents of money supply

CO-5 Evaluate the concept of Keynesian with reference to theory of interest

CO-6 Construct the Post Keynesian Development Model to demand for money analysis

Course: Accountancy & Financial Management –III

COURSE OUTCOMES

CO-1 Describe the basic concepts and methods related to Accounting in Partnership firms.

CO-2 Explain the various methods for accounting in Partnership Firm.

CO-3 Apply the methods for admission, retirement, death of partners and amalgamation and dissolution of the firm.

CO-4 Analysis and compare the Partnership Firm and Private Limited Company.

CO-5 Evaluate the impact of amalgamation of the firms.

CO-6 Formulate plan and procedure of amalgamation and dissolution of the firm.

Course: Advertising I

COURSE OUTCOMES

CO1: Define the various concepts associated with Advertising

CO2: Understand and explain different aspects of advertising

CO3: Examine the impact of advertising on economy and society and assess the role of government and self-regulators.

CO4: Compare and contrast types of ad agencies

CO5: Assess the trends in advertising industry and career options in the field of advertising

CO6: Developing strategies to maintain agency client relationship, avoid client turnover and face brand crises

Course: Introduction to Management Accounting

COURSE OUTCOMES

CO-1 Describe basic concepts of various terms related to management accounting and memorize the format of vertical financial statement and formulas for accounting ratios

CO-2 Explain different tools used for analysis of financial statements, discuss the ratios based on users and explain the procedure to arrive at capital budgeting decision

CO-3 Apply the tools and financial statements, determine capital budgeting methods for decision making and estimate working capital requirement in a given situation.

CO-4: Analyse and compare the financial statements.

CO-5 Evaluate the financial performance of Concern and evaluate comparative working capital management policies and their impact on firm's profitability, liquidity, risk & operating flexibility.

CO-6 Formulate a report on the financial statement useful to the users and appropriate working capital policies to achieve corporate goals and derive capital investment decision for individual and concern.

SEMESTER IV

Course: Auditing

COURSE OUTCOMES
CO-1 Describe basic terms and concepts related to auditing. CO-2 Understand the purpose, objective and importance of various aspects of auditing. CO-3 Demonstrate Audit Plan & Programme and examine the quality of audit work and apply test checking, routine checking and audit sampling techniques in audit. CO-4 Distinguish between Accounting and Auditing and various procedures, methods and techniques of auditing. CO-5 Evaluate different types of audits and compliance of financial statements to financial reporting framework and various laws applicable to the concern. CO-6 Develop audit plan and program for the audit of a concern and propose adequate internal control system for the concern.

Course: Commerce IV

COURSE OUTCOMES
CO-1 Define the various concepts associated with Production and Finance CO-2 Understand and explain the contribution of various quality improvement tools in production and various participants in financial market CO-3 Examine the process involved in production and quality improvement and examine the factors responsible for changes in Indian financial market CO-4 Compare and Contrast types of production system, cost of quality, financial schemes and Credit Rating Agencies in India CO-5 Evaluate techniques of Inventory and Service quality management and appraise sources of funding start-up ventures CO-6 Design measures to improve product and service quality

Course: Foundation Course IV

COURSE OUTCOMES
CO-1 Define certain concepts related to ecology and list the features and applications of modern technologies. CO-2 Understand and explain various acts which protect the rights of citizens and explain different approaches to ecology as well as environmental principles. CO-3 Examine the pattern, eligibility criteria and questions of competitive exams. CO-4 Debate on the impact of various consumer protection measures as well as issues relating to control access and misuse of technology in society. CO-5 Evaluate the contribution of modern technologies in everyday life. CO-6 Design a career plan and different techniques for self-improvement.

Course: Business Economics IV

COURSE OUTCOMES
CO-1 Define Public Finance and outline the role government in the economy
CO-2 Understand and explain the financial administration in relation to public economics
CO-3 Examine some important aspects of taxation and public expenditure
CO-4 Compare and inspect different approaches of Public Finance and taxation
CO-5 Evaluate the Dalton's view on financial operation along with the growth of public expenditure
CO-6 Propose the different approach of tax incidence and fiscal policy

Course: Accountancy & Financial Management –IV

COURSE OUTCOMES
CO-1 Describe the basic concepts of Company accounts.
CO-2 Explain the rules and procedure for redemption of preference shares and debentures and basis for allocation of profit prior and post incorporation.
CO-3 Apply the method of accounting for Redemption of Preference shares and debentures and calculate profit prior and post incorporation.
CO-4 Analysis the terms and conditions for redemption of preference shares and debentures.
CO-5 Evaluate the compliance of law for redemption of preference share capital, debentures and ascertainment of profit prior to incorporation.
CO-6 Arrange the expenses and incomes of the Company to ascertain profits prior and post incorporation.

Course: Business Law II

COURSE OUTCOMES
CO-1 Define and describe the important terms related to Indian Companies Act, Indian Partnership Act, Limited Liability Partnership Act, Consumer Protection Act, IPR
CO-2 Understand and explain legal rules related to the formation of Indian Companies Act, Indian Partnership Act, Limited Liability Partnership Act , Consumer Protection Act, IPR (all the acts mentioned above)
CO-3 Examine the concept of Indian Companies Act, Indian Partnership Act, Limited Liability Partnership Act, Consumer Protection Act, and IPR in India.
CO 4 - Analyze the statement “Indian Partnership Act, LLP Act and Factories Act are designed keeping stakeholders’ interest in mind”
CO-5 Evaluate the advantages and disadvantages of Indian Companies Act, Indian Partnership Act, Limited Liability Partnership Act, Consumer Protection Act, and IPR.
CO-6 Plan and use these Laws in relation to formation of Companies Act, Partnership Act, Consumer Protection Act, IPR.

Course: Advertising II

COURSE OUTCOMES

- CO1:** Define the terms associated with Media and Advertising campaign planning
- CO2:** Understand the various concepts and processes associated with media planning, creativity and ad creation
- CO3:** Examine the impact of tools for regulations on Indian advertisements
- CO4:** Compare and contrast the various ad-evaluation methods
- CO5:** Evaluate various traditional and new age media that are used for advertising
- CO6:** Developing print ads and broadcasting ads

SEMESTER V

Course: Financial Accounting & Auditing VII

COURSE OUTCOMES
CO-1 Outline the format of Financial Statements as per the Companies Act,2013 and describe accounting concepts and rules for Buyback of shares and Internal Reconstruction of Companies.
CO-2 Understand the format of Financial Statements as per the Companies Act,2013 and Explain accounting treatments for Buyback of shares and Internal Reconstruction of Companies.
CO-3 Apply the format of Financial Statements as per the Companies Act,2013 to prepare financial statements and accounting for Buyback of shares, Internal Reconstruction of Companies and Investment accounting.
CO-4 Analyse the financial statements and the accounting for Buyback of shares, Internal Reconstruction of Companies and Investment accounting to ensure compliance with Company law, accounting principles and Standards.
CO-5 Evaluate the eligibility of the company to buy back its shares.
CO-6 Construct the financial statement of a company, design internal reconstruction plan for the Company.

Course: Financial Accounting and Auditing –VIII

COURSE OUTCOMES
CO-1 Describe the concepts and methods related to Cost accounting.
CO-2 Understand the methods for calculation of material and labour cost and cost sheet.
CO-3 Apply the various methods and calculate cost of material, labour and prepare cost sheet and reconcile with the financial profits.
CO-4 Analyse the need for cost accounting and various methods for calculating cost of material, labour and overheads
CO-5 Evaluate the difference between profit as per cost accounting and financial accounting.
CO-6 Formulate inventory and labour cost management system for a company

Course: Business Economics V

COURSE OUTCOMES
CO-1 List different economic reforms taken place in Indian economy after 1991
CO-2 Understand and explain growth in Indian economy the post reform period in various sectors
CO-3 Examine the important initiative taken by the country to accelerate economic growth and development
CO-4 Compare and inspect the capital accumulation operation taken by different markets existing in India
CO-5 Evaluate the importance of NEP and the changes made by the government
CO-6 Propose the different policy measures to improve the functioning of Indian economy

Course: Direct and Indirect Taxation I

COURSE OUTCOMES
CO-1 Define the basic terms, definitions and describe direct laws as prescribed under different provisions of Income Tax Act 1961.
CO-2 Understand direct laws as prescribed under different provisions of Income Tax Act 1961.
CO-3 Apply the provisions of Income tax and determine the residential status and gross total income and total net taxable income of an individual assessee by considering the income from all heads of income and the deduction.
CO-4 Analyse the of direct tax laws.
CO-5 Evaluate the impact of provisions of Income Tax on taxable income.
CO-6 Derive tax saving investment plan and file income tax returns.

Course: Commerce V

COURSE OUTCOMES
CO-1 Define various concepts of marketing
CO-2 Understand and explain the different marketing tools and techniques of Marketing
CO-3 Examine the influence of 4P's on marketing
CO-4 Compare and Contrast different pricing strategies, strategic and traditional marketing practices
CO-5 Assess the emerging trends in marketing and Selling
CO-6 Develop effective marketing strategies

Course: Computer System and Applications – I

COURSE OUTCOMES
CO-1 Describe important features of computer network, excel and My SQL.
CO-2 Explain commands MS Excel and My SQL.
CO-3 Use commands MS Excel and My SQL.
CO-4 Compare and contrast different types of logics used in excel and MY-SQL.
CO-5 Summarize importance of MY-SQL and Excel.
CO-6 Develop the MY-SQL programs.

Course: Export Marketing I

COURSE OUTCOMES
CO-1 Define the terms/concepts associated with export marketing and international trade
CO-2 Understand and explain different aspects of Export Marketing
CO-3 Examine the risk and problems associated with export marketing and role of DGFT as a facilitator
CO-4 Compare and Contrast various barriers to trade and components of negative list
CO-5 Critically evaluate the impact of support extended to exporters by Government
CO-6 Develop strategies to enter international market

Course: Psychology of Human Behaviour at Work- I

COURSE OUTCOMES
CO-1 Define the different concepts of Psychology of Human Behaviour at Work.
CO-2 Understand and explain the different concepts of Psychology of Human Behaviour at Work.
CO-3 Examine the relationship between different theoretical concepts and employee behaviour in the work place.
CO-4 Compare and contrast core concepts and theories of Psychology of Human Behaviour at Work.
CO-5 Critically evaluate the theories of Organizational Behaviour
CO-6 Formulate approaches to enhance employee behaviour in organizations.

SEMESTER VI

Course: Financial Accounting & Auditing IX

COURSE OUTCOMES
CO-1 Describe the concepts, rules and methods associated with amalgamation, absorption, external reconstruction of companies, foreign currency transactions, underwriting of shares, liquidation of companies and limited liability partnerships
CO-2 Understand the rules, methods and accounting treatment associated with amalgamation, absorption, external reconstruction of companies, foreign currency transactions, underwriting of shares, liquidation of companies and limited liability partnerships
CO-3 Apply the methods and accounting treatment associated with amalgamation, absorption, external reconstruction of companies, foreign currency transactions, underwriting of shares, liquidation of companies and limited liability partnerships and pass journal entries and prepare accounts.
CO-4 Analyse and compare various methods for amalgamation and liquidation of companies.
CO-5 Evaluate the compliance of accounting standards for accounting for amalgamation, absorption, external reconstruction of companies, foreign currency transactions, underwriting of shares, liquidation of companies and limited liability partnerships
CO-6 Formulate amalgamation, absorption, external reconstruction and liquidation scheme for the Company.

Course: Financial Accounting and Auditing –X

COURSE OUTCOMES
CO-1 Describe the concepts related to cost control accounts, process costing standard costing and marginal costing.
CO-2 Understand the formats and formulas used in cost control accounts, process costing standard costing and marginal costing.
CO-3 Apply the formula and procedure to calculate material and labour variances and prepare cost control accounts.
CO-4 Differentiate the accounting treatments under Integrated and Non-Integrated cost accounts and compare standard cost of labour and material with actual cost.
CO-5 Evaluate the profit volume ratio at various levels of sales and reasons for variances in the standard and actual costing.
CO-6 Develop the strategy for production based on desired profit and construct the cost sheet for desired production based on standard costs.

Course: Direct and Indirect Taxation II

COURSE OUTCOMES
CO-1 Define various terms related to Goods and Service Tax (GST) and describe provisions of Goods and Service Tax Act.
CO-2 Understand various terms related to Goods and Service Tax (GST) and provisions of Goods and Service Tax Act and discuss the compliances related to documentation.
CO-3 Apply provisions of GST Act to determine the time, place and value of supply and compute the amount of CGST, SGST and IGST payable after considering the eligible input tax credit.
CO-4 Differentiate between forward charge and reverse charge mechanism and between composite and mixed supply.
CO-5 Evaluate conditions which require obtaining registration under GST law.
CO-6 Plan and execute registrations of the concern under GST Act and file GST returns.

Course: Business Economics VI

COURSE OUTCOMES
CO-1 Describe some important features of international economics.
CO-2 Understand and explain various policies of international trade and explain balance of payment
CO-3 Classify the theories of international trade and the role of international organization in international trade
CO-4 Compare and generalize the foreign exchange rate management, commercial trade policy and BOP
CO-5 Evaluate the theories of international trade and foreign exchange market.
CO-6 Formulate measures to resolve the problems that arises in BOP of a country and measures for terms of trade.

Course: Computer System and Applications - II

COURSE OUTCOMES
CO-1 Define important terms of Computer System Applications
CO-2 Explain advance commands of MS Excel and visual basic
CO-3 Write a Program using Visual Basics
CO-4 Compare and contrasts different types of logics used in excel and visual basic
CO-5 Summarise Importance of visual basics and Advance Excel
CO-6 Develop an application using Visual Basics

Course: Export Marketing II

COURSE OUTCOMES
CO-1 Define terms associated with marketing of products, international trade and export finance
CO-2 Understand and explain various aspects of pricing and marketing in overseas markets.
CO-3 Solve problems based on FOB quotations
CO-4 Compare and Contrast concepts associated with distribution and payment in export marketing
CO-5 Assess role of financial institutions in export marketing
CO-6 Design products for exporting

Course: Psychology of Human Behaviour at Work- II

COURSE OUTCOMES
CO-1 Define the different concepts of Psychology of Human Behaviour at Work.
CO-2 Understand and explain the different concepts of Psychology of Human Behaviour at Work.
CO-3 Examine the relationship between different theoretical concepts and employee behaviour in the work place.
CO-4 Compare and contrast different concepts of Psychology of Human Behaviour at Work.
CO-5 Critically evaluate concepts of Psychology
CO-6 Formulate approaches to resolve various issues faced by individuals and organizations and enhance organizational effectiveness.

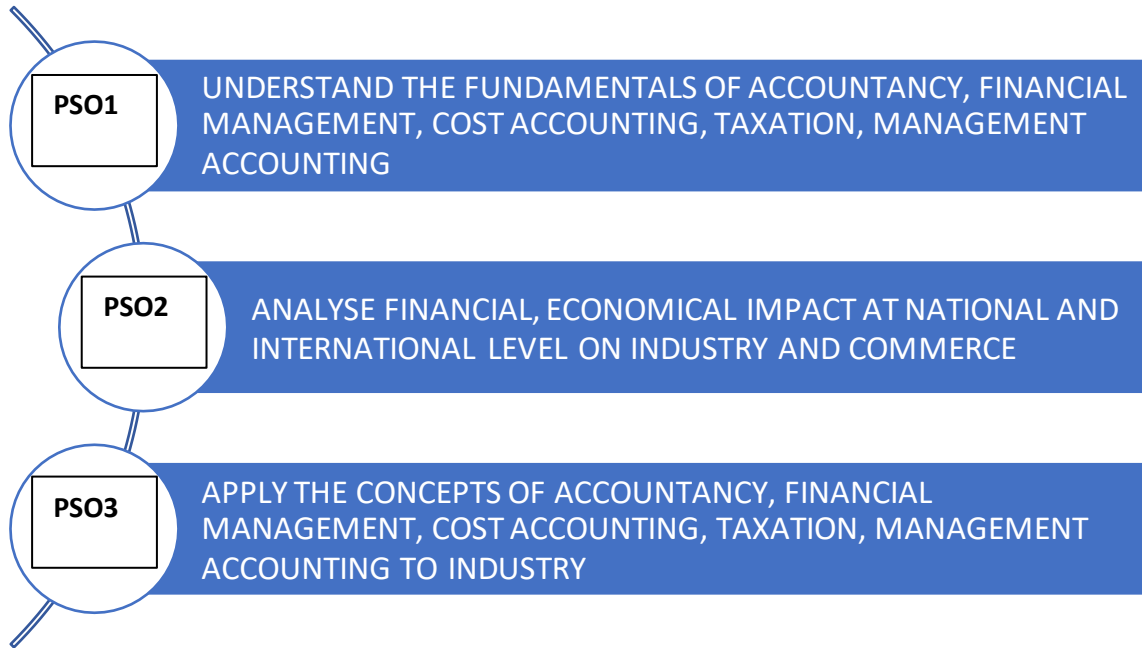
**PROGRAM- Bachelor of Commerce
(Accounting and Finance)**

PROGRAM CODE: 22300002

PROGRAM OUTCOMES

-  PO1 Critical Thinking
-  PO2 Effective Communication
-  PO3 Social Interaction
-  PO4 Effective Citizenship
-  PO5 Ethics
-  PO6 Environment and Sustainability
-  PO7 Self-Directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES



Semester I

Course: Financial Accounting (Elements of Financial Accounting)– I

COURSE OUTCOMES
CO-1 Recognize various formats to present financial statements of Inventory Valuation, Final Accounts of Manufacturing Company, Departmental Accounts, Hire Purchase.
CO-2 Explain and Recognize various types of treatment required for solving various illustrations.
CO-3 Solve various illustrations based on Inventory Valuation, Final Accounts of Manufacturing Company, Departmental Accounts, Hire Purchase.
CO-4 Categorize between various formats of final accounts.
CO-5 Estimate the value of inventory based on different methods.
CO-6 Formulate illustration based on various topics like Inventory Valuation, Final Accounts of Manufacturing Company, Departmental Accounts, Hire Purchase.

