

JINDAL COLLEGE FOR WOMEN

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution (NEP SYLLABUS)

Name of the Programme	Programme Outcome
B.COM	PO 1 : Demonstrate a sound understanding and knowledge of the accounting concepts, and principles, to measure, analyze, validate, and communicate various accounting and financial information to appropriate authorities.
	PO 2 : Apply the various techniques in the decision-making process with updated knowledge in implementing business practices of Finance, Taxation, Business Laws, and other areas of business and the context in which it operates.
	PO 3 : Apply appropriate tools and techniques to plan, organise, coordinate, direct, and control business enterprises, private, government, and non– governmental organizations to meet the current and future expectations of the business and industry.
	PO 4 : Demonstrate an ability to inculcate a sense of professional ethics, integrity, and social responsibility in various domains and adapt to changing technology with applied skills toward sustainable development.
BCA	PO 1 : Acquire core competencies to design, implement and evaluate a computational system to meet desired needs within realistic constraints
	PO 2 : Apply the mathematical and programming knowledge as well as standard software engineering practices and strategies to develop applications in various domains
	PO 3 : Possess strong communication skills, acquaint with the contemporary trends in industry, collaborate with a team and create innovative solutions to existing problems based on legal and ethical principles
	PO 4 : Use research methods including design of experiments, analysis, interpretation of data, synthesis of information, developing GUI applications to provide authentic solutions to problems
	PO 5 : Adapt to technological advances through active participation in life-long learning to acquire professional excellence and become successful entrepreneurs or professionals contributing to the society

B.Sc (Physics)	PO 1 : Disciplinary knowledge
	PO 2 : Communication Skills
	PO 3 : Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
	PO 4 : Problem-solving
	PO 5 : Research-related skills
	PO 6 : Cooperation/ Teamwork/ Leadership readiness/Qualities
	PO 7 : Information/ Digital literacy/Modern Tool Usage
	PO 8 : Environment and Sustainability
	PO 9 : Multicultural competence
	PO 10 : Multi-Disciplinary
	PO 11 : Moral and ethical awareness/Reasoning
	PO 12 : Lifelong learning / Self Directed Learning
B.Sc (Chemistry)	PO 1 : The concepts of chemical analysis, accuracy, precision and statistical data treatment Understand the preparation of alkanes, alkenes and alkynes, their reactions, etc. Understand the mechanism of nucleophilic, electrophilic reactions
	PO 2 : The students will be able to learn how to handle the glassware, prepare and dilute solutions and perform the experiments with prepared reagents The students will be able to determine the analyte through volumetric and gravimetric analysis and understand the chemistry involved in each method of analysis. The students will be able to deduce the conversion factor based on stoichiometry and in turn use this value for calculation
	PO 3 : The Bohr's theory of atomic structure and how it was developed. Quantum numbers and their necessity in explaining the atomic structure The concept of unit cell, symmetry elements, Nernst distribution law.
	PO 4 : Techniques like precipitation, filtration, drying and ignition . Various titrimetric techniques and gravimetric methods. To determine the physical constants of organic liquids and molecular weight of non-volatile solute.

B.Sc (Maths)

PO 1: Disciplinary Knowledge: Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied mathematics. This also leads to study the related areas such as computer science and other allied subjects.

PO 2 : Communication Skills: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modeling and solving of real life problems.

PO 3: Critical thinking and analytical reasoning: The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.

PO 4: Problem Solving: The Mathematical knowledge gained by the students through this programme develops an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modeling ability, problem solving skills.

PO 5: Research related skills: The completing this programme develop the Capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics.

PO 6: Information/digital Literacy: The completion of this programme will enable the learner to use appropriate softwares to solve system of algebraic equation and differential equations.

PO 7: Self –directed learning: The student completing this program will develop an ability of working independently and to make an in depth study of various notions of Mathematics.

PO 8: Moral and ethical awareness/reasoning: : The student completing this program will develop an ability to identify unethical behavior such as fabrication, falsification or misinterpretation of data and adopting objectives, unbiased and truthful actions in all aspects of life in general and mathematical studies in particular.

PO 9: Lifelong learning: This programme provides self-directed learning and lifelong learning skills. This programme helps the learner to think independently and develop algorithms and computational skills for solving real word problems.

PO 10: Ability to peruse advanced studies and research in pure and applied Mathematical sciences.

BBA	PO1: To remember the conceptual knowledge with an integrated approach to various functions of management
	PO2: To develop leadership and communication skills to become successful business leaders and managers.
	PO3: To encourage and develop critical thinking, analysis and initiative ability skills.
	PO4: To develop problem-solving skills through experiential learning and innovative pedagogy to ensure utilization of knowledge in professional careers.
	PO5: To apply the various concepts, theories and models in the area of HR, Marketing, Finance.
	PO6: To develop a positive attitude and life skills to become a multi facet personality with a sense of environmental consciousness and ethical values.
MCOM	PO1: Business Knowledge :Apply the trade and commerce fundamentals and advanced knowledge to real world scenarios.
	PO2: Problem Analysis: Problem Analysis – Analyse the business operations internally and externally, identify the problems and arrive at substantiated conclusions.
	PO3 Creativity and Innovation : Ascertain business opportunities and translate innovative ideas into workable ventures/ projects.
	PO4: Research and Design Solutions:Apply the principles of research and design solutions to solve complex and ambiguous aspects of business and the community. Use appropriate method of research, statistical tools, Data analysis, synthesis of information and presentation of report for decision making.
	PO5: Ethics: Make ethically intelligent decisions protecting the interest of all the stakeholders.
	PO6: Lifelong Learning: Be a lifelong learner with open-mindedness and ability to learn, unlearn and relearn.
	PO7: Values: Be a responsible and socially contributing citizen in the community with all governed by values.