Course: Financial Management (Introduction to Financial Management)- I

COURSE OUTCOMES
CO-1 Describe key concepts in financial management.
CO-2 Discuss Sources of finance.
CO-3 Solve time value of money, leverage, cost of capital.
CO-4 Appraise challenges of financial management.
CO-5 Evaluate capital structure and cost of capital of firms.
CO-6 Design capital structure of a company.

Course: Cost Accounting (Introduction and Elements of Cost) - I

COURSE OUTCOMES
CO-1 Define the terms cost, overheads and direct costs.
CO-2 Express your thoughts on how cost accounting is beneficial for internal cost management.
CO-3 Calculate total cost of a particular job considering material, labour and overheads incurred.
CO-4 Compare the treatment of costs under financial and cost accounting.
CO-5 Evaluate how a good cost accounting system would consider the various costs incurred for making a product.
CO-6 Present a business idea demonstrating the use of cost accounting for identifying the costs involved and how to quantify them.

Course: Business Economics I

COURSE OUTCOMES

- CO-1** Define important concepts of economics in business.
- CO-2** Discuss the relationship between economic concepts and business economics decisions.
- CO-3** Apply the economics tools to business decisions & calculate the outcome.
- CO-4** Differentiate the various market situation and its conditions.
- CO-5** Evaluate the application of economics theory to business decisions.
- CO-6** Generalize the economic theories and develop a new business theory.

Course: Commerce (Business Environment) - I

COURSE OUTCOMES

- CO-1** Describe some terms of business and its environment.
- CO-2** Understand and explain the different features and aspects of the economy, components of the environment, economy and social audit.
- CO-3** Examine some crucial role of government in business.
- CO-4** Compare and contrast different aspects of micro and macro environment.
- CO-5** Critically evaluate the business environment and competitive strategies with the challenges faced by Indian economy.
- CO-6** Formulate approaches to understand competition and new trends with its impact on the organization.

Course: Business Communication I

COURSE OUTCOMES

- CO-1** Outline the process and definitions of business communication
- CO-2** Classify and explain the various channels, modes and methods of communication
- CO-3** Implement the communication techniques and etiquette learnt in personal life and at the workplace
- CO-4** Categorize the various channels, methods and modes of effective communication
- CO-5-** Evaluate and choose the best communication channels
- CO-6** Develop awareness of the complexity of the communication process

Course: Foundation Course -I

COURSE OUTCOMES

CO-1 Describe some important features of society and its structure with special reference to India.

CO-2 Understand and explain the different features of life in Indian Society.

CO-3 Examine some crucial aspects of life in India.

CO-4 Compare and contrast different aspects of life in Indian society

CO-5 Critically evaluate the importance of values in a society

CO-6 Formulate approaches to resolve various issues faced by Indian society

SemesterII

Course: Financial Accounting (Special Accounting Areas) - II

COURSE OUTCOMES
CO-1 List the various methods of accounting that can be followed by a business entity under special accounting areas.
CO-2 Understand and explain the accounting treatment of closing stock under single entry system, consignment accounts, branch accounts and fire insurance.
CO-3 Solve numerical problems on different methods of accounting under special accounting areas.
CO-4 Compare the book keeping method for a sole trader to the methods learnt under special accounting areas.
CO-5 Summarize the benefits of maintaining books of accounts under special accounting areas.
CO-6 Prepare a presentation showing how accounting treatment changes under special accounting areas.

Course: Business Communication II

COURSE OUTCOMES
CO-1 Define the various concepts in Group Communication
CO-2 Understand the various processes of Group Communication
CO-3 Apply the various strategies for being an effective communicator in various communication scenarios
CO-4 Compare the advantages and disadvantages of the various tools of group communication
CO-5 Evaluate and select the best strategies and techniques of group communication
CO-6 Conduct mock interviews, construct business documents and design presentations

Course: Business Law (Business Regulatory Framework) - I

COURSE OUTCOMES
CO-1 Define key concept in business law.
CO-2 Describe features of contract, sale of goods, negotiable instruments.
CO-3 Apply laws governing negotiable instrument & negotiation in practice.
CO-4 Differentiate between sale and agreement to sale.
CO-5 Examine & interpret the provisions of consumer laws
CO-6 Draft a contract by applying essential of valid contract.

Course: Auditing (Introduction and Planning) - I

COURSE OUTCOMES

- CO-1** Define key concepts in auditing.
- CO-2** Describe techniques of auditing.
- CO-3** Demonstrate auditing process in an organization.
- CO-4** Distinguish between internal check, internal audit and external audits.
- CO-5** Evaluate the role, duties and responsibilities of auditor in conduct of audit.
- CO-6** Create an audit report and conduct an audit

Course: Innovative Financial Services

COURSE OUTCOMES

- CO-1** Describe fund based and fee based financial services
- CO-2** Discuss Framework of various financial services
- CO-3** Examine process of Issue management carried out by intermediaries
- CO-4** Compare fee based and fund based financial services
- CO-5** Evaluate growth of innovative financial service in India
- CO-6** Develop a plan to raise venture capital finance

COURSE: Foundation Course -II

COURSE OUTCOMES

- CO-1** Define certain concepts from the fields of Commerce Human rights Ecology and Psychology.
- CO-2** Understand and explain certain concepts from the fields of Commerce Human rights Ecology and Psychology.
- CO-3** Examine the relationship between different aspects of the physical and psychosocial environment and human life and development.
- CO-4** Distinguish between certain aspects of conflicts in society.
- CO-5** Evaluate the impact of different aspects of globalisation on everyday life in India.
- CO-6** Formulate approaches to resolve various issues related to stress and conflict in society.

Course: Business Mathematics

COURSE OUTCOMES

CO-1 Define basic terms and concepts of Business Mathematics.

CO-2 Discuss the different types and computational techniques used in Business Mathematics.

CO-3 Solve numerical involving different computational techniques.

CO-4 Compare and Contrast different calculation techniques used in Business Mathematics.

CO-5 Evaluate important values for Shareholders using numerical examples and make conclusions on their basis.

CO-6 Construct a computational model to analytically study returns on investments in Capital markets.

Semester III

Course: Financial Accounting (Special Accounting Areas) - III

COURSE OUTCOMES
CO-1 Memorise various formats to present financial statements of partnership firms, Amalgamation of firm, Conversion or Sale of partnership firm into a limited company.
CO-2 Discuss and Recognise various types of treatment required for solving various illustrations.
CO-3 Solve various illustrations based on partnership final accounts and piecemeal distribution of cash and Amalgamation of firm and Conversion or sale of partnership firm.
CO-4 Distinguish between various methods of solving Amalgamation illustrations
CO-5 Summarise various methods of calculating Partnership final accounts, Amalgamation of firm and Conversion or sale of partnership firm and Foreign currency transactions
CO-6 Formulate illustration based on various topics like Partnership final accounts, Amalgamation of firm and Conversion or sale of partnership firm and Foreign currency transactions

Course: Cost Accounting (Methods of Costing) -II

COURSE OUTCOMES
CO-1 State the accounting treatment of raw materials in cost sheet, contract account and process account. Also, state the effect of under absorption of overheads in reconciliation statement.
CO-2 Understand and explain the recording of various costs under finance and cost accounting
CO-3 Examine the various aspects of cost accounting techniques with respect to treatment of items like taxation, notional profits, revenue from a by-product and abnormal losses incurred in a process.
CO-4 Distinguish between cost accounting and financial accounting in terms of its use, need, treatment of specific items and its objectives.
CO-5 Assess the statement: "Financial accounting does not consider notional profits since they are not real, however cost accounting considers them to get clarity on viability of the business activity".
CO-6 Prepare a proforma of profit and loss as per financial accounts and a cost statement, highlighting the differences in treatment of particular items. Notional profit on contracts and abnormal gains and losses to be specifically included.

Course: Commerce (Financial Market Operations) – III

COURSE OUTCOMES
CO-1 Describe key features of financial market and financial system
CO-2 Discuss intermediaries and non-intermediaries in financial markets
CO-3 Examine various instruments in financial markets
CO-4 Appraise challenges of regulators in financial system
CO-5 Summarize various equity and debt market reforms
CO-6 Prepare an ideal setup of financial market along with preferable financial instruments

Course: Business Economics II

COURSE OUTCOMES
CO-1 Define the various important concepts of macroeconomics analysis.
CO-2 Discuss the importance of the study of macroeconomics.
CO-3 Examine the application of the study of macroeconomics theory into business.
CO-4 Categorise the various important macroeconomics concepts.
CO-5 Evaluate the application of macroeconomics theory into business decisions.
CO-6 Generalize the macroeconomic theories and construct a new modern economic theory of business.

Course: Business law (Regulatory Framework)- II

COURSE OUTCOME
CO-1 Define important terms under Factories Act, LLP Act and Indian Partnership Act.
CO-2 Describe the laws governing partnership & legal consequences of their transaction & other action in relation with partnership.
CO-3 Demonstrate the procedure for registration of partnership & Limited liability partnership.
CO-4 Analyze the statement “Indian Partnership Act, LLP Act and Factories Act are designed keeping stakeholders’ interest in mind”
CO-5 Evaluate contractual obligations & provisions governing LLP.
CO-6 Prepare a presentation on the topic: Indian laws with respect to different forms of organization” focusing on Partnership, LLP and Factories.

Course: Information Technology in Accountancy - I

COURSE OUTCOMES

- CO-1** List the different parts of hardware and different types of software
- CO-2** Understand and explain the use of different commands of MS word, MS Excel and MS PowerPoint.
- CO-3** Demonstrate the process of downloading information, creating e-mail ID and sending, receiving emails
- CO-4** Assess legal issues of internet, importance of electronic data interchange and e-commerce.
- CO-5** Evaluate the use of tools in Accountancy
- CO-6** Design a document showing the function of mail merge and outlook software and the prepare a presentation on concept of Search engine optimization

Course: Taxation I (Direct Taxes Paper I)

COURSE OUTCOMES

- CO 1** – Define the various incomes under the major heads based on their respective charging section.
- CO 2-** Understand and explain the various incomes that are exempt or can be taken as deduction from taxable income.
- CO 3** – Explain how incomes are assessed under the major heads of income.
- CO 4** – Debate on the advantages and disadvantages of the amendments that are brought about by the Finance Act 2021.
- CO 5** - Compute the income taxable under the various heads of incomes using a numerical example.
- CO 6** – Design a format consisting the taxability and the various benefits that can be availed under the Act Considering an individual has profits from business and profession and income from other sources.

Semester IV

Course: Foundation Course in Management (Introduction to Management) - IV

COURSE OUTCOMES
C01 – Define the various functions of management. C02 - Explain the importance of various functions of management C03 – Illustrate with an example how you can apply the various functions of management to make a better working environment. C04 – Test if management concepts are more theory based than application based C05 – Summarize the process of management followed in an organisation C06 - Using an industry example, prepare a presentation demonstrating application of every function of management.

Course: Information Technology in Accountancy II

COURSE OUTCOMES
CO-1 Define key aspects of Business process management CO-2 Discuss need and requirement of computerized accounting. CO-3 Demonstrate use of various accounting software CO-4 Investigate and understand the needs and importance of IT in auditing CO-5 Evaluate and understand the concept of management information system reports in computer environment CO-6 Create tally reports and other miscellaneous reports

Course: Management Accounting (Introduction to Management Accounting)

COURSE OUTCOMES
CO1: Explain the application of management accounting and the various tools used. CO2: Make inter-firm and inter-period comparison, of financial statements CO3: Analyse the financial statement using various ratios. CO4: Prepare Fund Flow Statement and Cash Flow Statement CO5: Revise the concept of management accounting and its significance in the business. CO6: Develop an understanding of the conceptual framework of the Management Accounting

Course: Financial Accounting (Special Accounting Areas) – IV

COURSE OUTCOMES
CO-1 Memorise various formats to present financial statements of companies, ascertainment and treatment of profit prior to incorporation.
CO-2 Discuss various types of treatment required for solving illustrations of final accounts of companies, ascertainment and treatment of profit prior to incorporation, Redemption of preference shares, redemption of debentures.
CO-3 Solve various illustrations based on final accounts of companies, ascertainment and treatment of profit prior to incorporation, Redemption of preference shares, redemption of debentures.
CO-4 Distinguish between various methods of solving Redemption of preference shares, redemption of debentures.
CO-5 Assess the level of knowledge of redemption of preference shares and redemption of debentures.
CO-6 Formulate illustration based on various topics like final accounts of companies, ascertainment and treatment of profit prior to incorporation, Redemption of preference shares, redemption of debentures.

Course: Taxation – II (Direct Taxes - II)

COURSE OUTCOMES
CO-1 Define the important terminologies under clubbing of income and taxability of individual and partnership firms
CO-2 Describe the procedure followed for finding taxable income for an individual and a partnership firm
CO-3 Illustrate the use of benefits extended by Income Tax act for taxability of individuals and partnership firms
CO-4 Analyse the difference between calculation of profits from business under Income Tax Act and under Companies Act.
CO-5 Summarize the various ways in which income can be managed so as to minimize tax payable.
CO-6 Prepare a tax plan for an individual who has income from house property, capital gains and is also a partner in a firm. He also has investments in a foreign company on which tax is deducted at source and there is DTAA between India and the other country.

Course: Business Law (Company Law) - III

COURSE OUTCOMES

- CO-1** Describe the steps to be taken for actions as per regulatory framework of various provisions on Company Law.
- CO-2** Describe the mechanism to know required documents & procedure for registration of companies.
- CO-3** Illustrate the various procedures that are to be followed by a company from its incorporation till its share issue.
- CO-4** Describes various standards, maintaining order, solving disputes and other rights as required by the employer.
- CO-5** Compare private placement & IPO.
- CO-6** Present the case law “Ashbury Railway Carriages and Wagons Co. vs Riche LR & HL”, explaining the facts and decision rule.

Course: Research Methodology in Accounting and Finance

COURSE OUTCOMES

- CO-1** Describe key aspects of Research.
- CO-2** Understand Steps of Research design.
- CO-3** Examine Data analysis of research.
- CO-4** Appraise stages of data processing.
- CO-5** Choose appropriate method of conducting research.
- CO-6** Create a Research Report.

Semester -V

Course: Financial Accounting V

COURSE OUTCOMES

- CO-1** Define the terms gross liability of underwriter, purchase consideration and contributories.
- CO-2** Understand and explain the lifecycle of a share capital in a company from its issue through underwriter, how it can be used to expand or downsize business and how it is repaid on liquidation.
- CO-3** Write the journal entries to record underwriting of shares, buy back of shares and corporate restructuring of companies.
- CO-4** Inspect the reasons underwriter might choose for buy back of its shares.
- CO-5** Assess the various provisions that are applicable to companies with respect to share capital under Companies Act and Accounting standards.
- CO-6** Generalise a scenario where a shareholder had purchased shares of a company from an underwriter and has to now experience buy back of those shares, exchange of those shares on merger of the company and liquidation of the company.

Course: Financial Accounting VI

COURSE OUTCOMES

- CO-1** Memorise various formats to present financial statements of Banking Company, Insurance company, non-banking financial company, Valuation of goodwill and shares, Limited Liability partnership.
- CO-2** Discuss and Recognise various types of treatment required for solving various illustrations.
- CO-3** Solve various illustrations based on Banking Company, Insurance company, Non-banking financial company, Valuation of goodwill and shares, Limited Liability partnership.
- CO-4** Compare between Banking and Non-banking company
- CO-5** Estimate the value of advances, standard assets, sub-standard , doubtful and provisioning requirement under Banking and non-banking company.
- CO-6** Formulate illustration based on various topics like Banking Company, Insurance company, non-banking financial company, Valuation of goodwill and shares, Limited Liability partnership.

Course: Cost Accounting III

COURSE OUTCOMES
CO-1 Memorise various formats to present Cost statements of Operating Costing, Process Costing and Activity based Costing.
CO-2 Discuss and Recognise various types of treatment required for solving various illustrations.
CO-3 Solve various illustrations based on interfirm comparison, integrated and non-integrated accounting, hospitals, hotels, goods and passengers transport service, FIFO (First in First out) and Weighted Average Method of valuation of work in progress and equivalent production.
CO-4 Compare between integrated and non-integrated accounting system, the cost ascertained with other competitors in the same business.
CO-5 Discriminate between Traditional and Activity based costing system.
CO-6 Formulate illustration based on various topics like interfirm comparison, Integrated and non- integrated costing system, Operating costing, Process costing, Activity based costing.

Course: Financial Management II

COURSE OUTCOMES
CO-1 List key aspects in financial management
CO-2 Summarize theories on capital structure and dividend models
CO-3 Solve sums on Capital structure, dividend decision, capital budgeting, mutual funds, bonds, credit management.
CO-4 Appraise techniques of capital budgeting
CO-5 Assess firms' valuation and project valuation
CO-6 Construct ideal financial plans for the organizations.

Course: Management – II (Management Applications)

COURSE OUTCOMES
CO-1 List down key aspects of management application
CO-2 Explain role and importance of different functional areas
CO-3 Examine strategies relating to different functional areas of management application
CO-4 Analyse various functional areas with its objective
CO-5 Evaluate techniques of management application
CO-6 Design a business plan emphasizing marketing, production management, human resource management and financial management.

Course: Taxation III (Indirect Taxes – I)

COURSE OUTCOMES
<p>CO-1 Define the important terms under GST.</p> <p>CO-2 Understand and explain the various types of GST and how their liability is determined.</p> <p>CO-3 Considering the growth of turnover in a business, examine how and when GST liability arises and when it has to be paid.</p> <p>CO-4 Inspect the major changes that were brought about by introduction of GST.</p> <p>CO-5 Summarize the supplies that would and would not attract GST liability.</p> <p>CO-6 Prepare a presentation showing the procedure of taking GST registration, applying for composition scheme, converting into normal taxation, taking input tax credit and paying final GST liability on the GST portal.</p>

SEMESTER: VI

Course: Financial Accounting VII

COURSE OUTCOMES
CO-1 Tabulate the format of final accounts of Electricity Companies, Co-operative society.
CO-2 Discuss the various concepts and terms used in Investments in Fixed and variable income bearing securities.
CO-3 Compute net asset value of a mutual fund and show its position in the balance sheet of a company as an investment.
CO-4 Distinguish between the method of reporting assets and liabilities as per old and new accounting standards.
CO-5 Evaluate the financial position of a company based on value of its investments in market and the degree of compliance of accounting standards.
CO-6 Formulate various illustrations based on Final Account for Electricity Company, Final Accounts For Co-Operative Society, Investment Accounting, Mutual funds

Course: Financial Management III

COURSE OUTCOMES
CO-1 List down key aspects in valuation of business.
CO-2 Explain the advantages and disadvantages of change in business models.
CO-3 Solve numerical problems on valuation of business after mergers / takeover / corporate restructuring.
CO-4 Compare and contrast the various techniques of business expansion.
CO-5 Summarize the techniques of corporate restructuring and mergers and takeovers.
CO-6 Prepare a presentation to show how a company can raise funds for changing their business structure or expand their existing business.

Course: Economics Paper (Indian Economy) - III

COURSE OUTCOMES
CO-1 Define the various important sectors in Indian economy.
CO-2 Discuss the importance of the study of macroeconomics.
CO-3 Examine various economic sector in Indian economy.
CO-4 Distinguish between the economic conditions in rural and urban India.
CO-5 Evaluate various government policies and give conclusion.
CO-6 Generalize the condition Indian economy pre- and post-independence

Course: Taxation - IV (Indirect Taxes – II)

COURSE OUTCOMES
CO-1 Define the important terminologies under payment and return of filing procedure of GST and under Customs Act.
CO-2 Discuss the provisions in relation to GST and Customs tax applicability on imports and exports.
CO-3 Illustrate the provisions under GST and Customs law, determine the revenue flow to the central and state government through indirect taxes.
CO-4 Inspect the extent of compliance under Indirect taxes in India.
CO-5 Summarise the consequences of indirect taxes on final consumer.
CO-6 Prepare a presentation on the topic of GST and Customs returns.

Course: Cost Accounting IV

COURSE OUTCOMES
CO-1 Define budgets and advantages of budget
CO-2 Discuss different methods of costing and budgeting
CO-3 Solve sums on budgeting, marginal costing and sales decision mix
CO-4 Differentiate between absorption costing and marginal costing
CO-5 Evaluate variances in costing
CO-6 Create a structure of variance and break-even point for product decision

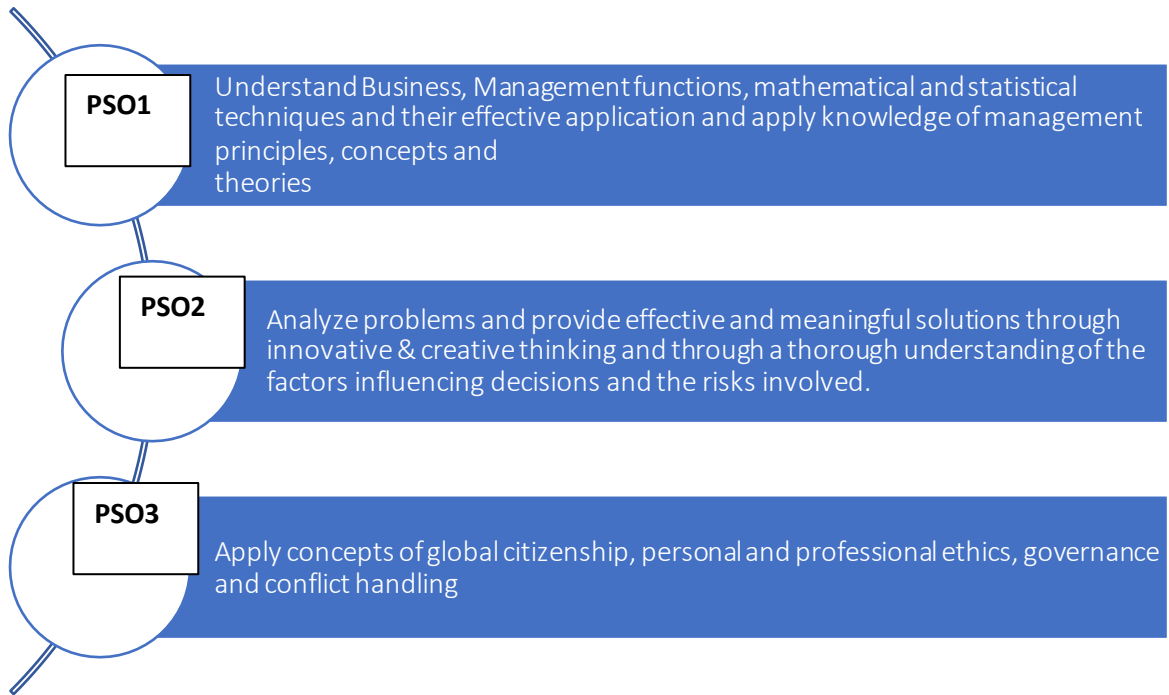
**PROGRAM- Bachelors of Management
Studies**

PROGRAM CODE: 22300005

PROGRAM OUTCOMES

-  PO1 Critical Thinking
-  PO2 Effective Communication
-  PO3 Social Interaction
-  PO4 Effective Citizenship
-  PO5 Ethics
-  PO6 Environment and Sustainability
-  PO7 Self-Directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES



SEMESTER I

Course: Foundation Course -I

COURSE OUTCOMES

- CO-1** Describe some important features of society and its structure with special reference to India.
- CO-2** Understand and explain the different features of life in Indian Society.
- CO-3** Examine some crucial aspects of life in India
- CO-4** Compare and contrast different aspects of life in Indian society
- CO-5** Critically evaluate the importance of values in a society
- CO-6** Formulate approaches to resolve various issues faced by Indian society

Course: Business Communication I

COURSE OUTCOMES

- CO-1** Outline the process and definitions of business communication
- CO-2** Classify and explain the various channels, modes and methods of communication
- CO-3** Implement the communication techniques and etiquette learnt in personal life and at the workplace
- CO-4** Categorize the various channels, methods and modes of effective communication
- CO-5** Evaluate and choose the best communication channels
- CO-6** Develop awareness of the complexity of the communication process and effective listening skills, speaking skills and writing skills

Course: Business Statistics

COURSE OUTCOMES

- CO-1** Define the different concepts of Business Statistics.
- CO-2** Discuss the scope and features of different tools and techniques used in business statistics.
- CO-3** Calculate different statistical values for sample data using formulae.
- CO-4** Compare and analyze the different tools and techniques used in Business statistics and assess their utility for different types of data.
- CO-5** Interpret the outcomes derived from calculating the different parameters for statistical data.
- CO-6** Using comparative evaluation, formulate ways in Business decision making with the help of various statistical measures.

Course: Introduction to Financial Accounts

COURSE OUTCOME
CO-1 Describe the preparation of basic financial statements such as trading account, profit and loss account and balance sheet.
CO-2 Explain Indian Accounting Standards and International Financial Reporting Standards.
CO-3 Examine the reasons for differences in Bank and cash balance and reconcile them.
CO-4 Investigate reconciliation of bank statements.
CO-5 Evaluate the charges of depreciation on various assets.
CO-6 Design depreciation schedules under various methods of depreciation using numerical examples.

Course: Business Economics I

COURSE OUTCOMES
CO-1 Define important concepts of economics in business.
CO-2 Discuss the relationship between economic concepts and business economics decisions.
CO-3 Apply economic tools for making business decisions & calculate the outcome
CO-4 Differentiate various market situations and their conditions.
CO-5 Evaluate the application of economics theory into business decisions.
CO-6 Generalize the economic theories and develop a new business theory.

Course: Foundation of Human Skills

COURSE OUTCOMES
CO1: Describe various psychologies of human behaviour at work.
CO2: Understand the importance of group behaviour and its impact on employees' performance at work.
CO3: Apply learning theories in a workplace scenario.
CO4: Analyze the factors causing stress at the workplace.
CO5: Critically evaluate the importance of motivational theories for employers to evaluate employees' behavior at the workplace.
CO6: Formulate approaches to enhance employees' behavior in an organization.

Course: Business Law

COURSE OUTCOMES

CO 1- Define key concepts in business law.

CO2- Discuss features of Contract, Sale of Goods and Negotiable Instruments Act

CO3- Apply laws governing negotiable instruments & negotiation in practice.

CO4- Differentiate between sale and agreement to sale.

CO5- Evaluate and interpret the provisions of consumer laws

CO 6- Draft a sample contract showing compliance with all essentials of valid contract.

SEMESTER II

Course: Foundation Course II

COURSE OUTCOMES
CO-1 Define certain concepts from the fields of Commerce Human rights Ecology and Psychology.
CO-2 Understand and explain certain concepts from the fields of Commerce Human rights Ecology and Psychology.
CO-3 Examine the relationship between different aspects of the physical and psychosocial environment a human life and development.
CO-4 Distinguish between certain aspects of conflicts in society.
CO-5 Evaluate the impact of different aspects of globalisation on everyday life in India.
CO-6 Formulate approaches to resolve various issues related to stress and conflict in society.

Course: Industrial Law

COURSE OUTCOME
CO-1 Describe the wage legislations, laws relating to Social Security and working conditions in industries.
CO-2 Discuss the provisions relating to working conditions in different sectors & departments.
CO-3 Calculate ESI and Gratuity accurately as per the provisions of the Act
CO-4 Differentiate between Business Law and Industrial Law
CO-5 Evaluate the payment of bonus Act so as to avoid any adverse effect on the payment of the bonus to the employee.
CO-6 Generalize the various industrial laws.

Course: Business Mathematics

COURSE OUTCOMES
CO-1 Define basic terms and concepts of Business Mathematics.
CO-2 Discuss the different types and computational techniques used in Business Mathematics.
CO-3 Solve numerical involving different computational techniques.
CO-4 Compare and Contrast different calculation techniques used in Business Mathematics.
CO-5 Evaluate important values using numerical examples and make conclusions on their basis.
CO-6 Construct a computational model to study analytical data and interpolate function values.

Course: Business Communication II

COURSE OUTCOMES
CO-1 Define the various concepts in Group Communication
CO-2 Understand the various processes of Group Communication
CO-3 Apply strategies for being an effective communicator in various communication scenarios
CO-4 Compare the tools of group communication
CO-5 Evaluate and select the best strategies and techniques of group communication
CO-6 Conduct mock interviews, construct business documents and design presentations

Course: Business Environment

COURSE OUTCOMES
CO-1 Describe some terms of business and its environment.
CO-2 Understand and explain the different features and aspects of the economy, components of the environment, economy, social audit and international environment.
CO-3 Examine the crucial role of government in business and concepts of multinational companies.
CO-4 Compare and contrast different aspects of micro, macro environment and international environment.
CO-5 Critically evaluate the business environment and competitive strategies with the challenges faced by Indian economy.
CO-6 Formulate approaches to understand competition, international environment and new trends with its impact on the organization.

Course: Principles of Management

COURSE OUTCOMES
CO-1 Define the important terms of management and organization.
CO-2 Discuss the importance of planning, organizing, directing, coordinating and controlling for management.
CO-3 Examine the steps in planning and decision-making.
CO-4 Distinguish between the formal and informal organizations and assess the difference in their working pattern.
CO-5 Critically evaluate the significance of the span of control in the smooth functioning of the organization/management.
CO-6 Design an organization's structure by implementing 14 principles of management.

Course: Principles of Marketing

COURSE OUTCOMES
CO-1 Describe some terms of marketing and its concepts.
CO-2 Understand and explain the different features and aspects of marketing and product.
CO-3 Examine some crucial roles and importance of packing and packaging.
CO-4 Compare and contrast different aspects of marketing and selling in regards to market and organization.
CO-5 Critically evaluate the importance of orientations of firms and pricing strategies.
CO-6 Formulate approaches to understand consumer behaviour and new trends in marketing.

SEMESTER III

Course: Business Planning and Entrepreneurial Management

COURSE OUTCOMES
CO-1 Define the important terms under entrepreneurship and business. CO-2 Discuss the important aspects of development, entrepreneurship and organization. CO-3 Examine the theories of entrepreneurship and methods of marketing. CO-4 Compare and contrast creativity, invention and innovation. CO-5 Critically evaluate the problems in developing new ideas. CO-6 Design a business plan to demonstrate the working of an organization.

Course: Foundation Course III (Environmental Management)

COURSE OUTCOMES
CO-1 Define the different concepts of Environmental management. CO-2 Understand and discuss the various concepts of Environmental management. CO-3 Analyze the impacts on the environment and different sustainability techniques to manage it. CO-4 Appraise voluntary and involuntary measures adopted for Environmental conservation. CO-5 Evaluate the causes of Environmental Issues and compare the Legal, Governmental and International provisions to counter them. CO-6 Propose & implement sustainable solutions for Environmental conservation.

Course: Strategic Management

COURSE OUTCOMES
CO1 – Define the different terms and concepts in strategic management. CO2 – Discuss strategy formulation in a business environment. CO3 – Examine the environment of business for assessing different factors that impact a business. CO4 – Investigate the process of strategic implementation. CO5 – Summarize the strategy of the business. CO6 – Develop a strategy implementation program.