B.COM COURSE OUTCOMES

Name of Programme	Semester	Course Code	Name of Course	COURSE OUTCOMES
B.Com	I Semester	B.Com. 1.1 (DSC)	Financial Accountancy	<ul style="list-style-type: none"> ● Understand the Basic Concepts of Accountancy ● Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee. ● Demonstrate various accounting treatments for dependent branches ● Learn various methods of accounting for hire purchase transactions. ● Outline the emerging trends in the field of accounting ● Demonstrate e-Treatment of Accountancy
				<ul style="list-style-type: none"> ● Design and demonstrate the strategic plan for the attainment of organizational goals. ● Compare and choose the different types of motivation factors and leadership styles. ● Understand startups Opportunities and Financial Issues of Startups ● Understand the support extended by Incubators & Major Startups Incubators in India. ● Understands Government Initiatives for Startups in India.
				<ul style="list-style-type: none"> ● Understand the basic concepts of marketing and assess the marketing environment. ● Analyse the consumer behaviour in the present scenario and marketing segmentation. ● Discover the new product development & identify the factors affecting the price of a product in the present context. ● Judge the impact of promotional techniques on the customers & importance of channels of distribution. ● Outline the recent developments in the field of marketing.
				<ul style="list-style-type: none"> ● Understand the Fundamentals of computers. ● Work in Word Processor effectively. ● Discover the arena of the Internet and its possibilities. ● Effectively communicate through Email
				<ul style="list-style-type: none"> ● Understand the basic concepts of Spreadsheet ● Summarize data using Functions ● Apply Conditions using formulas and Functions ● Implement Basic financial Concepts in Spreadsheet
B.Com	I Semester	B.Com. 1.2 (DSC)	Business Management & Startups	<ul style="list-style-type: none"> ● Understand the basic concepts of marketing and assess the marketing environment. ● Analyse the consumer behaviour in the present scenario and marketing segmentation. ● Discover the new product development & identify the factors affecting the price of a product in the present context. ● Judge the impact of promotional techniques on the customers & importance of channels of distribution. ● Outline the recent developments in the field of marketing.
				<ul style="list-style-type: none"> ● Understand the Fundamentals of computers. ● Work in Word Processor effectively. ● Discover the arena of the Internet and its possibilities. ● Effectively communicate through Email
				<ul style="list-style-type: none"> ● Understand the basic concepts of Spreadsheet ● Summarize data using Functions ● Apply Conditions using formulas and Functions ● Implement Basic financial Concepts in Spreadsheet
				<ul style="list-style-type: none"> ● Understand the basic concepts of marketing and assess the marketing environment. ● Analyse the consumer behaviour in the present scenario and marketing segmentation. ● Discover the new product development & identify the factors affecting the price of a product in the present context. ● Judge the impact of promotional techniques on the customers & importance of channels of distribution. ● Outline the recent developments in the field of marketing.
				<ul style="list-style-type: none"> ● Understand the Fundamentals of computers. ● Work in Word Processor effectively. ● Discover the arena of the Internet and its possibilities. ● Effectively communicate through Email
B.Com	I Semester	B.Com. 1.3 (DSC)	Principles of Marketing	<ul style="list-style-type: none"> ● Understand the basic concepts of marketing and assess the marketing environment. ● Analyse the consumer behaviour in the present scenario and marketing segmentation. ● Discover the new product development & identify the factors affecting the price of a product in the present context. ● Judge the impact of promotional techniques on the customers & importance of channels of distribution. ● Outline the recent developments in the field of marketing.
				<ul style="list-style-type: none"> ● Understand the Fundamentals of computers. ● Work in Word Processor effectively. ● Discover the arena of the Internet and its possibilities. ● Effectively communicate through Email
				<ul style="list-style-type: none"> ● Understand the basic concepts of Spreadsheet ● Summarize data using Functions ● Apply Conditions using formulas and Functions ● Implement Basic financial Concepts in Spreadsheet
				<ul style="list-style-type: none"> ● Understand the basic concepts of marketing and assess the marketing environment. ● Analyse the consumer behaviour in the present scenario and marketing segmentation. ● Discover the new product development & identify the factors affecting the price of a product in the present context. ● Judge the impact of promotional techniques on the customers & importance of channels of distribution. ● Outline the recent developments in the field of marketing.
				<ul style="list-style-type: none"> ● Understand the Fundamentals of computers. ● Work in Word Processor effectively. ● Discover the arena of the Internet and its possibilities. ● Effectively communicate through Email
B.Com	I Semester	B.Com 1.4 (SEC – SB)	Digital Fluency	<ul style="list-style-type: none"> ● Understand the basic concepts of marketing and assess the marketing environment. ● Analyse the consumer behaviour in the present scenario and marketing segmentation. ● Discover the new product development & identify the factors affecting the price of a product in the present context. ● Judge the impact of promotional techniques on the customers & importance of channels of distribution. ● Outline the recent developments in the field of marketing.
				<ul style="list-style-type: none"> ● Understand the Fundamentals of computers. ● Work in Word Processor effectively. ● Discover the arena of the Internet and its possibilities. ● Effectively communicate through Email
				<ul style="list-style-type: none"> ● Understand the basic concepts of Spreadsheet ● Summarize data using Functions ● Apply Conditions using formulas and Functions ● Implement Basic financial Concepts in Spreadsheet
				<ul style="list-style-type: none"> ● Understand the basic concepts of marketing and assess the marketing environment. ● Analyse the consumer behaviour in the present scenario and marketing segmentation. ● Discover the new product development & identify the factors affecting the price of a product in the present context. ● Judge the impact of promotional techniques on the customers & importance of channels of distribution. ● Outline the recent developments in the field of marketing.
				<ul style="list-style-type: none"> ● Understand the Fundamentals of computers. ● Work in Word Processor effectively. ● Discover the arena of the Internet and its possibilities. ● Effectively communicate through Email
B.Com	I Semester	B.Com 1.4 (SEC – SB)	Spreadsheet for Business	<ul style="list-style-type: none"> ● Understand the basic concepts of marketing and assess the marketing environment. ● Analyse the consumer behaviour in the present scenario and marketing segmentation. ● Discover the new product development & identify the factors affecting the price of a product in the present context. ● Judge the impact of promotional techniques on the customers & importance of channels of distribution. ● Outline the recent developments in the field of marketing.
				<ul style="list-style-type: none"> ● Understand the Fundamentals of computers. ● Work in Word Processor effectively. ● Discover the arena of the Internet and its possibilities. ● Effectively communicate through Email
				<ul style="list-style-type: none"> ● Understand the basic concepts of Spreadsheet ● Summarize data using Functions ● Apply Conditions using formulas and Functions ● Implement Basic financial Concepts in Spreadsheet
				<ul style="list-style-type: none"> ● Understand the basic concepts of marketing and assess the marketing environment. ● Analyse the consumer behaviour in the present scenario and marketing segmentation. ● Discover the new product development & identify the factors affecting the price of a product in the present context. ● Judge the impact of promotional techniques on the customers & importance of channels of distribution. ● Outline the recent developments in the field of marketing.
				<ul style="list-style-type: none"> ● Understand the Fundamentals of computers. ● Work in Word Processor effectively. ● Discover the arena of the Internet and its possibilities. ● Effectively communicate through Email

B.Com	I Semester	B.Com. 1.5 Open Elective Course (OEC)	Financial Literacy	● Describe the importance of financial literacy and list out the institutions providing financial services;
				● Prepare financial plan and budget and manage personal finances;
				● Open, avail, and manage/operate services offered by banks;
				● Open, avail, and manage/operate services offered by post offices; ● Plan for life insurance and property insurance & select instrument for investment in shares
B.Com	I Semester	B.Com. 1.5 Open Elective Course (OEC)	Business Documents	● Develop self-confidence to fulfill the documentation.
				● Able to understand the formalities of bank & day to day transactions.
				● Get in-depth knowledge in LIC & Office Documents
B.Com	I Semester	Yoga VB SEC	Physical Education	● Students will be able to understand the basic principles and practices of Physical Education, Sports and Yoga.
				● Students will be able to instruct the Physical Activities, Sports and Yoga practices for Healthy Living.
				● To develop professionalism among students to conduct, organise & officiate Physical Education, Sports and Yoga events at schools, colleges and community.
B.Com	I Semester	SEC-VB	Health and Wellness	● Students will be able to understand the basic principles and practices of Physical Education, Sports and Yoga.
				● Students will be able to instruct the Physical Activities, Sports and Yoga practices for Healthy Living.
				● To develop professionalism among students to conduct, organise & officiate Physical Education, Sports and Yoga events at schools, colleges and community.
B.Com	I Semester	L2 AECC	Generic English	● Acquire the LSRW (Listening, Speaking, Reading, Writing) skills
				● Learn to appreciate literary art
				● Obtain the knowledge of literary devices and genres
				● Acquire the skills of creativity to express one's experiences
				● Know how to use digital learning tools
				● Be aware of their social responsibilities
				● Develop their ability as critical readers and writers
				● Increase their reading speed
● Be able to give presentations 10. Increase their analytical skills.				