Course: Accounting for Managerial Decision

COURSE OUTCOMES

- CO-1** Define the important terms of management accounting and the various tools used.
- CO-2** Explain various tools used for management accounting.
- CO-3** Analyze the financial statement using various ratios.
- CO-4** Compare Fund Flow Statement and Cash Flow Statement
- CO-5** Evaluate the concept of management accounting and its significance in the business.
- CO-6** Generalize the conceptual framework of the Management Accounting

Course: Information Technology in Business Management - I

COURSE OUTCOMES

- CO-1** Define basic terms of Information Technology, its support and role in Management, for managers.
- CO-2** Understand different commands of MS word, MS Excel and MS PowerPoint
- CO-3** Examine the basic concepts of Email, Internet and websites, domains and security.
- CO-4** Compare and contrast the security aspects of IT in business, highlighting electronic transactions, advanced security features.
- CO-5** Critically evaluate the case studies for E-commerce and cyber threats
- CO-6** Formulate the approaches to work on Outlook.

Course: Corporate Finance

COURSE OUTCOMES

- CO-1** Define important terms of corporate finance, leverage, time value of money, mobilization of funds.
- CO-2** Discuss and recognize various types of treatment required for solving various illustrations.
- CO-3** Solve various illustrations based on capital structure, Leverage, Cost of capital Time value of Money.
- CO-4** Categorize between various formats of capital structure, leverages, time value of money, capital budgeting.
- CO-5** Estimate the value of various finances under different structures.
- CO-6** Create Ideal capital structure.

Course: Equity and Debt Market

COURSE OUTCOMES

- CO-1** Define some important terms of the primary market and secondary market in equity market.
- CO-2** Discuss the role and functioning of the market.
- CO-3** Examine the legislative, executive and judicial functions of such regulatory authorities.
- CO-4** Investigate the concepts of IPO, Book Building, Red Herring Prospectus.
- CO-5** Summarize the evolution, functioning and growth of fixed income securities.
- CO-6:** Generalize the workings of different regulatory agencies and how they affect the daily operations of all business.

Course: Consumer Behavior

COURSE OUTCOMES

- CO-1** Describe some important terms of consumer behavior.
- CO-2** Understand and explain different aspects of consumer behavior in reference to their profiles, needs, behavior in group and change and formation of attitude.
- CO-3** Examine some consumer decision-making processes, recognition of needs, cultural influences, innovation and adoption.
- CO-4** Compare and contrast buyers and their influences.
- CO-5** Critically evaluate the theories and models of consumer behavior
- CO-6** Formulate approaches to study various changes in consumer buying behavior.

Course: Advertising

COURSE OUTCOMES

- CO1:** Define the terms of advertising.
- CO2:** Explain the important concepts and theories of advertising.
- CO3:** Examine the role of advertising agencies and creativity in developing effective advertisements for advertisers.
- CO4:** Compare and contrast the creativity in advertising.
- CO5:** Evaluate current trends and careers in advertising.
- CO6:** Design an advertisement and study the impact on consumers.

COURSE: Recruitment and Selection

Course Outcomes	
CO 1	Describe concepts of recruitment, job analysis and design.
CO 2	Understand and explain the concept of selection and its process.
CO 3	Examine crucial aspects of induction and training program.
CO 4	Compare and contrast different aspects of recruitment and its sources.
CO 5	Critically evaluate the importance of soft skills in the corporate world.
CO 6	Formulate the strategies for a good recruitment plan.

COURSE: Organizational Behaviour

Course Outcomes	
CO 1	Understand the aspect of organization behavior in detail and learn the implementation of the same in real world.
CO 2	Compare the conflict management techniques and formulate the use of rewards and punishments to resolve conflicts.
CO 3	Examine the fundamental aspects of various issues associated with Human Resource Management as a whole.
CO 4	Describe performance appraisal, compensation and career planning in regards to human resource management.
CO 5	Critically evaluate the overview of Organization Behaviour as a separate area of management.
CO 6	Elaborate basic functions of human resource management and how it can result in employee satisfaction.

SEMESTER IV

Course: Business Economics II

COURSE OUTCOMES
CO-1 Define important concepts of macroeconomics analysis. CO-2 Discuss the importance of the study of macroeconomics. CO-3 Examine the application of the study of macroeconomics theory into business. CO-4 Categorize the various important macroeconomics concepts. CO-5 Evaluate the application of macroeconomics theory into business decisions. CO-6 Generalize the macroeconomic theories and construct a new modern economic theory of business.

Course: Financial Institutions and Markets

COURSE OUTCOMES
CO-1 Define financial system, financial market and financial instruments. CO-2 Discuss role of regulators in financial system CO-3 Examine role of development financial institutions. CO-4 Compare capital market and money market CO-5 Evaluate reforms in money market and capital market CO-6 Create an ideal financial design of a financial system

Course: Business Research Methods

COURSE OUTCOMES
CO-1 Describe key aspects of Research. CO-2 Understand Steps of Research design. CO-3 Examine Data analysis of research. CO-4 Appraise stages of data processing. CO-5 Choose the appropriate methods of conducting research. CO-6 Create a Research Report.

Course: Foundation Course IV (Ethics and Governance)

COURSE OUTCOMES
CO-1 Describe some important terms of ethics.
CO-2 Understand and explain the different aspects of ethics, corporate governance and corporate social responsibility.
CO-3 Examine some crucial aspects of ethics, corporate governance and corporate social responsibility.
CO-4 Compare and contrast different aspects of ethics in life and organization.
CO-5 Critically evaluate the theories and guidelines of corporate governance and corporate social responsibility.
CO-6 Formulate approaches to create awareness in regards to various aspects of ethics, corporate governance and corporate social responsibility in the organization.

Course: Information Technology in Business Management II

COURSE OUTCOMES
CO-1 Define important terms of managerial decision making and to develop perspective of major functional areas of MIS
CO-2 Understand the concept of Enterprise Resource Planning, Customer relationship Management and Supply Chain Management
CO-3 Examine the concept of emerging MIS technologies
CO-4 Analyze the relationship between database management and data warehouse approaches
CO-5 Summarize the concept of outsourcing.
CO-6 Generalize the major Trends in Information Technology in Business Management

Course: Event Marketing

COURSE OUTCOMES
CO-1 Describe some important terms of the events industry.
CO-2 Understand and explain the different components of product and network in events.
CO-3 Examine some crucial aspects of events in India
CO-4 Compare and contrast different aspects of safety and crisis in event marketing.
CO-5 Critically evaluate the importance of pricing decisions and career in event management.
CO-6 Formulate approaches to study various concepts and growth of the event industry in India.

Course: Integrated Marketing Communication

COURSE OUTCOMES
CO-1 Define the concepts of Integrated marketing communication. CO-2 Discuss the use of IMC models for organizations. CO-3 Apply the various tools of integrated marketing communication for making effective advertisement. CO-4 Differentiate between sales promotion, public relation, publicity and direct marketing. CO-5 Evaluate the impact of ethical issues in advertising. CO-6 Plan an IMC program for developing brand equity.

Course: Production and Total Quality Management

COURSE OUTCOMES
CO-1 Describe some important terms of production and total quality management. CO-2 Discuss the features, objectives and importance of various important terms of production and quality management with inventory systems. CO-3 Examine some features of plant layout and inventory management aspects. CO-4 Compare and contrast different aspects of quality engineering. CO-5 Critically evaluate the important concepts of production and total quality management. CO-6 Formulate approaches to study various concepts in regards to organizations.

Course: Strategic Cost Management

COURSE OUTCOMES
CO-1 Define the important terms of and resolve cases through strategic decision making. CO-2 Discuss the use of Standard costing Application of Marginal costing CO-3 Apply appropriate cost allocation techniques to a variety of costing problems. CO-4 Differentiate between traditional costing and alternative costing methodologies and their applications CO-5 Evaluate the various developments in Cost Management CO-6 Develop strategies for managing costs

COURSE: HR Planning and Information Systems

Course Outcomes	
CO 1	Understand the concept of Human Resource Planning
CO 2	Describe the ways of matching job requirements and Human Resource Availability
CO 3	Compare and contrast the concepts of strategic HRP and application of HR planning and information system.
CO 4	Examine the ways through which Information systems help strategizing human resource management.
CO 5	Describe the data information needs for HR manager.
CO 6	Critically evaluate the impact of information systems on human resource management.

COURSE: Training and Development in HRM

Course Outcomes	
CO 1	Describe overview of training and development.
CO 2	Evaluate the concept of management development in regards to Human Resource Management.
CO 3	Understand the concepts of Performance measurement, Talent management & Knowledge management.
CO 4	Compare and contrast training needs of employees and resources to meet the same.
CO 5	Critically evaluate knowledge management and its aspects in real world.
CO 6	Examine important concepts of talent management and its impact on organization.

SEMESTER V

Course: Corporate Communication & Public Relations

COURSE OUTCOMES

- CO-1** Define and introduce the various elements of corporate communication and public relations and consider their roles in managing organizations
- CO-2** Understand and classify key concepts of corporate communication and public relations.
- CO-3** Examine how various elements of corporate communication must be coordinated to communicate effectively in today's competitive world.
- CO-4** Compare and contrast the different practices associated with corporate communication with the latest trends and social media tools.
- CO-5** Critically evaluate the theories of public relations
- CO-6** Construct effective corporate communication and public relation plans/strategies.

Course: Logistics & Supply Chain Management.

COURSE OUTCOMES

- CO-1** Define logistics & supply chain management.
- CO-2** Discuss the overview of logistics & supply chain management.
- CO-3** Examine the various logistics activities into supply chain management.
- CO-4** Categorize the methods of transportation and materials management in supply chain management system
- CO-5** Evaluate the logistics activities in supply chain management system.
- CO-6** Measure the impact of logistics activities in supply chain management.

Course: Commodity & Derivative Market

COURSE OUTCOMES

- CO-1** Define the important concepts of various derivative products such as futures, options, and swaps
- CO-2** Discuss the functioning of commodities Derivative markets
- CO3.** Examine the hedging models in assessing price risk of various derivatives product.
- CO4.** Analyse value at risk for various derivatives.
- CO5.** Evaluate the mechanism of commodity derivative trading.
- CO6.** Generalize the trading strategies for profit and risk management.

Course: Investment Analysis and Portfolio management

COURSE OUTCOMES

- CO-1** Define key aspects in investment analysis and portfolio management
- CO-2** Discuss Portfolio management and techniques of asset allocation
- CO-3** Solve sums on Portfolio evaluation, Risk return relationship, Beta.
- CO-4** Differentiate Fundamental and technical analysis in detail.
- CO-5** Evaluate portfolio based on Sharpe, Treynor, Jensen measure
- CO-6** Create a portfolio for your client

Course: Wealth Management

COURSE OUTCOMES

- CO-1** Describe overview of various aspects related to wealth management
- CO-2** Discuss relevance and importance of wealth management
- CO-3** Demonstrate various components of wealth management
- CO-4** Inspect issues related to taxation in wealth management
- CO-5** Evaluate different areas of wealth management
- CO-6** Design a comprehensive wealth plan for your client

Course: Direct Tax

COURSE OUTCOMES

- CO-1** Define the various incomes under the major heads based on their respective charging section.
 - CO-2** Understand and explain the various incomes that are exempt or can be taken as deduction from taxable income.
 - CO-3** Illustrate how incomes are assessed under the major heads of income.
 - CO-4** Debate on the advantages and disadvantages of the amendments that are brought about by the Finance Act 2021.
 - CO-5** Using a numerical example, measure the income taxable under the various heads of incomes.
 - CO-6** Prepare a tax plan for an individual who has income from salary, capital gains and income from other sources.
- Formulate methods to determine the taxability and the various benefits that can be availed under the Act.

Course: Service Marketing

COURSE OUTCOMES

- CO-1** Describe the concept of service marketing and its impact on economy.
- CO-2** Discuss the key elements of service marketing.
- CO-3** Examine the factors influencing quality of service with the help of service quality models.
- CO-4** Analyze the international and global strategies in service marketing.
- CO-5** Evaluate opportunities in service sectors by understanding recent trends in service marketing.
- CO-6** Design a service marketing plan using elements of service marketing mix.

Course: Electronic Commerce and Digital Marketing

COURSE OUTCOMES

- CO-1** Define the important terms of E-Commerce and its applications.
- CO-2** Discuss the applications in Business and various sectors.
- CO-3** Examine and use payment system in e-commerce.
- CO-4** Compare and contrast the Ecommerce Laws in India and the world.
- CO-5** Evaluate the digital marketing activities on various social media platforms and its emerging significance in business.
- CO-6** Generalize the trends in ecommerce and digital marketing with its challenges and opportunities for an organization.

Course: Sales and Distribution Management

COURSE OUTCOMES

- CO-1** Define various concepts of sales and marketing in reference to sales management.
- CO-2** Understand and explain the different concepts of sales and distribution in an organization.
- CO-3** Examine some theoretical concepts of sales management in an organization.
- CO-4** Compare and contrast different aspects of distribution and selling.
- CO-5** Critically evaluate the closing and the success ratio of sales, ethics and new trends.
- CO-6** Formulate approaches to enhance efficiency and control over channels and their members.

Course: Customer Relationship Management

COURSE OUTCOMES

CO-1 Define the important terminologies under customer relationship management for organizations.

CO-2 Discuss the concept of customer relationship management and implementation of customer relationship management.

CO-3 Examine CRM marketing initiatives and relate it with real marketing examples.

CO-4 Analyze quality issues faced in collecting data and ways to resolve it.

CO-5 Evaluate and provide insight into CRM marketing initiatives, customer service and designing CRM strategy.

CO-6 Generalize the opportunities and challenges of CRM for organizations.

SEMESTER VI

Course: Operations Research

COURSE OUTCOMES
CO-1 Define key concepts in operations research. CO-2 Discuss decision making models in operations research. CO-3 Solve sums on decision making models for business. CO-4 Analyze the decision models and test for optimalities. CO-5 Evaluate the decision-making models and estimate the optimal value. CO-6 Derive accurate decision based on the techniques of operations research.

Course: International Finance

COURSE OUTCOMES
CO-1 Describe key concepts in international finance. CO-2 Understand Monetary systems, World financial markets, Exchange rate risk. CO-3 Solve Forex quotations, Arbitrage, forward rate, interest rate arbitrage, Capital budgeting CO-4 Investigate Foreign exchange market and its participants. CO-5 Evaluate Risk in international financial markets. CO-6 Derive exchange rates and arbitrage profits during trading.

Course: Innovative Financial services

COURSE OUTCOMES
CO-1 Describe fund based and fee-based financial services CO-2- Discuss Framework of various financial services CO-3 Examine process of Issue management carried out by intermediaries CO-4 Compare fee-based and fund based financial services CO-5 Evaluate growth of innovative financial service in India CO-6 Generalize the various financial services

Course: Brand Management

COURSE OUTCOMES
CO-1 Define the important terms of branding.
CO-2 Discuss the importance of brand equity for building image of a product in consumer's mind.
CO-3 Classify the elements of a brand and the various strategies which helps in developing equity of a brand.
CO-4 Analyze models of brand equity and its practical usage
CO-5 Evaluate the concept of brand architecture, brand hierarchy, brand extension and cause marketing.
CO-6 Generalize equity for a brand with the help of brand equity models.

Course: Retail Management

COURSE OUTCOMES
CO-1 Define the important terms of retail management.
CO-2 Understand the importance of retail sectors for economic growth.
CO-3 Examine the emerging trends in retail sector and relate it with changing needs of retail consumers
CO-4 Analyze the significance of merchandise management, store layout, store design, store planning and layout for the growth of retail stores.
CO-5 Evaluate the legal/permission required to start retail store in India.
CO-6 Create a plan for managing and sustaining retail.

Course: International Marketing

COURSE OUTCOMES
CO-1 Define the key concepts of international marketing.
CO-2 Discuss the need for undertaking marketing for mitigating challenges in international marketing.
CO-3 Illustrate the various methods and challenges of international marketing.
CO-4 Compare the various methods of entry for products and for services in international marketing.
CO-5 Defend the strategies used for international marketing.
CO-6 Create a marketing plan for an international product/ service after conducting marketing research

Course: Media Planning and Management

COURSE OUTCOMES

- CO-1** Describe the basic characteristics of all media to ensure most effective use of advertising budget
- CO-2** Understand Media Planning, Strategy and Management with reference to current business scenario
- CO-3** Examine the Media Planning Elements and objectives
- CO-4** Inspect the Media Planning, Budgeting, Scheduling techniques
- CO-5** Evaluate the different Media Buys
- CO-6** Design media strategies and plans

Course: Strategic Financial Management

COURSE OUTCOMES

- CO-1** Describe the applicability of the concept of Financial Management to understand the managerial Decisions and Corporate Capital Structure
- CO-2** Explain the success of projects, strategies and even total businesses by articulating NPVs over time
- CO-3** Examine the significance of cash flow and working capital management.
- CO-4** Analyze strategic financial management which can fit in an integrative model.
- CO-5** Evaluate basic finance management knowledge
- CO-6** Generalize the current market scenario and upgrade the skills and knowledge of long-term sustainability.

Course: Indirect Tax

COURSE OUTCOMES

- CO-1** Define the important terms under GST.
- CO-2** Understand and explain the various types of GST and how their liability is determined.
- CO-3** Considering the growth of turnover in a business, examine how and when GST liability arises and when it has to be paid.
- CO-4** Inspect the major changes that were brought about by introduction of GST.
- CO-5** Based on the concept of supply, summarize the supplies that would and would not attract GST liability.
- CO-6** Prepare a presentation showing the procedure of taking GST registration, applying for composition scheme, converting into normal taxation, taking input tax credit and paying final GST liability on the GST portal.

**PROGRAM- Bachelor of Arts in
Multimedia and Mass
Communication**

PROGRAM CODE: NA

PROGRAM OUTCOMES

- PO1** Critical Thinking
- PO2** Effective Communication
- PO3** Social Interaction
- PO4** Effective Citizenship
- PO5** Ethics
- PO6** Environment and Sustainability
- PO7** Self- Directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES



Semester I

Course: Effective Communication I

COURSE OUTCOMES

- CO-1** Understand what is communication.
- CO-2** Describe the technical and general communication.
- CO-3** Present various types of reading.
- CO-4** Analyse how a perfect presentation is made.
- CO-5** Review the translation and importance of language used.
- CO-6** Create a project on communication.

Course: Foundation Course I

COURSE OUTCOMES

- CO-1** Describe some important features of society and its structure with special reference to India and substance abuse.
- CO-2** Understand and explain the different features and problems of life in Indian Society.
- CO-3** Examine some crucial aspects of life in India.
- CO-4** Compare and contrast different aspects of life in Indian society.
- CO-5** Critically evaluate the importance of crucial values in a society.
- CO-6** Formulate approaches to resolve various issues faced by Indian society.

Course: Fundamentals of Mass Communication

COURSE OUTCOMES

- CO-1** Describe some important features of communication.
- CO-2** Understand and explain the different important aspects of mass communication and its transformation.
- CO-3** Examine the contemporary scene of communication and the economic impact of mass communication.
- CO-4** Compare and contrast the challenges of new media.
- CO-5** Critically evaluate the models of communication and the changes in the country.
- CO-6** Formulate approaches to measure the impact of forms of mass communication and the impact of mass media on society.

Course: History of Media

COURSE OUTCOMES

- CO-1** Outline the history of media in India through the help of key events and major developments.
- CO-2** Understand the role and impact of various forms of media.
- CO-3** Illustrate the value of using multiple techniques for various forms of media.
- CO-4** Compare and contrast the new developments in various forms of media.
- CO-5** Arrange the work of eminent media personalities of Indian media in context to the contemporary society.
- CO-6** Present the contribution of various media icons to the growth and development of various forms of Indian media.

Course: Current Affairs

COURSE OUTCOMES

- CO-1** Describe current developments in various fields.
- CO-2** Explain burning issues covered in media.
- CO-3** Apply basic understanding of politics, economics, environment & technology to write a report.
- CO-4** Appraise interest in reading newspapers and staying updated.
- CO-5** Investigate various issues in the contemporary society.
- CO-6** Develop technological skills for getting an understanding of the society.

Course: Visual Communication

COURSE OUTCOMES

- CO-1** Describe the history and the importance of visual communication.
- CO-2** Discuss visual communication as a process and expression and the psychological implications of Colour.
- CO-3** Employ the various key concepts and tools of visual communication.
- CO-4** Appraise the various theories, elements of design, ethics, and impact of visual communication.
- CO-5** Critically evaluate the visuals presented in the media.
- CO-6** Create visuals and a strategy to make it viral on traditional and social media.

Semester II

Course: Effective Communication II

COURSE OUTCOMES
CO-1 Define writing, organizational writing and report writing. CO-2 Explain the format of a report. CO-3 Edit various reports and stories. CO-4 Analyze paraphrasing with the help of an example. CO-5 Experiment and interpret technical data. CO-6 Design a report.

Course: Foundation Course II

COURSE OUTCOMES
CO-1 Define certain concepts from the fields of Commerce Human rights Ecology and Psychology. CO-2 Understand and explain certain concepts from the fields of Commerce Human rights Ecology and Psychology. CO-3 Examine the relationship between different aspects of the physical and psychosocial environment and human life and development. CO-4 Distinguish between certain aspects of conflicts in society. CO-5 Evaluate the impact of different aspects of globalization on everyday life in India. CO-6 Formulate approaches to resolve various issues related to stress and conflict in society.

Course: Content Writing

COURSE OUTCOMES
CO-1 List and define various key aspects of grammar. CO-2 Summarize snippets and tickers. CO-3 Demonstrate presentation skills in a three-minute presentation using the tools available. CO-4 Analyze written content and arrange the structure of a story. CO-5 Evaluate similarities and differences of print and digital writing. CO-6 Create a sample ad campaign.

Course: Introduction to Journalism

COURSE OUTCOMES
CO-1 Identify and define all vital terms under introductory journalism. CO-2 Discuss relevant and current issues of affairs related to the state and nation. CO-3 Use techniques of news selection and understand the news process. CO-4 Investigate the crux of news stories and categorize beats. CO-5 Choose the right career in journalism by monitoring relevant fields. CO-6 Design and construct news stories using the principles of journalism.

Course: Introduction to Advertising

COURSE OUTCOMES
CO-1 Describe the elements of advertising and its various forms. CO-2 Review the key concepts of advertising with special reference to ethics, creativity and Integrated Marketing Communication (IMC). CO-3 Illustrate the creativity used in advertising through different tools and theories. CO-4 Inspect ethics in advertising. CO-5 Judge the importance of new media in advertising. CO-6 Design a roadmap for advertising for a product/ service using various tools.

Course: Media, Gender and Culture

COURSE OUTCOMES
CO-1 State the significance of culture and the media industry. CO-2 Recognize the association between the media, gender, and culture in the society. CO-3. Illustrate the changing perspectives of media, gender and culture in the globalized era. CO-4 Question the importance of gender equality in the society. CO-5 Measure the increasing significance of Globalization. CO-6 Formulate the application and significance of Digital media, Gender & Culture.

SEMESTER III

Course: Theatre and Mass Communication I

COURSE OUTCOMES

- CO-1** Describe the history and growth of theatre.
- CO-2** Review different traditions of theatre.
- CO-3** Discuss the theatre different architecture and designs.
- CO-4** Recreate the important plays like Romeo and Juliet, Shantana! Court Chalu Aahe.
- CO-5** Distinguish between the past and present ways of theatre management.
- CO-6** Conduct a study on the workings of a theatre.

Course: Film Communication I

COURSE OUTCOMES

- CO-1** Recognize the liking and understanding of good cinema.
- CO-2** Discuss a brief history of movies and the major cinema movements.
- CO-3** Apply the power of visuals and sound and the ability to make use of them in effective communication.
- CO-4** Compare and get an insight into film techniques and aesthetics.
- CO-5** Ascertain cinema with a new perspective.
- CO-6** Create a good documentary or short film.

Course: Computers and Multimedia I

COURSE OUTCOMES

- CO-1** List and describe the basic and key concepts of various editing software's.
- CO-2** Discuss the industry usage of different editing and creating software.
- CO-3** Apply the tools and techniques available on various editing software's.
- CO-4** Compare and analyse different software's for different projects.
- CO-5** Evaluate the various tools and techniques of different software's.
- CO-6** Design a campaign for a product/ service.

Course: Introduction to Photography

COURSE OUTCOMES
CO-1 Describe the key concepts of photography. CO-2 Discuss the different types of lenses in photography. CO-3 Illustrate the techniques of photography in a photoshoot. CO-4 Categorize different types of lights and their usage in photography. CO-5 Summarize the composition of a camera. CO-6 Create a portfolio of different styles of photos.

Course: Corporate Communications and Public Relations

COURSE OUTCOMES
CO-1 Define and introduce the various elements of corporate communication and public relations and consider their roles in managing organizations CO-2 Classify key concepts of corporate communication and public relations. CO-3 Examine how various elements of corporate communication must be coordinated to communicate effectively in today's competitive world. CO-4 Compare and contrast the different practices associated with corporate communication with the latest trends and social media tools. CO-5 Critically evaluate the theories of public relations CO-6 Construct effective corporate communication and public relation plans/strategies.

Course: Media Studies

COURSE OUTCOMES
CO-1 Describe some important terms of media studies. CO-2 Understand and explain the different important aspects of media theories, behaviour and media effects. CO-3 Examine the effect of media studies on audience and politics (Vice Versa). CO-4 Compare and contrast of the media effect on audience with the help of theories. CO-5 Critically evaluate the media theories and their impact. CO-6 Formulate approaches to study the impact of media in the recent times.

SEMESTER IV

Course: Theatre and Mass Communication II

COURSE OUTCOMES
CO-1 Define in detail about play writing. CO-2 Discuss the structure of a play. CO-3 Recreate the plays. CO-4 Analyze the direction and rehearsal techniques of a play. CO-5 Evaluate the business aspects of theatre. CO-6 Develop a play and its elements.

Course: Computers and Multimedia II

COURSE OUTCOMES
CO-1 List and describe the key concepts of various editing software's. CO-2 Discuss the industry usage of each separate editing and creating software. CO-3 Apply the tools and techniques available on various editing software's. CO-4 Compare and analyze different software's for various projects. CO-5 Design a campaign for a product/ service. CO-6 Evaluate the various tools and techniques of different software's.

Course: Film Communication II

COURSE OUTCOMES
CO-1 Outline the cinema from different regions and understand the process of film making. CO-2 Understand the contribution of cinema in society. CO-3 Apply various technical and grammatical rules to filmmaking. CO-4 Debate the use of mass communication in filmmaking and its marketing. CO-5 Evaluate the economic aspects of film. CO-6 Propose a new script for a meaningful film.

Course: Writing and Editing for Media

COURSE OUTCOMES
CO-1 State and define the elements of various forms of written media. CO-2 Recognize the features and methods of writing for various media. CO-3 Employ various techniques of writing for different media. CO-4 Collect methods and elements of writing for various forms of digital media. CO-5 Support the growth of digital media and the necessity of accuracy in writing. CO-6 Develop new formats of writing for various forms of digital media.

Course: Mass Media Research

COURSE OUTCOMES
CO-1 Describe some important features of research and semiotics. CO-2 Understand and explain the important aspects of research and sampling. CO-3 Examine the types of research and its components. CO-4 Compare and contrast the challenges of variables. CO-5 Critically evaluate data collection tools and content analysis. CO-6 Formulate approaches to measure and evaluate the tools of data collection.

Course: Media Laws and Ethics

COURSE OUTCOMES
CO-1 List the laws that impact the media. CO-2 Recognize the work of social and ethical responsibility of media. CO-3 Illustrate the work of Judiciary with the help of different laws. CO-4 Analyse Self -Regulatory bodies and their role in providing ethical guidance to different media. CO-5 Evaluate critically fake news in its different forms. CO-6 Present different laws and their ethical background.

SEMESTER V

Course: Agency Management

COURSE OUTCOMES
CO-1 Define the key concepts related to ad agencies and entrepreneurship. CO-2 Explain the processes and methods used by various ad agencies and their departments. CO-3 Demonstrate the client-agency relationship by using certain tools. CO-4 Critically evaluate the tools used by ad agencies for its various functions. CO-5 Evaluate the processes and methods employed by ad agencies for new media and business. CO-6 Design speculative and real advertising campaigns.

Course: Advertising and Marketing Research

COURSE OUTCOMES
CO-1 Define the need and importance of the key aspects of advertising research. CO-2 Discuss the objectives and process of various aspects of advertising research. CO-3 Apply the various tools for data collection and analysis for advertising research. CO-4 Categorize and analyse the data and tools of data analysis for advertising research. CO-5 Evaluate the various aspects of advertising research. CO-6 Create a research report using all the tools and aspects of advertising research.

Course: Brand Building

COURSE OUTCOMES
CO-1 List and define the various key concepts of a brand and its branding. CO-2 Discuss identity and personality of domestic and global brands. CO-3 Employ various methods for brand building. CO-4 Inspect the various strategies used for brand building. CO-5 Support the efforts of brand building using various models and techniques. CO-6 Design a CSR campaign as an effort for brand building.

Course: Copywriting

COURSE OUTCOMES
CO-1 Define copywriting and related terminologies. CO-2 Understand the various elements of copywriting. CO-3 Analyse the requirements of various age groups while writing copy. CO-4 Investigate the copy of various media in the current scenario. CO-5 Evaluate various execution techniques. CO-6 Design a copy for given topic.

Course: Direct Marketing and E Commerce

COURSE OUTCOMES
CO-1 Describe important terms of direct marketing and e-commerce. CO-2 Understand and discuss various tools of direct marketing and database management. CO-3 Examine online and offline business in contemporary times. CO-4 Compare and contrast integrated marketing communication and direct marketing. CO-5 Critically evaluate the market research and testing with the integration of direct marketing. CO-6 Formulate approaches to design a website and ensure implementation.

Course: Consumer Behavior

COURSE OUTCOMES
CO-1 Understand the importance of consumer behaviour to marketers. CO-2 Discuss the factors influencing consumer buying behaviour and implications on marketers. CO-3 Explain the impact of perception and learning in consumer buying behaviour. CO-4 Analyse the significance of consumer decision making process on developing marketing strategies. CO-5 Critically evaluate the factors influencing consumer behaviour CO-6 Compose a report on adoption and diffusion process of a consumer and its effects on marketers.

Course: Investigative Journalism

COURSE OUTCOMES
CO-1 Define the role of the practice of investigative journalism. CO-2 Review the methods used by investigative journalists. CO-3 Apply the knowledge of writing and research to write a story. CO-4 Appraise the methods of conducting investigative research in an ethical manner. CO-5 Evaluate the practice of investigative journalism with the help of existing cases. CO-6 Devise new ways of conducting research for an investigative story.

Course: Reporting

COURSE OUTCOMES
CO-1 Define the role of reporters in the field of Journalism. CO-2 Understand basic ethos of the news and news-gathering. CO-3 Write or present the copy in the format of news. CO-4 Investigate the various beats and develop a nose for each one of them. CO-5 Defend journalistic ethics and become responsible reporters and the face of media. CO-6 Devise plans and acquire the skills of news-gathering with traditional as well as modern tools.

Course: Writing and Editing Skills

COURSE OUTCOMES
CO-1 Define the various terms and genres of a newspaper. CO-2 Review various elements of editing. CO-3 Employ different techniques of writing and editing. CO-4 Compare and contrast the necessary skills of an editor. CO-5 Investigate different types of interview. CO-6 Create a sample resume.

Course: Media Laws and Ethics

COURSE OUTCOMES
CO-1 Understand the laws that impact the media CO-2 Discuss the ethical responsibilities of the media CO-3 Classify the challenges of fake news and misinformation in a new changing ecosystem of news and information. CO-4 Investigate the history of different laws that help media to self-regulate their actions. CO-5 Evaluate the need for ethics and self-regulation in media. CO-6 Synthesize the core principles of Journalism and critically examine ethical journalism as a weapon to combat unethical journalism.

Course: Business and Financial Journalism

COURSE OUTCOMES
CO-1 Describe the role of a business journalist in the society. CO-2 Discuss the different aspects of the stock exchange and the equity market. CO-3 Demonstrate the impact of various factors on the financial sector. CO-4 Inspect the reportage on new businesses and problem cases in the financial sector. CO-5 Defend the role of regulatory bodies in the financial sector. CO-6 Compose a report on an existing case study in business and financial journalism.

Course: Journalism and Public Opinion

COURSE OUTCOMES
CO-1 Define the role of media in influencing and impacting public opinion. CO-2 Understand the co-relation of the media on public opinion on socio-economic issues. CO-3 Analyse the role of digital and social media in the formation of public opinion. CO-4 Appraise theoretical framework of research on media and society. CO-5 Revise knowledge of media and operations according to the changing times. CO-6 Plan effective use of media for shaping public opinion and thereby policies.

SEMESTER VI

Course: Digital Media

COURSE OUTCOMES
CO-1 Describe the significance of digital media. CO-2 Understand the applications of digital marketing in various sectors. CO-3 Illustrate the various methods of Digital marketing. CO-4 Debate the significance of Cyber Laws in India. CO-5 Choose the most appropriate form of digital marketing for a project. CO-6 Design a digital marketing plan using social media platform.