B.Com	II Semester	B.Com. 2.1 (DSC)	Advanced Financial Accounting	<ul style="list-style-type: none"> ● Understand and compute the amount of claim for loss of stock and the concept of loss of profit.
				<ul style="list-style-type: none"> ● Deal with the inter-departmental transfers and their accounting treatment.
				<ul style="list-style-type: none"> ● Prepare financial statements from incomplete records.
				<ul style="list-style-type: none"> ● Learn to deal with accounting for royalty transactions.
				<ul style="list-style-type: none"> ● Compute Average Due Date and preparation of Account current.
B.Com	II Semester	B.Com. 2.2 (DSC)	Business Ethics	<ul style="list-style-type: none"> ● Understanding the importance of ethical behavior in business and the community.
				<ul style="list-style-type: none"> ● Provide skills for recognising and resolving ethical issues in business;
				<ul style="list-style-type: none"> ● Critical self-examination of one's own values, as well as appreciation for the relevance of personal values in the business/workplace.
				<ul style="list-style-type: none"> ● Encourage self-reflection on the ethical dimensions of your own decisions in the workplace.
B.Com	II Semester	B.Com. 2.3 (DSC)	Banking Innovations	<ul style="list-style-type: none"> ● Understand the Banking System in India.
				<ul style="list-style-type: none"> ● Understand the procedure involved in opening and operating different accounts.
				<ul style="list-style-type: none"> ● Understand the procedure involved in Availing different types of Loans.
				<ul style="list-style-type: none"> ● Examine the different types of negotiable instruments & their relevance in the present context.
B.Com	II Semester	B.Com. 2.4 Open Elective Course (OEC)	E - Business	<ul style="list-style-type: none"> ● Understand the technology in Banking.
				<ul style="list-style-type: none"> ● Understand the basic concepts of E-commerce;
				<ul style="list-style-type: none"> ● Have the knowledge of the different types of E-Commerce Models.
				<ul style="list-style-type: none"> ● Understand the processes of developing and implementing E-Payments.
B.Com	II Semester	B.Com. 2.4 Open Elective Course (OEC)	Fundamentals of Investments in Capital Market	<ul style="list-style-type: none"> ● Be aware of the ethical, social, and security issues of E-commerce.
				<ul style="list-style-type: none"> ● Distinguish the different stages of developing a website.
				<ul style="list-style-type: none"> ● Increasing public understanding of SEBI, its goals, powers, management, and functions.
				<ul style="list-style-type: none"> ● Introduce the mechanisms of stock market activities.
B.Com	III Semester	B.Com.3.1	Corporate Accounting	<ul style="list-style-type: none"> ● Understanding the practical aspects of primary market operations & book building process
				<ul style="list-style-type: none"> ● Creating an insight into the functions of stock exchange and their working
				<ul style="list-style-type: none"> ● Understand the treatment of underwriting of shares.
				<ul style="list-style-type: none"> ● Understand the concepts and accounting treatment of Issue of shares under various types.
B.Com	III Semester	B.Com.3.1	Corporate Accounting	<ul style="list-style-type: none"> ● Know the valuation of intangible assets.
				<ul style="list-style-type: none"> ● Know the valuation of shares.
				<ul style="list-style-type: none"> ● Prepare the financial statements of companies as per companies act, 201

B.Com	III Semester	B.Com.3.2.1	Business Mathematics & Statistics	● Familiarize with simple and compound interest
				● Understand problem solving techniques using equation methods
				●Familiarize with the matrices and various roles of determinants
				●Comprehend the measures of various distributions and averages
B.Com	III Semester	B.Com.3.2.2	Indian Financial Services	● Validate the application of correlation and regression in business decisions.
				●Understand the financial system, Institutions, financial markets and services.
				●Analyse the concepts relevant to Indian financial market and relevance.
				●understand concept of financial services, types and functions.
B.Com	III Semester	B.Com. 3.3 (DSC)	Company Law & Administration	●Understand the types of financial Instruments.
				● Demonstrate an understanding the functioning of stock markets.
				● Understand the different types of companies and CSR Activities under Companies Act 2013
				● Familiarizes on the procedure of Formation of a Company
B.Com	III Semester	3.7.1 Open Elective Course (OEC)	Entrepreneurship Skills	● Understand the roles and responsibilities Key Managerial Personnel
				● Understand the modes for source of capital and Books of Accounts
				● Understand the significance of corporate Meeting and procedure of winding up of a company
				● Identify the Factors that influence Entrepreneurship.
B.Com	III Semester	3.7.2 Open Elective Course (OEC)	Investments in Stock Market	● Understand the Skillsets required for Entrepreneur.
				●Identify the opportunities for developing Entrepreneurship skills through National and State Level Institutions.
				● Role played by MSME in the development of Indian Economy.
				●Identify the different Government Schemes available for promoting Entrepreneurs in India.
B.Com	IV Semester	B.Com. 4.1	Advanced Corporate Accounting	● Describe the Investment avenues and the investment environment
				●Measure risk and return associated with investments
				●Apply fundamental and technical analysis in stocks investment Understand the dynamics of investing in stock markets
				● Know the procedure of redemption of preference shares.
B.Com	IV Semester	B.Com. 4.1	Advanced Corporate Accounting	●Comprehend the different methods of Mergers and Acquisition of Companies
				●Understand the process of internal reconstruction.
				●Prepare the liquidators final statement of accounts.
				●Understand the recent developments in accounting and accounting standards.

B.Com	IV Semester	B.Com. 4.2	Cost Accounting	• Understand concepts of cost accounting & Methods of Costing. .
				• Outline the Procedure and documentations involved in procurement of materials & compute the valuation of Inventory
				• Make use of payroll procedures & compute idle and over time. Discuss the methods of allocation, apportionment & absorption of overheads.
				• Prepare cost sheet & discuss cost allocation under ABC.
B.Com	IV Semester	B.Com. 4.3	Business Regulations	• Recognize the laws relating to Contracts and its application in business activities.
				• Acquire knowledge on bailment and indemnification of goods in a contractual relationship and role of agents.
				• Comprehend the rules for Sale of Goods and rights and duties of a buyer and a seller.
				• Distinguish the partnership laws, its applicability and relevance.
B.Com	IV Semester	B.Com. 4.7.1 (OEC)	Corporate Governance	• Rephrase the cyber law in the present context.
				• Identify the importance of corporate governance.
				• Know the rights, duties and responsibilities of Directors.
				• Analyze the legal & regulatory framework of corporate governance.
B.Com	IV Semester	4.7.2 Open Elective Course (OEC)	Investments in Commodity Markets	• Outline the importance and role of board committee.
				• Understand the major expert committees' Reports on corporate governance.
				• Describe the conceptual framework of derivatives and the factors contributing to the growth of derivatives.
				• Elucidate the composition and structure of commodity markets.
B.Com	IV Semester	4.7.2 Open Elective Course (OEC)	Investments in Commodity Markets	• Differentiate between Futures, Forwards, options and its trading strategies. Classify the different types of orders, settlement and risks in the context of commodity trading.