Advertising

Course: Entertainment and Media Marketing

COURSE OUTCOMES
CO-1 Define the key concepts of various forms of marketing for entertainment media. CO-2 Discuss the various methods of entertainment marketing used by different mediums. CO-3 Employ multiple techniques of entertainment marketing and examine its impact. CO-4 Inspect the growth and relevance of niche mediums of entertainment marketing. CO-5 Evaluate the prominent existing cases of entertainment marketing. CO-6 Develop a marketing plan for a content piece of multiple mediums.

Course: Brand Management

COURSE OUTCOMES
CO-1 Define the important terms of branding. CO-2 Discuss the importance of brand equity for building image of a product in consumer's mind. CO-3 Classify the elements of a brand and the various strategies which helps in developing equity of a brand. CO-4 Analyze models of brand equity and its practical usage CO-5 Evaluate the concept of brand architecture, brand hierarchy, brand extension and cause marketing. CO-6 Generalize equity for a brand with the help of brand equity models.

Course: Media Planning and Buying

COURSE OUTCOMES
CO-1 Define the key concepts and tools of media planning and buying. CO-2 Discuss the various tools and machinery available to the practice of media planning and buying. CO-3 Illustrate the media planning and buying strategies with the help of tools, media measurement devices and negotiation strategies. CO-4 Investigate the various market conditions and modes of advertising for a perfect media buying strategy. CO-5 Critically evaluate the media vehicles available and their validity. CO-6 Organize data collected through market research for media planning and buying.

Course: Advertising in Contemporary society

COURSE OUTCOMES
CO-1 Define liberalization, privatization, globalization. CO-2 Discuss the various effects of liberalization, privatization, globalization in advertising. CO-3 Examine different types of advertising. CO-4 Analyze the new mediums of advertising. CO-5 Assess different type of advertising in contemporary society. CO-6 Conduct case study on marketing and advertising and effects of social marketing.

Course: Advertising Design

COURSE OUTCOMES
CO-1 List and define the key concepts and aspects of advertising designing. CO-2 Discuss project management and overview of project planning CO-3 Illustrate ways to overcome obstacles in an advertising campaign. CO-4 Compare and contrast the tools and techniques available for advertising design. CO-5 Summarize the different levels of visual representation aids. CO-6 Design a complete advertising campaign for a product/ service.

Journalism

Course: Contemporary Issues

COURSE OUTCOMES

- CO-1** List social movements relevant to contemporary issues.
- CO-2** Discuss the dynamics of different social movements.
- CO-3** Examine economic growth in different countries in detail.
- CO-4** Analyze the importance of advertising with respect to aspects like crime, politics, tourism, agricultural growth etc.
- CO-5** Investigate the changing trends in politics, economy etc.
- CO-6** Plan a field trip to social workers place or participate in a social cause.

Course: Lifestyle Journalism

COURSE OUTCOMES

- CO-1** Define the elements of good lifestyle journalism.
- CO-2** Discuss the various forms of lifestyle journalism.
- CO-3** Use the tools and mediums of lifestyle journalism to write a story.
- CO-4** Appraise the different writing styles and its influences on lifestyle journalism.
- CO-5** Critically evaluate the power of marketing, and collaborations in the fashion and lifestyle world.
- CO-6** Organize the existing information on fashion and lifestyle.

Course: Television Journalism

COURSE OUTCOMES

- CO-1** Describe the history and characteristics of television journalism.
- CO-2** Classify television journalism into multiple aspects and review them.
- CO-3** Examine the effectiveness of the emerging trends in television journalism.
- CO-4** Appraise the current status of television journalism.
- CO-5** Critically evaluate the various aspects of television journalism.
- CO-6** Develop content for various forms of television journalism.

Course: Crime Journalism

COURSE OUTCOMES
<p>CO-1 Define the key concepts of crime reporting.</p> <p>CO-2 Discuss the elements of crime reporting and law enforcement machinery of India.</p> <p>CO-3 Apply various tools and techniques to the practice of crime reporting.</p> <p>CO-4 Analyze the key aspects of crime journalism in India.</p> <p>CO-5 Evaluate the various methods of investigations for crime reporting in India.</p> <p>CO-6 Create a report on the crime journalism in India.</p>

Course: Newspaper and Magazine Making

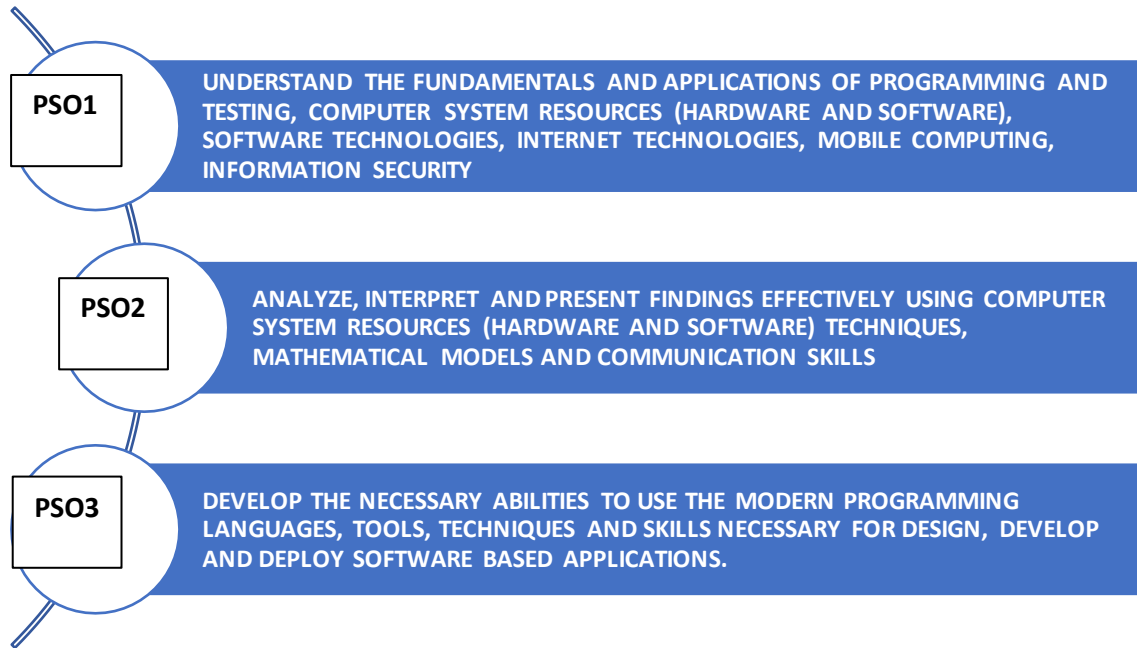
COURSE OUTCOMES
<p>CO-1 List and define the key concepts and aspects of newspaper and magazine printing and editing.</p> <p>CO-2 Discuss project management and overview of project planning.</p> <p>CO-3 Illustrate ways to overcome obstacles in newspaper and magazine printing and editing.</p> <p>CO-4 Compare and contrast the tools and techniques available and select the most suitable one.</p> <p>CO-5 Summarize the different levels of visual representation aids.</p> <p>CO-6 Create a 24 x 8 newspaper sheet and magazine.</p>

**PROGRAM- Bachelor of Science
(Information Technology)**
PROGRAM CODE: 42300003

PROGRAM OUTCOMES

-  **PO1** Critical Thinking
-  **PO2** Effective Communication
-  **PO3** Social Interaction
-  **PO4** Effective Citizenship
-  **PO5** Ethics
-  **PO6** Environment and Sustainability
-  **PO7** Self-Directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES



SEMESTER I

Course: Programming Principles with C

COURSE OUTCOMES
CO1: Learn the basic principles of programming.
CO2: Develop of logic using algorithm and flowchart.
CO3: Acquire the information about data types.
CO4: Understanding of input and output functions.
CO5: Enhance advanced concepts using program.

Course: Digital Logic and Applications

COURSE OUTCOMES
CO-1. Apply number conversion techniques in real digital systems CO-2. Solve Boolean algebra expressions
CO-3. Derive and design logic circuits by applying minimization in SOP and POS forms
CO-4. Design and develop Combinational and Sequential circuits
CO-5. Understand and develop digital applications

Course: Fundamentals of Database Management Systems

COURSE OUTCOMES
CO-1. Define and describe the fundamental elements of relational database management system.
CO-2. To relate the basic concepts of relational data model, entity-relationship model, relational database design, relational algebra and SQL.
CO-3. Design ER-models to represent simple database application scenarios.
CO-4. Transform the ER-model to relational tables, populate relational database and formulate SQL queries on data.
CO-5. Improve the database design by normalization.
CO-6. Understand basic database storage structures and access techniques: file and page organizations, indexing methods and hashing.

Course: Computational Logic and Discrete Structures

COURSE OUTCOMES
CO-1. Use logical notation
CO-2. Perform logical proofs
CO-3. Apply recursive functions and solve recurrence relations
CO-4. Use graphs and trees
CO-5. Apply basic and advanced principles of counting
CO-6. Define sets and Relations
CO-7. Calculate discrete probabilities.

Course: Technical Communication Skills

COURSE OUTCOMES
<p>CO-1. Analyze, synthesize and utilize the process and strategies from delivery to solving communication problem.</p> <p>CO-2. Learn the communication methodologies at workplace and learning about importance of team collaboration.</p> <p>CO-3. Learn about different technical communication such as presentations and interviews.</p> <p>CO-4. Understand and apply the art of written communication in writing reports, proposals.</p> <p>CO-5. Ground rules of ethical communication and MIS.</p> <p>CO-6. Understand the functions of graphs, maps, charts.</p>

SEMESTER II

Course: Object Oriented Programming with C++

COURSE OUTCOMES
CO-1. Understand the concept of OOPs, feature of C++ language.
CO-2. Understand and apply various types of Datatypes, Operators, Conversions while designing the program.
CO-3. Understand and apply the concepts of Classes & Objects, friend function, constructors & destructors in program design.
CO-4. Design & implement various forms of inheritance, String class, calling base class constructors.
CO-5. Apply & Analyze operator overloading, runtime polymorphism, Generic Programming.
CO-6. Analyze and explore various Stream classes, I/O operations and exception handling.

Course: Fundamentals of Micro Processor and Microcontrollers

COURSE OUTCOMES
CO1: Describe the architecture and organization of Microprocessor along with instruction set format.
CO2: Explain the Interfacing of memory & various I/O devices with 8085 microprocessors.
CO3: Write assembly language programs using programming tools.
CO4: Categorize different types of microprocessors
CO5: Summarize importance of Microprocessor
CO6: Design circuit for memory interfacing

Course: Web Applications Development

COURSE OUTCOMES
CO-1:Analyze working of Internet.
CO-2:Gain an insight into designing web pages.
CO-3:Use different ways of styling web pages using CSS.
CO-4:Implement basic and complex functionalities of JavaScript in a web page.
CO-5:Employ PHP Scripts to execute dynamic tasks in a web page.
CO-6:Perform various database tasks using PHP.

Course: Numerical Methods

COURSE OUTCOMES
CO-1. Understand numerical techniques to find the roots of non-linear equations and solution of system of linear equations.
CO-2. Understand the difference operators and the use of interpolation.
CO-3. Understand numerical differentiation and integration and numerical solutions of ordinary and partial differential equations.

Course: Green IT

COURSE OUTCOMES
CO-1. Understand the concept of Green IT and problems related to it.
CO-2. Know different standards for Green IT.
CO-3. Understand the how power usage can be minimized in Technology.
CO-4. Learn about how the way of work is changing.
CO-5. Understand the concept of recycling.
CO-6. Know how information system can stay Green Information system.

SEMESTER III

Course: Python Programming

COURSE OUTCOMES
CO1: Aware of the variables, expressions, looping and conditions used in Python programming.
CO2: Implement functions, strings, lists, tuples and directories.
CO3: Create GUI forms and add widgets.
CO4: Use MySQL to store data.
CO5: Apply the programming skillset learnt here into various domains by having advance programming skillset of Python and usage of libraries.

Course: Data Structures

COURSE OUTCOMES
CO 1: Identify and distinguish data structure classification, data types, their complexities.
CO2: Implement array, linked list, stack and queue.
CO3: Implement trees, various hashing techniques and graph for various applications.
CO4: Compare various sorting and searching techniques.

SEMESTER III

Course: Computer Networks

COURSE OUTCOMES
CO1: Identify various data communication standards, topologies and terminologies.
CO2: Describe how signals are used to transfer data and communication aspects between Nodes.
CO3: Configure IP addresses using TCP/IP protocol suite.
CO4: Use different application layer protocols.

Course: Operating Systems

COURSE OUTCOMES
CO1: Role of Operating System Computer System.
CO2: Use the different types of Operating System and their services.
CO3: configure process scheduling algorithms and synchronization techniques to achieve better performance of a computer system.
CO4: Apply virtual memory concepts.
CO5: Effectively use and manage secondary memory.

SEMESTER III

Course: Applied Mathematics

COURSE OUTCOMES
CO 1: Solve the matrix operations, identify the linear dependence and independence of a vectors.
CO 2: Familiar with the various forms and operations of a complex number.
CO 3: Find the Laplace transform of a function and Inverse Laplace transform of a function using definition also solve ordinary differential equations using Laplace transform.
CO 4: Evaluate the multiple integrals in Cartesian, Polar coordinates, change the order of the integral.
CO 5: Apply integration methods to calculate the areas and volumes of solids.
CO 6: Evaluate the Beta, Gamma, Differentiation Under integral sign and error Functions.

SEMESTER IV

Course: Java Programming

COURSE OUTCOMES
CO1: Learn the architecture of Java.
CO2: Identify data types, control flow, classes, inheritance, exceptions and event handling.
CO3: Use object-oriented concepts for problem solving real-life applications.
CO4: Build GUI programs.
CO5: Create event driven programs using java.

Course: Introduction to Embedded Systems

COURSE OUTCOMES
CO1: Differentiate between general purpose and embedded systems.
CO2: Discuss the characteristics and quality attributes of embedded systems.
CO3: Use different types of sensors for appropriately.
CO4: Design and develop embedded systems.

SEMESTER IV

Course: Computer Oriented Statistical Techniques

COURSE OUTCOMES
CO 1: To calculate and apply measures of central tendencies and measures of dispersion grouped and ungrouped data cases.
CO 2: To calculate the moments, skewness and kurtosis by various methods.
CO 3: How to apply discrete and continuous probability distributions to various business problems.
CO 4: Perform Test of Hypothesis as well as calculate confidence interval for a Population parameter for single sample and two sample cases. Understand the concept of p-values.
CO 5: Apply simple linear regression and correlation model to real life examples.

Course: Software Engineering

COURSE OUTCOMES
CO1: Understand software engineering.
CO2: Apply software engineering principles.
CO3: Discuss various approaches to verification and validation of software Including, testing, measurements and estimation of software products.
CO4: Create software using different software development models.

SEMESTER IV

COURSE: Computer Graphics and Animation

COURSE OUTCOMES
CO 1. Understand the basics of computer graphics, different graphics systems and applications of computer graphics.
CO 2. Compare various algorithms for scan conversion and filling of basic objects.
CO 3. Use of geometric transformations on graphics objects and their application in composite form.
CO 4. Extract scene with different clipping methods and its transformation to graphics display device.
CO 5. Explore projections and visible surface detection techniques for display of 3D scene on 2D screen.

SEMESTER V

Course: Software Project Management

COURSE OUTCOMES
CO1: Describe project management and overview of project planning, and selection of appropriate project approach.
CO2: Discuss project management and overview of project planning
CO3: Illustrate how to overcome obstacles in project.
CO4: Compare and contrast the stages of SDLC and Different software project development models.
CO5: Summarize the importance of Software quality and the process of project closure.
CO6: Demonstrate the system design including screen layouts, process diagrams, pseudocode and documentation.

Course: Internet of Things

COURSE OUTCOMES
CO1: Define the equation of IoT and describe the concept of different building blocks of IoT.
CO2: Explain different technologies used to develop IoT solution.
CO3: Examine the role of different people in making IoT, illustrate the use and issues of IoT technology in various domains.
CO4: Compare different technologies and business models used in IoT product development.
CO5: Estimate suitable business model for a given IoT solution.
CO6: Create a secure API plan and a business model for a given IoT product. Develop an IoT prototype using Arduino and Raspberry Pi board.

SEMESTER V

Course: Advanced Web Programming

COURSE OUTCOMES
CO1: Define the key concepts of C# and ASP.NET.
CO2: Explain web Forms fundamentals and Form controls in ASP.NET
CO3: Apply different state management, styles, menu controls, master page concepts to design a web page
CO4: Compare and contrast different controls and concepts in ASP.NET
CO5: Evaluate the need and application of different controls and concepts in ASP.NET
CO6: Create a website using all the concepts of ASP.NET

Course: Artificial Intelligence

COURSE OUTCOMES
CO1: Describe some important features of Artificial Intelligence
CO2: Explain Artificial Intelligence techniques, such as search algorithms, min-max algorithm, neural networks and tracking.
CO3: Apply Artificial Intelligence techniques for problem solving.
CO4: Test the problem of state space, graph, design heuristics with different search or game-based techniques.
CO5: Evaluate the importance of Artificial Intelligence.
CO6: Design Artificial Intelligence based application

SEMESTER V
SEMESTER IV

Course: Enterprise Java

COURSE OUTCOMES
CO1: Describe Java Enterprise Edition (JEE) architectural components along with various session management techniques and Servlet creation.
CO2: Explain Enterprise JavaBean (EJB) architectural components and different types of EJBs.
CO3: Illustrate Java EE technologies with practical implementation.
CO4: Test the code and compare the results in different scenarios.
CO5: Evaluate reusable software components using EJB to implement business logic for an enterprise application.
CO6: Develop a demo project with given software requirements.

SEMESTER VI

Course: Software Quality Assurance

COURSE OUTCOMES
CO1: Define the concepts of Software Quality Assurance
CO2: Explain different software testing techniques
CO3: Apply software testing techniques to software projects
CO4: Investigate the reasons for defects in the software and analyze the principles of software testing to be implemented to prevent and remove bugs.
CO5: Evaluate different software testing techniques and when to use them
CO6: Design a software testing strategy for a software project

Course: Security in Computing

COURSE OUTCOMES
CO1: Describe the importance of information security and study various layers of computer security.
CO2: Explain various security models and different techniques used in computer security.
CO3: Examine security techniques implemented on various layers of computer security.
CO4: Analyze different computer security risk and compare various security model used to harden the computer security.
CO5: Estimate best security strategies to remediate security risk.
CO6: Configure various security protocols on a given network topology.

Course: Business Intelligence

COURSE OUTCOMES
CO1: Describe the concepts and components of Business Intelligence(BI).
CO2: Explain different types of mathematical models used in BI.
CO3: Illustrate and use the technologies and tools that make up BI (e.g. Data warehousing, Data reporting and use of Online analytical processing (OLAP)).
CO4: Compare different data mining techniques used to identify how various business intelligence systems can contribute to organizational success.
CO5: Evaluate the use of BI for supporting decision making in an organization using mathematical models.
CO6: Design the technological architecture that supports BI systems and also can plan the implementation of a BI system.

Course: Principles of Geographic Information Systems

COURSE OUTCOMES
CO1: Describe the GIS systems ,GI Science and GI Applications. CO2: Explain the basic principles of modern spatial data and structures.
CO3: Illustrate the theoretical concepts of digital input of Geospatial data, functions of geographic information systems.
CO4: Test the Data quality and management: Errors, accuracy, precision and scale
CO5: Compare and assess different GIS software models.
CO6: Develop practical applications in GIS that highlight the technical skills.

Course: Cyber Laws

COURSE OUTCOMES
CO1: Describe the “Information Technology Act, 2000” in detail and sections under the Act,
CO2: Discuss Case Studies on how do various cyber-crimes happen like Hacking, Cyber Fraud.
CO3: Illustrate e-contracts if they plan to start up an online business and what should be the clauses mentioned including its terms and conditions.
CO4: Appraise the knowledge about the rights of a Consumer in India.
CO5: Summarize the Understanding of Relationship Between Commerce And Cyberspace.
CO6: Create the Legal And Policy Developments In Various Countries To Regulate Cyberspace

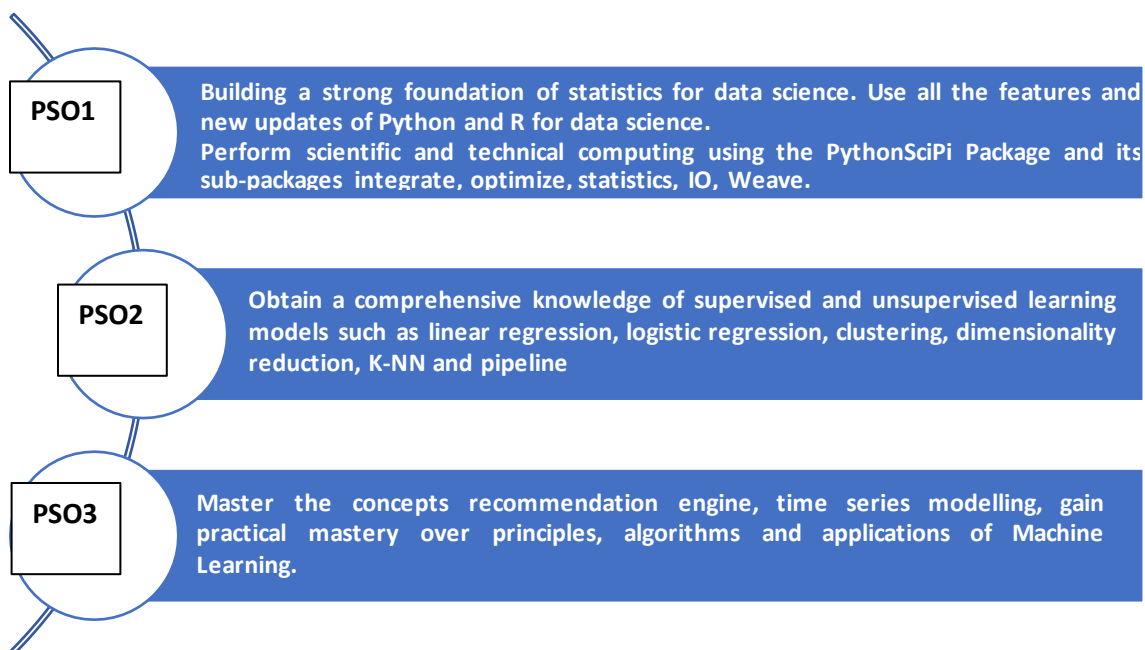
PROGRAM- Bachelor of Science (Data Science)

PROGRAM CODE: 1S02851

PROGRAM OUTCOMES

-  **PO1** Critical Thinking
-  **PO2** Effective Communication
-  **PO3** Social Interaction
-  **PO4** Effective Citizenship
-  **PO5** Ethics
-  **PO6** Environment and Sustainability
-  **PO7** Self-Directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES



SEMESTER I

Course: Descriptive Statistics

COURSE OUTCOMES
CO1: To understand the use and importance of statistical data by tabulating and implementing sampling methods.
CO2: Able to identify association between the variables as well as computing consistent and inconsistent data.
CO3: Able to compute level of measures and apply as well as interpret data into graphs.
CO4: Apply measure of central tendency to minimize the sum of squared deviation.
CO5: Able to understand the basic assumption behind regression analysis and determine the model significance as well as able to apply various techniques for the modelling.

Course: Introduction to Programming

COURSE OUTCOMES
CO1: Proficiency in using and applying various datatypes including, string, arraylist, tuple and dictionary.
CO2: Ability to use regular expressions to perform complex operations in less code.
CO3: Learning to make use of date and time in Python for various applications.
CO4: Proficiency in using IPython architecture for Data Science Applications.
CO5: Knowledge about use of various data science tools.

SEMESTER I

Course: Web Technology

COURSE OUTCOMES
CO1: To understand the meaning of the basic terminologies of web technology and explore, use the HTML5 concepts. To understand the basic requirement of web design.
CO2: To understand and use the Page layout, Navigation, Tables, Forms and Media features of HTML5.
CO3: To understand and use Cascading Style sheet for beautifying the webpages.
CO4: To understand and use the JavaScript for validation of user forms in web pages.
CO5: To understand and use the technique of transmitting data between a server and web applications using JSON.

Course: Business Communication and Information Ethics

COURSE OUTCOMES
CO1: To Communicate effectively in non-verbal way, draft and write effective business letters.
CO2: To Effectively carry out communication activities of business by following email etiquettes, drafting memos.
CO3: To Write elegant business reports and prepare user instruction manual.
CO4: To Apply the information ethics in all walks of life.
CO5: To Become a good communicator in life.

SEMESTER I

Course: Precalculus

COURSE OUTCOMES
CO1: To Apply the knowledge of numbers, graph and functions in real life.
CO2: To Apply trigonometry in modelling real life problems.
CO3: To Use analytic trigonometry and inverse circular functions to solve variety of problems.
CO4: To Apply complex numbers theory to different domains, use vectors and matrices to solve real life problems.
CO5: To Identify different types of conics from equations, understand sequences and series and basics of limits and derivatives.

SEMESTER II

Course: Probability and Distributions

COURSE OUTCOMES
CO1: To Organize, manage and present data.
CO2: To Analyse statistical data graphically using frequency distributions and cumulative frequency distributions.
CO3: To Use the basic probability rules, including additive and multiplicative laws, using the terms, in dependent and mutually exclusive events.
CO4: To Translate real-world problems into probability models.
CO5: To Derive the probability density function of transformation of random variables.
CO6: To Calculate probabilities and derive the marginal and conditional distributions of bivariate and om variables.

Course: Database Management

COURSE OUTCOMES
CO1: Students should be able to evaluate business information problem and find the requirements of a problem in terms of data.
CO2: Students should be able to draw database designing logical structure and can identify the entities which exist in a system.
CO3: Students should be able to construct normalized database and functional dependencies between attributes and relational algebra queries.
CO4: Students should be able to design the database schema with the use of appropriate datatypes for storage of data in database.
CO5: Students should be able to create, manipulate, query and backup the databases with features of SQL.

SEMESTER II

Course: R Programming

COURSE OUTCOMES
CO1: To use R Studio and explore the features for R programming.
CO2: To use R functions and graphics within R programming for solving problems.
CO3: To work with advanced graphics of R, import and use the data and represent the data into tables.
CO4: To apply formatting on table, use Pipelines in application and use strings, factors in R programme.
CO5: To manipulating Data Frames and make use of Dates in R application.

COURSE: Environmental Science

COURSE OUTCOMES
CO1: Ability to recognize explain important of environment and its resources.
CO2: Knowledge about insights of ecology and biodiversity.
CO3: Recognize the cause and effects of environmental pollution and other social issues.
CO4: Knowledge about population and its impact on environment.
CO5: Insight in to environment management and sustainable development.

SEMESTER II

Course: Calculus

COURSE OUTCOMES
CO1: Quickly and easily find the derivative of a function.
CO2: Perform integration of functions with ease.
CO3: Apply the knowledge of derivatives and integration to different domains and obtain the results.
CO4: Apply the knowledge of multiple integrals and polar coordinates to solve real life problems with ease.
CO5: Use partial derivatives and differential equations to solve variety of problems.

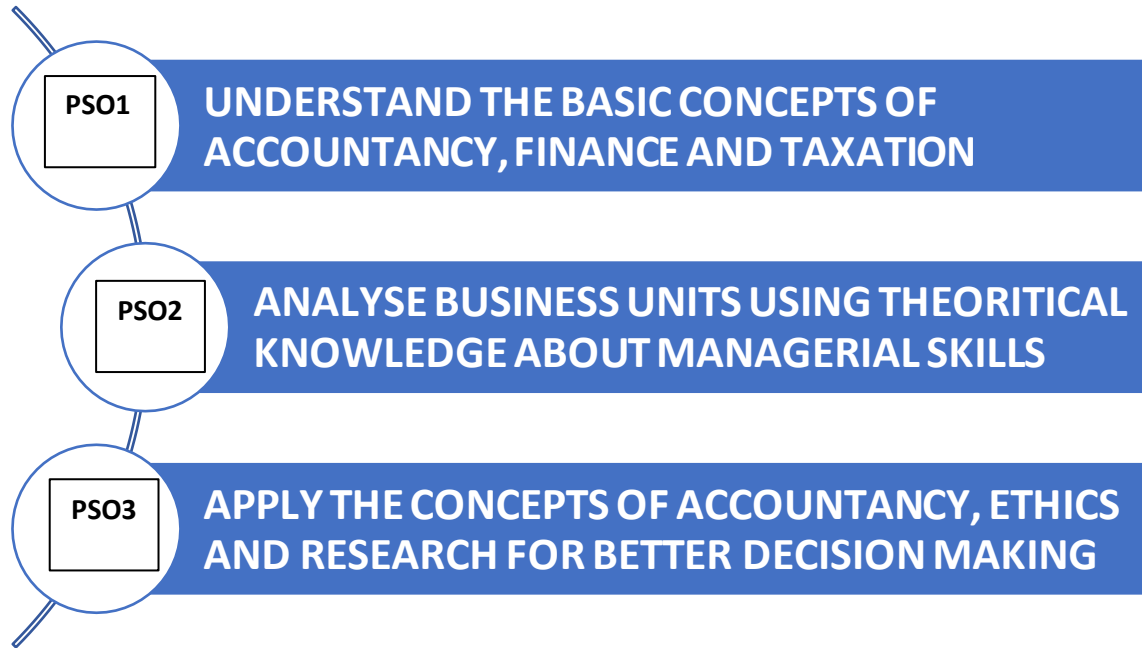
**PROGRAM-MASTERS OF COMMERCE
(Advanced
Accountancy)**

PROGRAM CODE:MCOM

PROGRAM OUTCOMES



PROGRAM SPECIFIC OUTCOMES



SEMESTER: I

Course: Cost and Management Accounting

COURSE OUTCOMES

CO-1 Describe the concepts of Cost and management accounting and its significance in the business.

CO-2 Understand the techniques of costing in the decision making in the business organization.

CO-3 Apply the procedures and prepare various budgets and various cost sheets for arriving at a decision.

CO-4 Distinguish between marginal costing and absorption costing and compare standard cost with the actual costs.

CO-5 Evaluate the reasons for variances in Materials, labour and overheads including sub variances and alternative Methods of Production, Cost Reduction & Cost Control.

CO-6 Develop and formulate the financial report of a business or corporate

Course: Strategic Management

COURSE OUTCOMES

CO-1 Describe key concepts of strategic management

CO-2 Discuss alternative strategies for business

CO-3 Write about ways to manage disaster

CO-4 Distinguish between different methods of portfolio analysis

CO-5 Evaluate corporate restructuring strategies

CO-6 Create a comprehensive strategic plan for a business unit

Course: Economics for Business Decisions

COURSE OUTCOMES

CO-1 Define important concepts of economics in business.

CO-2 Discuss the relationship between economic concepts and business economics decisions.

CO-3 Apply economic tools for making business decisions & calculate the outcome

CO-4 Differentiate various market situations and their conditions.

CO-5 Evaluate the application of economics theory into business decisions.

CO-6 Generalize the economic theories and develop a new business theory.

Course: Business Ethics and Corporate Social Responsibility

COURSE OUTCOMES

- CO-1** Describe key concepts of Business Ethics
- CO-2** Discuss the various concepts of Business Ethics
- CO-3** Demonstrate various theories of Business Ethics and CSR
- CO-4** Analyse various ethical clauses and CSR initiatives taken by organization
- CO-5** Evaluate various agencies and institutions towards ethics and CSR
- CO-6** Construct various models of ethics and CSR for an organization

SEMESTER: II

Course: Research Methodology for Business

COURSE OUTCOMES

- CO-1** Define important terminologies in research.
- CO-2** Understand steps of research design.
- CO-3** Examine data analysis of research.
- CO-4** Appraise stages of data processing.
- CO-5** Evaluate the different methods of conducting research.
- CO-6** Conduct research on a topic of your choice using the prescribed procedure and create a research report.

Course: Macro Economics Concepts and Application

COURSE OUTCOMES

- CO-1** Define the various important concepts of macroeconomics analysis.
- CO-2** Discuss the importance of the study of macroeconomics.
- CO-3** Examine the application of the study of macroeconomics theory into business.
- CO-4** Categorise the various important macroeconomics concepts.
- CO-5** Evaluate the application of macroeconomics theory into business decisions.
- CO-6** Generalize the macroeconomic theories and construct a new modern economic theory of business.

Course: Corporate Finance

COURSE OUTCOMES

- CO-1** Memorize various concepts based on corporate finance, leverage, time value of money, mobilization of funds.
- CO-2** Discuss various types of sources of finance.
- CO-3** Solve various illustrations based on capital structure, Leverage, Cost of capital Time value of Money.
- CO-4** Differentiate between various formats of capital structure, leverages, time value of money, capital budgeting.
- CO-5** Estimate the value of earnings under different capital structures.
- CO-6** Create Ideal capital structure.