BBA COURSE OUTCOME

BBA	I	BBA 1.1(Discipline Specific Core)	Management Innovation	• On successful completion of the course, the students will be able to
				• Understand the concepts related to Business Management.
				• Adapt to the changing opportunities.
				• Understand management information systems in practice
BBA	I	BBA 1.2(Discipline Specific Core)	Fundamentals of Accountancy	• Understand the role of Artificial Intelligence in Business Decisions.
				• On successful completion of the course, the students will be able to
				• Pass Journal Entries and Prepare Ledger Accounts.
				• Prepare Subsidiary Books.
BBA	I	BBA 1.2(Discipline Specific Core)	Fundamentals of Accountancy	• Prepare Trial Balance and Final Accounts of Proprietary concern.
				• Use Accounting Concepts in Spreadsheet.

BBA	I	BBA 1.3(Discipline Specific Core)	Marketing Management	● On successful completion of the course, the students will be able to
				● Analyse Marketing Environment its Impact on the Business.
				● Understand the Consumer Behaviour
				● Describe Marketing Mix and also strategize Marketing Mix
				● Describe Service Marketing Mix.
				● Use the Technology in Market Survey and Collection of Data.
				● Understand the Various Acts Related to Marketing.
BBA	I	BBA 1.5 Open Elective Course (OEC)	Tourism and Travel Management	● On successful completion of the course, the students will be able to
				● Understand the fundamental concept of Tourism.
				● Overview of the Tourism products and resources of India.
				● Understand the basic concept and various components of Tourism management.
				● Understand the Functions and Types of Travel Agents and Tour Operators.
● Familiarize the concept of Transport and Accommodation.				
BBA	II	BBA 2.1(Discipline Specific Core)	Financial Accounting and Reporting	On successful completion of the course, the students will be able to
				● Exercise the accounting treatments for departmental undertaking, and the accounting
				● Demonstrate various accounting treatments for dependent branches
				● Learn various methods of accounting for hire purchase transactions.
				● Learn the methods and accounting procedures of fire insurance claims
● Understand the Basic Concepts of international Reporting Standards				
BBA	II	BBA 2.2(Discipline Specific Core)	Human Resource Management	On successful completion of the course, the students will be able to
				● Describe HRP, Recruitment, Selection and retention process.
				● Describe induction, training, and compensation aspects.
				● Explain performance appraisal and its process.
● Demonstrate Employee Engagement.				
BBA	II	BBA 2.3(Discipline Specific Core)	Business Environment	On successful completion of the course, the students will be able to
				● Analyze the environmental factors influencing business organizations.
				● Demonstrate Competitive structure analysis for select industries.
				● Explain the impact of fiscal policy and monetary policy on business.
● Analyze the impact of economic environmental factors on business.				
BBA	II	BBA 2.4 Open Elective Course(OEC)	Retail Management	● Understand the Retail Business
				● Understand the business operations in Retailing
				● Have an overview of structure and formulate the retail strategies of Retail Business
				● Apply the Retailing principles and Theories
				● Explore the career opportunities in the Retail sector .

BBA	II	BBA 2.4 Open Elective Course(OEC)	Management of Non Government Organizations	On successful completion of the course, the Students will be able to
				• Understand the Fundamental concept of NGO.
				• An overview of strategy, structure of NGO.
				• Understand the managerial skill of NGO
				• Analyze and understand the challenges faced by NGO
• Find career opportunities.				
BBA	III	BBA 3.1 (Discipline Specific Core)	Elements of Cost Accounting	•Understand concepts of cost accounting & Methods of Costing.
				•Outline the Procedure and documentations involved in procurement of materials & compute the valuation of Inventory.
				•Make use of payroll procedures & compute idle and over time. Discuss the methods of allocation, apportionment & absorption of overheads.
				•Prepare cost sheet & discuss cost allocation under ABC.
BBA	III	BBA 3.2 (Discipline Specific Core)	Organisational Behaviour	•On successful completion of the course, the Students will be able to
				•Understand the role of OB in business organization
				• Understanding the Behaviour of Individual
				• Understand the group behaviour and Team dynamics
				• Learn various motivation and leadership theories
• understand the process of organizational development				
BBA	III	BBA 3.3(Discipline Specific Core)	Business Statistics	• On successful completion of the course, the Students will be able to
				•To understand the basic of statistical data collection and classification
				•To Analyse the data using the various averages and dispersion
				•To Interpret the data using correlation and regressions
				•To understand changes in data over a period of time through construction of index number
BBA	III	3.6.1 Open Elective Course (OEC)	Rural Marketing	On successful completion of the course, the Students will able to
				• Describe the importance and application of various concepts of rural marketing.
				• Demonstrate the appropriate selection of the segmentation, targeting and positioning strategies along with the environmental factors that influence rural consumers' buying behavior.
				• Design a Pricing Strategy that suits the characteristics of rural products and stage in the product life cycle.
				• Formulate the appropriate marketing communication and rural distribution channel plansto promote and deliver the rural products.
•Appraise the recent trends in Rural marketing and the application of digital technology in rural marketing.				

BBA	IV	BBA 4.1(Discipline Specific Core)	Management Accounting	●On successful completion of the course, the Students will be able to
				●Understand various management systems
				●Analyze and provide recommendations to improve the operations of organizations through the application of Management accounting techniques
				●Evaluate the benefits of different conventional and contemporary Management systems
				●Prepare analyses of various special decisions, using relevant management techniques
				●Apply management accounting and its objectives in facilitating decision making.
BBA	IV	BBA 4.2.1 (Discipline Specific Core)	Business Analytics	●On successful completion of the course, the Students will be able to
				●Understand types of analytics and data models
				●Understand the role of data indecision making, sources and types of Data
				●Ability to analyse data using different data analytic tools and draw inferences
				●Understand applied statistics for business problems.
				●Demonstrate visualization of data.
			OR	
BBA	IV	BBA 4.2.2	Indian Financial System	●On successful completion of the course, the Students will be able to
				●Understand the financial system, Institutions, financial markets and services.
				● Analyse the concepts relevant to Indian financial market and relevance.
				● understand concept of financial services, types and functions.
				●Understand the types of financial Instruments.
				●Demonstrate an understanding the functioning of stock markets.
BBA	IV	BBA 4.3	Financial Management	● On successful completion of the course, the Students will be able to
				● Identify the goals of Financial Management.
				● Enrich knowledge about financial decision making.
				● Evaluate projects using capital budgeting techniques
				● Design optimum capital structure using EBIT and EPS analysis
				● Evaluate working capital effectiveness in an organization.
BBA	IV	4.7.1 Open Elective Course (OEC)	Business Leadership Skills	● On successful completion of the course, the Students will able to:
				● understand the significance of leadership skills for effective people management.
				● increase the comprehension of leadership through various leadership theories.
				● analyse different leadership styles, types, patterns and functions.
				● demonstrate an understanding of various leadership approaches for effective management of people
				● demonstrate an awareness of ethical leadership.
● Understand the emerging trends in Leadership.				

BSC COURSE OUTCOME

BSc	I	DSC – 1	Chemistry-I (Analytical and Organic Chemistry – I)	● Learn the concepts of chemical analysis, accuracy, precision and statistical data treatment
				● Prepare the solutions after calculating the required quantity of salts in preparing the reagents/solutions and dilution of stock solution.
				● Know the concept of volumetric and gravimetric analysis and deducing the conversion factor for determination
				● Handle toxic chemicals, concentrated acids and organic solvents and practice safety procedures.
				● Understand the concepts of Organic reactions and techniques of writing the movement of electrons, bond breaking, bond forming
				● Learn the Concept of aromaticity, resonance, hyper conjugation, etc.
				● Understand the preparation of alkanes, alkenes and alkynes, their reactions, etc.
				● Understand the mechanism of nucleophilic, electrophilic reactions
BSc	I	DCE-Lab-1	Chemistry-I - practicals (Analytical and Organic Chemistry - Practicals)	● Understand the safety practices in the Chemistry Laboratory.
				● Develop awareness regarding toxicity of chemicals,
				● Know the importance of calibration of glassware, pipette, burette and volumetric flask,
				● Prepare standard/working solutions, standardization of solutions and determination of the respective analytes
				● Select suitable solvent for purification of organic compounds
				● Gain an insight to the mechanism behind the reaction and the significance of catalysts
				● Learn the importance of green methods over conventional methods and proficiently handle the byproducts and disposal of waste
				● Enthuse students to conduct experiments by arousing the curiosity which would help them in learning basics and advanced concepts through simulation-based labs

BSc	II	DSC – 2	Chemistry-II (Inorganic and Physical Chemistry– I)	<ul style="list-style-type: none"> ● Learn scientific theory of atoms, concept of wave functions, the fundamentals of quantum mechanics and concept of operators
				<ul style="list-style-type: none"> ● Understand the physical and chemical characteristics of elements
				<ul style="list-style-type: none"> ● Identify the given element, relative size, charges of proton, neutron and electron and their assembly to form different atoms
				<ul style="list-style-type: none"> ● Learn the theory of dilute solutions, distribution law and its applications
				<ul style="list-style-type: none"> ● Properties of liquid as solvent for various household and commercial use
				<ul style="list-style-type: none"> ● Explain the laws governing the behaviour of ideal gases and real gases including their comparison
				<ul style="list-style-type: none"> ● Understand the laws of crystallography, X-ray diffraction techniques, Bragg's law and its applications
BSc	II	DSC LAB-2	Chemistry-II - practicals (Inorganic and Physical Chemistry- Practicals)	<ul style="list-style-type: none"> ● Solve the problems related to quantum mechanics, different molecular velocities, critical constants and molar mass of non-volatile solutes
				<ul style="list-style-type: none"> ● Inculcate the significance of physical constants organic liquids
				<ul style="list-style-type: none"> ● Weigh accurately compounds up to fourth decimal
				<ul style="list-style-type: none"> ● Understand the concept of distribution coefficient, Nernst Distribution law, and how it takes different form when solute undergo association or dissociation in one of the layer
				<ul style="list-style-type: none"> ● Prepare standard/working solutions, standardization of solutions and determination of the respective analytes
				<ul style="list-style-type: none"> ● Handle proficiently byproducts and disposal of waste
				<ul style="list-style-type: none"> ● Learn the importance of green methods over conventional methods.
				<ul style="list-style-type: none"> ● Enthuse students to conduct experiments by arousing the curiosity which would help them in learning basics and advanced concepts through simulation-based labs

BSc	III	DSC – 3	Chemistry-III - (Analytical and Organic Chemistry- II)	<ul style="list-style-type: none"> • Understand the importance of fundamental law and validation parameters in chemical analysis
				<ul style="list-style-type: none"> • Know how different analytes in different matrices (water and real samples) can be determined by spectrophotometric, nephelometric and turbidometric methods.
				<ul style="list-style-type: none"> • Understand the requirement for chemical analysis by paper, thin layer and column chromatography.
				<ul style="list-style-type: none"> • Apply solvent extraction method for quantitative determination of metal ions in different samples
				<ul style="list-style-type: none"> • Utilize the ion-exchange chromatography for domestic and industrial applications
				<ul style="list-style-type: none"> • Explain mechanism for a given reaction.
				<ul style="list-style-type: none"> • Predict the probable mechanism for a reaction. Explain the importance of reaction intermediates, its role and techniques of generating such intermediates 12
				<ul style="list-style-type: none"> • Explain the importance of Stereochemistry in predicting the structure and property of organic molecules.
				<ul style="list-style-type: none"> • Predict the configuration of an organic molecule and able to designate it.
BSc	III	DSC – 3	Chemistry-III - practicals (Analytical and Organic Chemistry- II-practicals)	<ul style="list-style-type: none"> • Understand the importance of instrumental methods for quantitative applications
				<ul style="list-style-type: none"> • Apply colorimetric methods for accurate determination of metal ions and anions in water or real samples
				<ul style="list-style-type: none"> • Understand how functional groups in a compound is responsible for its characteristic property
				<ul style="list-style-type: none"> • Learn the importance of qualitative tests in identifying functional groups.
				<ul style="list-style-type: none"> • Learn how to prepare a derivative for particular functional groups and how to purify it.

BSc	IV	DSC-4	Chemistry-IV (Inorganic and Physical Chemistry-II)	● Predict the nature of the bond formed between different elements
				● Identify the possible type of arrangements of ions in ionic compounds
				● Write Born - Haber cycle for different ionic compounds
				● Relate different energy parameters like, lattice energy, entropy, enthalpy and solvation energy in the dissolution of ionic solids
				● Explain covalent nature in ionic compounds
				● Write the M.O. energy diagrams for simple molecules
				● Differentiate bonding in metals from their compounds
				● Learn important laws of thermodynamics and their applications to various thermodynamic systems
				● Understand adsorption processes and their mechanisms and the function and purpose of a catalyst
				● Apply adsorption as a versatile method for waste water purification.
				● Understand the concept of rate of a chemical reaction, integrated rate equations, energy of activation and determination of order of a reaction based on experimental
				● Know different types of electrolytes, usefulness of conductance and ionic mobility measurements
BSC	I	Phy.DSCT1	Mechanics & Properties of Matter	● Determine the transport numbers
				● Accuracy of measurement and sources of errors, importance of significant figures.
				● Understanding the difference between simple and torsional pendulum and their use in the determination of various physical parameters.
BSC	I	Phy-DSCP1 Lab I	Mechanics & Properties of Matter-LAB	● Knowledge of how various elastic moduli can be determined.
				● Hands on experience of different equipments.
				● Fixing units, tabulation of observations, analysis of data (graphical/analytical).
BSC	II	Phy-DSCT2	Electricity and Magnetism	● Knowledge of how g can be determined experimentally and derive satisfaction.
				● Measuring surface tension and viscosity and appreciate the methods adopted
				● Demonstrate Gauss law, Coulomb's law for the electric field, and apply it to systems of point charges as well as line, surface, and volume distributions of charges.
BSC	II	Phy-DSCT2	Electricity and Magnetism	● Explain and differentiate the vector (electric fields, Coulomb's law) and scalar (electric potential, electric potential energy) formalisms of electrostatics.
				● Apply Gauss's law of electrostatics to solve a variety of problems.
				● Describe the magnetic field produced by magnetic dipoles and electric currents.
				● Explain Faraday-Lenz and Maxwell laws to articulate the relationship between electric and magnetic fields.
				● Describe how magnetism is produced and list examples where its effects are observed.