Course: E-Commerce

COURSE OUTCOMES

- CO-1** Describe key concepts E-commerce
- CO-2** Classify the various concepts of E-commerce, E-payment methods and regulatory framework of setting up an E-business.
- CO-3** Demonstrate the applications of E-business and security issues involved.
- CO-4** Analyze various IT support systems provided to E-business
- CO-5** Evaluate security tools provided to e-business and payment gateways.
- CO-6** Develop an idea of an e-commerce website for an organization complying all the regulatory standards.

SEMESTER: III

Course: Advanced Financial Accounting

COURSE OUTCOMES

CO-1 Define concepts used in foreign exchange, Banking Companies, Insurance companies and Co-operative societies.

CO-2 Understand the accounting treatment of different concepts in insurance business, banking business and co-operative society and summarise them into financial statements.

CO-3 Use accounting methods for ascertaining value of assets and liabilities of foreign branches, banking companies and insurance companies.

CO-4 Appraise the format of financial statements of insurance and banking companies.

CO-5 Judge the effectiveness of the prescribed formats of final accounts of a co-operative society and how it keeps the concerned stakeholders aware of the ongoing of the entity.

CO-6 Construct financial statements of a foreign branch, an insurance company, a banking company and a co-operative society

Course: Direct Tax

COURSE OUTCOMES

CO-1 Define the various incomes under the major heads based on their respective charging section.

CO-2 Understand and explain the various incomes that are exempt or can be taken as deduction from taxable income.

CO-3 Examine how incomes are assessed under the major heads of income.

CO-4 Debate on the benefits and disadvantages of the amendments that are brought about by the Finance Act 2021.

CO-5 Using a numerical example evaluate the taxability of an individual under the various heads of incomes.

CO-6 Prepare a tax plan for an individual who has income from business, capital gains from sale of property and income from other sources considering the tax benefits extended by Income Tax Act

Course: Advanced Auditing

COURSE OUTCOMES

CO-1 State the provisions of company law in Auditing and different audits under various laws.

CO-2 Understand about advanced aspects of accounting related to audit work and auditing standards and understand CIS environment, computer aided audit techniques and audit trail in CISE.

CO-3 Apply and demonstrate the accounting and legal knowledge and skills in Auditing.

CO-4 Compare different types of audits and distinguish between computer based accounting and conventional accounting.

CO-5 Evaluate the work done by management in actual situations, based upon the existing law and regulations and evaluate the problems while shifting from manual to computer accounting and its effects on audit.

CO-6 Develop more effective auditing techniques and develop more structured reporting under various laws and design audit procedures considering the IT systems used in the organization.

SEMESTER: IV

Course: Indirect Tax (Introduction of Goods and Service Tax)

COURSE OUTCOMES
<p>CO-1 Define the important terms under GST.</p> <p>CO-2 Understand and explain the various types of GST and how their liability is determined.</p> <p>CO-3 Considering the growth of turnover in a business, examine how and when GST liability arises and when it has to be paid.</p> <p>CO-4 Inspect the major changes that were brought about by introduction of GST.</p> <p>CO-5 Based on the concept of supply, summarize the supplies that would and would not attract GST liability.</p> <p>CO-6 Prepare a presentation showing the procedure of taking GST registration, applying for composition scheme, converting into normal taxation, taking input tax credit and paying final GST liability on the GST portal.</p>

Course: Financial Management

COURSE OUTCOMES
<p>CO-1 Describe need and sources of financing and concepts of aspects related to financial management.</p> <p>CO-2 Understand procedures and methods to arrive at a financial decision.</p> <p>CO-3 Demonstrate the methods of financial decision making to the given alternatives.</p> <p>CO-4 Compare the alternative investment projects based on the various methods and analyze the functions of strategic financial management.</p> <p>CO-5 Evaluate comparative working capital management policies and their impact on firm's profitability, liquidity, risk & operating flexibility.</p> <p>CO-6 Derive capital investment decision for individual and organization and formulate a plan for financial management in the organization.</p>

Course: Corporate Financial Accounting

COURSE OUTCOMES

CO-1 Define important terms used in Corporate financial reporting.

CO-2 Understand and explain the important IFRS and Indian accounting standards.

CO-3 Relate the accounting standards to the actual preparation of financial statements of a company.

CO-4 Investigate the shortcomings of presentation of financial statements under present method and the need to adapt IFRS.

CO-5 Evaluate the methods of valuation of business and its assets.

CO-6-A Design consolidated financial statements of a Company showing application of accounting standards learnt throughout the course.

CO6-B: Develop more effective auditing techniques and develop more structured reporting under various laws and design audit procedures considering the IT systems used in the organization.

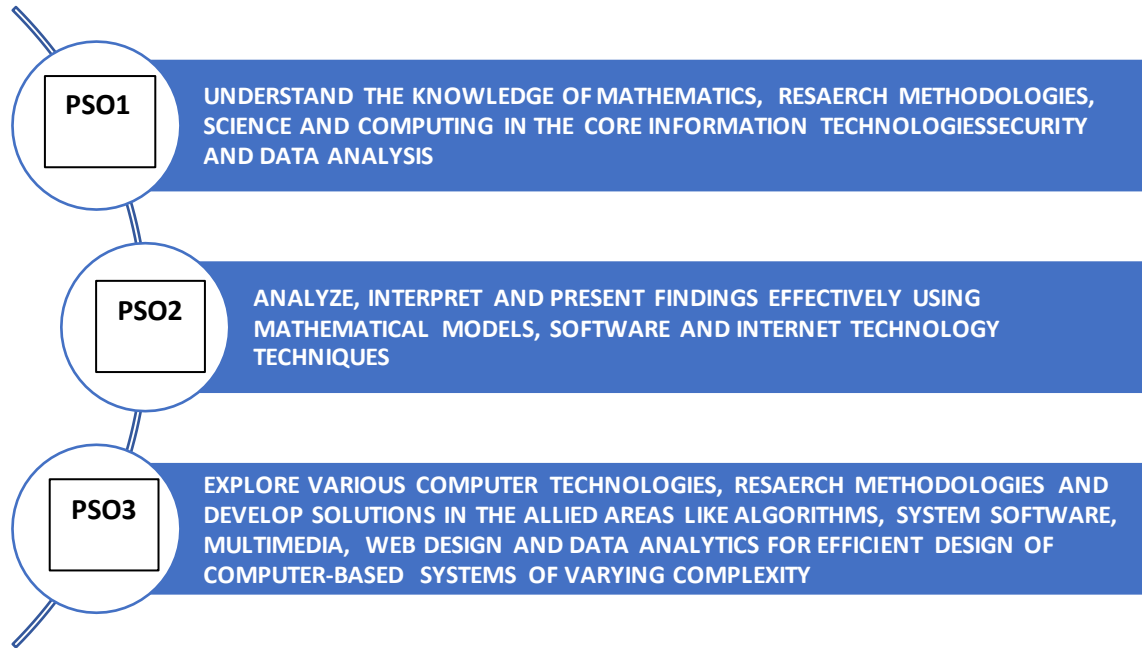
**PROGRAM- MASTERS OF SCIENCE
(Information
Technology)**

PROGRAM CODE: MSc

PROGRAM OUTCOMES



PROGRAM SPECIFIC OUTCOMES



SEMESTER I

Course: Research in Computing

COURSE OUTCOMES
CO-1 Define all the key concepts related to research. CO-2 Understand the concepts, theories and different methods of research process. CO-3 Apply scientific approach to real world problems. CO-4 Compare and contrast different statistical techniques. CO-5 Foster an ability to critically analyse, synthesize and solve complex unstructured research problems. CO-6 Create viable solutions for a given research problem.

Course: Cloud Computing

COURSE OUTCOMES
CO-1 Describe various concepts of cloud computing and study various cloud computing architectures. CO-2 Explain the concepts of virtualization, parallel computing and distributed computing. CO-3 Illustrate taxonomy of virtualization, the impact of cloud computing and cloud resource management architectures. CO-4 Analyze the cloud computing setup with its vulnerabilities and applications using different architectures. CO-5 Estimate cloud security threats and its impact on cloud service. Assess various automation tools used in cloud resource management. CO-6 Create combinatorial auctions for cloud resources and design scheduling algorithms for computing clouds.

Course: Soft Computing Techniques

COURSE OUTCOMES
CO-1 Describe soft computing techniques and their roles in building intelligent machines. CO-2 Discuss different soft computing methodologies to solve a particular problem. CO-3 Use fuzzy logic and reasoning to handle uncertainty and solve real life application problems. CO-4 Test different genetic algorithms to solve optimization problems. CO-5 Assess neural networks for classification and regression problems. CO-6 Plan and design solutions by various soft computing approaches for a given problem.

Course: Data Science

COURSE OUTCOMES

CO-1 Describe Data Science technology stack. Recognize and analyse ethical issues in business related to intellectual property, data security, integrity, and privacy

CO-2 Discuss ethical practices in everyday business activities and make well-reasoned ethical business and data management decisions

CO-3A Apply quantitative modelling and data analysis techniques for the solution of real world business problems.

CO-3B Demonstrate knowledge of statistical data analysis techniques utilized in business decision making.

CO-4 Appraise principles of Data Science to the analysis of business problems.

CO-5 Select different data mining software's to solve real-world problems.

CO-6 Design algorithms to build machine intelligence.

SEMESTER II

Course: Big Data Analytics

COURSE OUTCOMES
<p>CO-1 Describe the key issues in big data management and its associated applications in intelligent business and scientific computing.</p> <p>CO-2 Explain fundamental enabling techniques and scalable algorithms like Hadoop, Map Reduce and NO SQL in big data analytics.</p> <p>CO-3 Apply software tools for big data analytics.</p> <p>CO-4 Test business models and scientific computing paradigms.</p> <p>CO-5 Assess techniques of big data analytics in various applications like recommender systems, social media applications etc.</p> <p>CO-6 Develop solutions to complex real-world problems in decision support.</p>

Course: Modern Networking

COURSE OUTCOMES
<p>CO1 Describe various networking technologies and study modern networking architecture.</p> <p>CO2 Explain the concepts of software define network and network virtualization.</p> <p>CO3 Illustrate various network architectures and demonstrate the concepts of quality of service and quality of experience.</p> <p>CO4 Compare and contrast various generations of networking protocols.</p> <p>CO5 Estimate network vulnerability and monitor network security using various security protocols.</p> <p>CO6 Create a secure network design using modern networking techniques.</p>

Course: Micro services Architecture

COURSE OUTCOMES
<p>CO1 Define the terms packages, meta packages and frameworks.</p> <p>CO2 Explain the philosophy and architecture of .NET Core.</p> <p>CO3 Examine Views in an MVC application that display and edit data and interact with Models and Controllers.</p> <p>CO4 Test deploying ASP.NET Core MVC applications to the Windows Azure cloud.</p> <p>CO5 Assess the implementation of multi-threading effectively in .NET applications</p> <p>CO6-A Develop web applications using Model View Control.</p> <p>CO6-B Create MVC Models and write code that implements business logic within Model methods, properties, and events.</p>

Course: Image Processing

COURSE OUTCOMES

CO-1 Describe the relevant aspects of digital image representation and their practical implications to have the ability to design point wise intensity transformations to meet stated specifications.

CO-2 Explain 2-D convolution, the 2-D DFT to have the ability to design systems using these concepts.

CO-3 Illustrate the role of alternative color spaces, and the design requirements leading to choices of color space.

CO-4 Test the ability to design systems using standard algorithms to meet design specifications.

CO-5 Assess the utility of wavelet decompositions and their role in image processing systems.

CO-6 Plan and design solutions by various image compression approaches for a given problem.

SEMESTER III

Course: Technical Writing and Entrepreneurship

COURSE OUTCOMES
CO-1 Describe conceptual understanding of developing a strong foundation in general writing, including research proposals and reports.
CO-2 Discuss the essentials and hands-on learning about effective website and entrepreneurship development.
CO-3A Illustrate technological developing skills for writing Article, Blog, E-Book, Commercial web Page design, Business Listing Press Release, E-Listing and Product Description.
CO-3B: Write better quality content which ranks faster at Search Engines and also effective social media Pages.
CO-4: Test the skills to produce a set of documents related to technology in the workplace to improve the ability to write clearly and accurately.
CO-5 Assess the effective communication principles encouraged by professional writers.
CO-6 Develop technical documents that meet the requirements with standard guidelines.

Course: Applied Artificial Intelligence

COURSE OUTCOMES
CO-1 Describe the fundamentals concepts of expert system and its applications.
CO-2 Classify different applied branches of artificial intelligence.
CO-3A Illustrate the applications of Machine Learning and also apply fuzzy system for solving problems.
CO-3B Apply to understand the applications of genetic algorithms in different problems related to artificial intelligence.
CO-4 Test probability and concept of fuzzy sets for solving AI based problems.
CO-5 Select knowledge representation techniques in natural language.
CO-6 Plan to solve the problem aligned with derived branches of artificial intelligence.

Course: Machine Learning

COURSE OUTCOMES
<p>CO-1 Define the key issues in Machine Learning and its associated applications in intelligent business and scientific computing.</p> <p>CO-2 Discuss the knowledge about classification and regression techniques where a learner will be able to explore his skill to generate data base knowledge using the prescribed techniques.</p> <p>CO-3 Examine and implement the techniques for extracting the knowledge using machine learning methods.</p> <p>CO-4 Appraise adequate perspectives of big data analytics in various applications like recommender systems, social media applications etc.</p> <p>CO-5 Assess the statistical approach related to machine learning.</p> <p>CO-6 Construct algorithms for a real-world problem, optimize the models learned and report on the expected accuracy that can be achieved by applying the models.</p>

Course: Offensive Security

COURSE OUTCOMES
<p>CO-1 Define basic security issues in cloud, Io T etc.</p> <p>CO-2 Explain different security techniques and policies.</p> <p>CO-3 Use Vulnerability assessment and exploitation tools.</p> <p>CO-4 Test the network performs reconnaissance and enumerate the target to detect vulnerabilities.</p> <p>CO-5 Assess offensive tests using Metasploit on various application, generating payloads etc.</p> <p>CO-6 Generalize various tools that aid in offensive security testing.</p>

SEMESTER IV

Course: Block chain

COURSE OUTCOMES
CO-1 Describe the structure of a block chain and why/when it is better than a simple distributed database.
CO-2 Discuss Block chain as a method of securing distributed ledgers, how consensus on their contents is achieved, and the new applications that they enable.
CO-3 Analyze the incentive structure in a blockchain based system and critically assesses its functions, benefits and vulnerabilities.
CO-4 Discuss what constitutes a “smart” contract, what its legal implications are and what it can and cannot do, now and in the near future.
CO-5 Evaluate the setting where a blockchain based structure may be applied, its potential and its limitations.
CO-6 Develop block chain D Apps.

Course: Cyber Forensics

COURSE OUTCOMES
CO-1 List and describe the laws relevant to computer forensics.
CO-2 Discuss the knowledge of network analysis and how to use it for analysing the internet attacks.
CO-3 Examine to recover and analyse the data using forensics tool.
CO-4 Investigate the cyber forensics with standard operating procedures.
CO-5 Evaluate the data recovery from the hard disk with legal procedure.
CO-6 Invent internet frauds done through various gadgets like mobile, laptops, tablets and become a forensic investigator.

Course: Deep Learning

COURSE OUTCOMES
CO-1 Describe basics of mathematical foundation that will help the learner to understand the concepts of Deep Learning.
CO-2 Understand and explain model of deep learning.
CO-3 Illustrate different deep learning techniques to support real-time applications.
CO-4 Test and evaluate various deep learning models and architectures.
CO-5 Assess various deep learning techniques to design efficient algorithms for real-world applications.
CO-6 Design and implement various deep supervised learning architectures for text & image data.

Course: Information Security Auditing

COURSE OUTCOMES

CO-1 Describe various information security policies, process flow and ethics of an Information Security Auditor.

CO2 Explain various information systems in an organization, their criticality and various governance and management policies associated with them.

CO3 Experiment the information flow across the organization and identify the weak spots, and also suggest improvements to strengthen them.

CO-4 Critically analyse various operational strategies like asset management, data governance etc. and suggest requisite changes as per organizations requirements with improvements.

CO-5 Assess an organization based on the needs and suggest the requisite information security policies to be deployed.

CO-6 Formulate strong strategies to protect information assets and come up with an efficient business continuity plan, disaster recovery strategy etc.