BSC	II	Phy-DSCP1- Lab II	Electricity and Magnetism- LAB	<ul style="list-style-type: none"> ● Apply Kirchoff's rules to analyze AC circuits consisting of parallel and/or series combinations of voltage sources and resistors and to describe the graphical relationship of resistance, capacitor and inductor.
				<ul style="list-style-type: none"> ● Apply various network theorems such as Superposition, Thevenin, Norton, Reciprocity, Maximum Power Transfer, etc. and their applications in electronics, electrical circuit analysis, and electrical machines.
				<ul style="list-style-type: none"> ● Analyzing the AC bridges to determine the unknown parameters.
BSC	II	Phy.DSCT4	Thermal Physics & Electronics	<ul style="list-style-type: none"> ● Apply the laws of thermodynamics and analyze the thermal system.
				<ul style="list-style-type: none"> ● Apply the laws of kinetic theory and radiation laws to the ideal and practical thermodynamics systems through derived thermodynamic relations
				<ul style="list-style-type: none"> ● Use the concepts of semiconductors to describe different Semiconductor devices such as diode transistors, BJT, FET etc and explain their functioning.
				<ul style="list-style-type: none"> ● Explain the functioning of OP-AMPS and use them as the building blocks of logic gates.
BSC	III	Phy.DSCT3	Wave Motion and Optics	<ul style="list-style-type: none"> ● Give the use of logic gates using different theorems of Boolean Algebra followed by logic circuits.
				<ul style="list-style-type: none"> ● Identify different types of waves by looking into their characteristics.
				<ul style="list-style-type: none"> ● Formulate a wave equation and obtain the expression for different parameters associated with waves.
				<ul style="list-style-type: none"> ● Explain and give a mathematical treatment of the superposition of waves under different conditions, such as, when they overlap linearly and perpendicularly with equal or different frequencies and equal or different phases
				<ul style="list-style-type: none"> ● Give an analytical treatment of resonance in the case of open and closed pipes in
				<ul style="list-style-type: none"> ● Describe the different parameters that affect the acoustics in a building, measure it and control it.
				<ul style="list-style-type: none"> ● Give the different models of light propagation and phenomenon associated and measure the parameters like the wavelength of light using experiments like Michelson interferometer, interference and thin films.
<ul style="list-style-type: none"> ● Explain diffraction due to different objects like singles slit, two slits, diffraction of grating, oblique incidence, circular aperture and give the theory and experimental setup for the same. 				
<ul style="list-style-type: none"> ● Explain the polarization of light and obtain how the polarization occurs due to quarter wave plates, half wave plates, and through the optical activity of a medium. 				

BSC	III	Phy-DSCP3 - Lab III	Wave Motion and Optics- LAB	<ul style="list-style-type: none"> ● An experimental method of formation of different Lissajous figures under different conditions of amplitude and frequency.
				<ul style="list-style-type: none"> ● Understanding the standing waves and its related parameters by using Helmholtz
				<ul style="list-style-type: none"> ● Understanding how the wavelength of source can be obtained by setting up a Newton rings.
				<ul style="list-style-type: none"> ● An experimental method to measure the optical activity of a material.
BSC	IV	Phy.DSCT4	Thermal Physics & Electronics	<ul style="list-style-type: none"> ● Apply the laws of thermodynamics and analyze the thermal system.
				<ul style="list-style-type: none"> ● Apply the laws of kinetic theory and radiation laws to the ideal and practical thermodynamics systems
				<ul style="list-style-type: none"> ● Use the concepts of semiconductors to describe different Semiconductor devices such as diode transistors, BJT, FET etc and explain their functioning.
				<ul style="list-style-type: none"> ● Explain the functioning of OP-AMPS and use them as the building blocks of logic ● Give the use of logic gates using different theorems of Boolean Algebra followed by
BSC	IV	Phy-DSCP4 - Lab IV	Thermal Physics & Electronics-LAB	<ul style="list-style-type: none"> ● An experimental method of determining the Newton law of Cooling.
				<ul style="list-style-type: none"> ● Knowledge of Thermal conductivity of a bad conductor by Lee's and Charlton's
				<ul style="list-style-type: none"> ● Knowledge of how Planks constant can be determined experimentally.
				<ul style="list-style-type: none"> ● Understanding how to determine the various electronic parameter by constructing
BSC	I	MATDSCT 1.1	Algebra - I & Calculus - I	<ul style="list-style-type: none"> ● Learn to solve system of linear equations
				<ul style="list-style-type: none"> ● Solve the system of homogeneous and non homogeneous linear of m equations in n variables by using cocept of rank of matrix, finding eigen values and eigen vectors.
				<ul style="list-style-type: none"> ● Sketch curves in Cartesian, polar and pedal equations.
				<ul style="list-style-type: none"> ● Students will be familiar with the techniques of integration and Differentiation of function with real variable. ● Identify and apply the intermediate value theorems and L' Hospital Rule.
BSC	I	MATDSCP 1.1	Practical's on Algebra - I and Calculus - I	<ul style="list-style-type: none"> ● Learn Free and Open Source Software (FOSS) tools for computer programming.
				<ul style="list-style-type: none"> ● Solve problem on algebra & calculus theory studied in MATDSCTby using FOSS software's.
				<ul style="list-style-type: none"> ● Acquire knowledge of applications of algebra and calculus through FOSS.
BSC	I	MATOET 1.1	Mathematics - I	<ul style="list-style-type: none"> ● Learn to solve system of linear equations
				<ul style="list-style-type: none"> ● Solve the system of homogeneous and non homogeneous linear of m equations in n variables by using cocept of rank of matrix, finding eigen values and eigen vectors.
				<ul style="list-style-type: none"> ● Students will be familiar with the techniques of integration and Differentiation of function with real variable.
				<ul style="list-style-type: none"> ● Identify and apply the intermediate value theorems and L' Hospital Rule. ● Learn to trace some standard curves.

BSC	II	MATDSCT 2.1	Algebra - II & Calculus - II	<ul style="list-style-type: none"> Recognize the mathematical objects called Groups.
				<ul style="list-style-type: none"> Link the fundamental concepts of groups & symmetries of geometrical objects.
				<ul style="list-style-type: none"> Explain the significance of the notions of Cosets, normal subgroups and factor groups.
				<ul style="list-style-type: none"> Understand the concept of differentiation & fundamental theorems in differentiation and various rules. Find the extremal values of functions of two variables.
BSC	II	MATDSCP 2.1	Practical's on Algebra -II and Calculus -II	<ul style="list-style-type: none"> Learn Free and Open Source Software (FOSS) tools for computer programming.
				<ul style="list-style-type: none"> Solve problem on algebra & calculus theory studied in MATDSCT •1 by using FOSS software's
				<ul style="list-style-type: none"> Acquire knowledge of applications of algebra and calculus through FOSS.
BSC	III	MATDSCT 3.1	Ordinary Differential Equations & Real Analysis - I	<ul style="list-style-type: none"> Solve first- order non-linear differential equations and linear differential equations.
				<ul style="list-style-type: none"> To model problems in nature using Ordinary Differential Equations.
				<ul style="list-style-type: none"> Formulate differential equations for various mathematical models.
				<ul style="list-style-type: none"> Apply these techniques to solve and analyse various mathematical models.
				<ul style="list-style-type: none"> Understand the fundamental properties of the real numbers that lead to define sequence and series, the formal development of real analysis.
				<ul style="list-style-type: none"> Learn the concept and understand limits and their use in sequences, series, differentiation, and integration.
				<ul style="list-style-type: none"> Apply the ratio, root, alternating series, and limit comparison tests for convergence and convergence of an infinite series.
BSC	III	MATDSCP 3.1	Practical's on Ordinary Differential Equations & Real Analysis - I	<ul style="list-style-type: none"> Free and Open Source software(FOSS) tools or computer programming.
				<ul style="list-style-type: none"> Solving exact differential equations.
				<ul style="list-style-type: none"> Plotting orthogonal trajectories.
				<ul style="list-style-type: none"> Finding Complementary function and particular integral of linear & Homogenous Differential Equations.
				<ul style="list-style-type: none"> Acquire knowledge of applications of real analysis & differential equations.
				<ul style="list-style-type: none"> Verification of convergence/divergence of different types of series.

BSC	III	MATOET 3.1(B)	Quantitative Mathematics	• Understand number system and fundamental operations.
				• Understand the concept of linear, quadratic and simultaneous equations and their applications in real life problems.
				• Understand and solve the problems based on Age.
				• Solve Speed and Distance related problems
BSC	IV	MATDSCT 4.1	Patial Differential Equations and Integral Transforms.	• Solve the Partial Differential Equations of the first order and second order.
				• Formulate, classify and transform partial Differential equations into canonical form.
				• Solve linear and non-linear partial partial differential equations using methods; and apply these methods to solving some physical problems.
				• Able to solve Wave equation and Heat Equation.
				• Understand the concept of Laplace Transforms.
BSC	IV	MATDSCP 4.1	Practical's on Patial Differential Equations and Integral Transforms.	• Able to find the Fourier series and Fourier Transform of given functions.
				• Learn Free and Open Source Software (FOSS) tools for computer programming.
				• Solve problem on Partial Differential Differential Equations and Integral
				• To find Laplace Transform of various functions.
				• To find inverse Laplace Transform of various functions.
				• To find the Fourier series of periodic functions.
BCA COURSE OUTCOME				
BCA	I	CA-C1T	Discrete Strucutre	• To understand the basic concepts of Mathematical reasoning, set and functions
				• Understand the concepts of various types of relations, partial ordering and equivalence relations.
				• To understand various counting techniques and principle of inclusion and exclusions
				• Familiarize the fundamental concepts of graph theory and shortest path algorithm
BCA	I	CA-C2T	Problem Solving Techniques Using C	• Confidently operate Desktop Computers to carry out computational tasks
				• Understand working of Hardware and Software and the importance of operating systems
				• Understand programming languages, number systems, peripheral devices, networking, multimedia and internet concepts
				• Read, understand and trace the execution of programs written in C language
				• Write the C code for a given problem
				• Perform input and output operations using programs in C
• Write programs that perform operations on arrays				

BCA	II	CA-C3T	Data Structure	<ul style="list-style-type: none"> ● Describe how arrays, records, linked structures, stacks, queues, trees, and graphs are represented in memory and used by algorithms
				<ul style="list-style-type: none"> ● Describe common applications for arrays, records, linked structures, stacks, queues, trees, and graphs
				<ul style="list-style-type: none"> ● Write programs that use arrays, records, linked structures, stacks, queues, trees, and graphs
				<ul style="list-style-type: none"> ● Demonstrate different methods for traversing trees
				<ul style="list-style-type: none"> ● Compare alternative implementations of data structures with respect to performance
				<ul style="list-style-type: none"> ● Describe the concept of recursion, give examples of its use
BCA	II	CA-C6T	Computer Architecture	<ul style="list-style-type: none"> ● Understand the basics of instructions sets and their impact on processor design
				<ul style="list-style-type: none"> ● Understand the basics of instructions sets and their impact on processor design
				<ul style="list-style-type: none"> ● Demonstrate an understanding of the design of the functional units of a digital computer system.
				<ul style="list-style-type: none"> ● Evaluate cost performance and design trade-offs in designing and constructing a computer processor including memory.
				<ul style="list-style-type: none"> ● Manipulate representations of numbers stored in digital computers
BCA	II	CA-C7T	Object Oriented Programming Using JAVA	<ul style="list-style-type: none"> ● Understand the features of Java and the architecture of JVM
				<ul style="list-style-type: none"> ● Understand the features of Java and the architecture of JVM
				<ul style="list-style-type: none"> ● Write, compile, and execute Java programs that may include basic data types and control flow constructs and how type casting is done
				<ul style="list-style-type: none"> ● Identify classes, objects, members of a class and relationships among them needed for a specific problem and demonstrate the concepts of polymorphism and inheritance
				<ul style="list-style-type: none"> ● The students will be able to demonstrate programs based on interfaces and threads and explain the benefits of JAVA's Exceptional handling mechanism compared to other Programming Language
				<ul style="list-style-type: none"> ● Write, compile, execute Java programs that include GUIs and event driven programming and also programs based on files

BCA	II	CA-C8T	Database Management System	<ul style="list-style-type: none"> ● Databases, why databases are used, users, SQL, data types in SQL, introduction of queries - select, alter, update, delete, truncate, using where, and or in not in
				<ul style="list-style-type: none"> ● Describe the fundamental elements of relational database management systems
				<ul style="list-style-type: none"> ● Explain the basic concepts of relational data model, entity-relationship model, relational database design, relational algebra and SQL
				<ul style="list-style-type: none"> ● Design ER-models to represent simple database application scenarios
				<ul style="list-style-type: none"> ● Convert the ER-model to relational tables, populate relational database and formulate SQL queries on data.
				<ul style="list-style-type: none"> ● Improve the database design by normalization
				<ul style="list-style-type: none"> ● Familiar with basic database storage structures and access techniques: file and page organizations, indexing methods including B tree, and hashing.
BCA	III	CA-C11T	Operating Systems	<ul style="list-style-type: none"> ● know basic components of an operating system.
				<ul style="list-style-type: none"> ● comprehend how an operating system virtualises CPU and memory
				<ul style="list-style-type: none"> ● discuss various scheduling and swapping policies
				<ul style="list-style-type: none"> ● Learn basic concurrent programming in C and assembly code
				<ul style="list-style-type: none"> ● Explain how a simple file system organizes data in the hard disk
				<ul style="list-style-type: none"> ● understand how the file system in Linux-based operating systems is structured
				<ul style="list-style-type: none"> ● get to know how an operating system protects the computer system
BCA	III	CA-C12I	Computer Networks	<ul style="list-style-type: none"> ● Build an understanding of the fundamental concepts of computer networking.
				<ul style="list-style-type: none"> ● Familiarize the student with the basic taxonomy and terminology of the computer
				<ul style="list-style-type: none"> ● Introduce the student to advanced networking concepts, preparing the student for entry Advanced courses in computer networking.
				<ul style="list-style-type: none"> ● Independently understand basic computer network technology.
				<ul style="list-style-type: none"> ● Identify the different types of network topologies and protocols.
				<ul style="list-style-type: none"> ● Enumerate the layers of the OSI model and TCP/IP. Explain the function(s) of each layer
BCA	III	CA-C13T	Python Programming	<ul style="list-style-type: none"> ● To acquire programming skills in core Python.
				<ul style="list-style-type: none"> ● To acquire Object Oriented Skills in Python
				<ul style="list-style-type: none"> ● To develop the skill of designing Graphical user Interfaces in Python
				<ul style="list-style-type: none"> ● To develop the ability to write database applications in Python

BCA	IV	CA-C16T	Software Engineering	• Ability to identify the minimum requirements for the development of application
				• Ability to develop, maintain, efficient, reliable and cost effective software solutions
				• Ability to critically thinking and evaluate assumptions and arguments by using variant software architectural styles & software process models
				• Understanding of software testing approaches such as unit testing and integration testing
				• Understanding on quality control and how to ensure good quality software
BCA	IV	CA-C-17T	Design and Analysis of Algorithm	• Ability to analyze the performance of algorithms.
				• Ability to choose appropriate algorithm design techniques for solving problems.
				• Understand how the choice of data structures and the algorithm design methods impact the performance of programs
				• Identify problems using algorithm design methods such as the greedy method, divide and conquer, dynamic programming, backtracking and branch and bound
				• Understand the differences between tractable and intractable problems and P & NP classes.
BCA	IV	CA-C18T	Internet Technologies	• Analyze a web page and identify its elements and attributes.
				• Create web pages using XHTML and Cascading Style Sheets.
				• Build dynamic web pages using JavaScript (Client side programming).
				• Create XML documents and Schemas
MCOM COURSE OUTCOME				
MCOM	I	CEM101	1.1 MONETARY SYSTEM	• On successful completion of the course, the Students will be able to understand the Principles & Systems of Note Issue present in India and other countries.
				• The contents will expose students to the depth of the Domestic and International Monetary system and practices in general.
MCOM	I	CEM102	1.2 INTERNATIONAL BUSINESS ENVIRONMENT	• On successful completion of the course, the Students will be able to learn nature, scope and structure of Global Business Environment
				• To understand the influence of various environmental factors on global business operations.
MCOM	I	CEM103	1.3 PRINCIPLES AND PRACTICES OF BUSINESS	• To familiarise students with key macro-economic variables and their behaviour
				• To enable them to critically evaluate different economies and to enable students to integrate macroeconomic analysis into business decisions.
MCOM	I	CEM104	1.4 INFORMATION TECHNOLOGY FOR BUSINESS	• On successful completion of the course, the students will be able to understand E-Commerce Business Models, Security Threats & Protections as well as application of Technology in every corner of the business in the world.

MCOM	I	CEM105	1.5 MANAGERIAL FINANCE	<ul style="list-style-type: none"> ● On successful completion of the course, the Students will be able to understand the advanced tools and techniques used in evaluating projects for financial decisions
				<ul style="list-style-type: none"> ● The theories on financial management concepts will help the students to attain a greater anatomy on effective financial decision making in business.
MCOM	I	CEM106	1.6 GLOBAL TALENT MANAGEMENT	<ul style="list-style-type: none"> ● On successful completion of the course, the students will be able to understand the core concepts of Talent management and application of Talent management in various multi-disciplinary areas.
MCOM	I	CEM107	1.7 CORPORATE COMMUNICATION SKILLS	<ul style="list-style-type: none"> ● On successful completion of the course, the students will be able to understand the basic knowledge of risk, type of risks and tools of risk management.
				<ul style="list-style-type: none"> ● To demonstrate good team work and negotiation skills.
MCOM	II	CEM201	2.1 MODERN INDIAN BANKING	<ul style="list-style-type: none"> ● On successful completion of the course, the students will be able to understand the core banking services, prudential norms, new technologies and the latest transformation or reforms in Indian Banking Sector.
MCOM	II	CEM202	2.2 RISK MANAGEMENT & DERIVATIVES	<ul style="list-style-type: none"> ● On successful completion of the course, the students will be able to understand the core banking services, prudential norms, new technologies and the latest transformation or reforms in Indian Banking Sector.
				<ul style="list-style-type: none"> ● They can understand the role of derivatives as financial instruments to mitigate the risks in Business.
MCOM	II	CEM203	2.3 ADVANCED RESEARCH METHODOLOGY	<ul style="list-style-type: none"> ● On successful completion of the course, the Students will be able to learn concepts, tools and techniques of the methodology of business research.
				<ul style="list-style-type: none"> It also gives an opportunity to do a research / consultancy project in future.
MCOM	II	CEM204	2.4 DIGITAL MARKETING	<ul style="list-style-type: none"> ● On successful completion of the course, the students will gain industry background knowledge to knowledgeably navigate Digital Marketing topics including Digital advertising, search, social media, and online privacy.
MCOM	II	CEM205	2.5 EMERGING TRENDS IN ENTREPRENEURSHIP	<ul style="list-style-type: none"> ● On successful completion of the course, the students will gain in-depth knowledge on venture creation and development of business plan.
				<ul style="list-style-type: none"> ● The students are exposed to successful entrepreneurship stories and encourage them to start their own enterprise.
MCOM	II	CEM206	2.6 INDIAN ETHOS AND LEADERSHIP	<ul style="list-style-type: none"> ● On successful completion of the course, the Students will be able to learn Indian Ethos and values along with its relevance on Leadership to take managerial decision making in the organization.
MCOM	II	CEM207	2.7 ARTIFICIAL INTELLIGENCE IN BUSINESS	<ul style="list-style-type: none"> ● In the business world, competition is the main factor, intelligence is prerequisite for understand to meet competition.
				<ul style="list-style-type: none"> ● AI and BI are essential learning and analytical concepts. So that, students can enhance their intelligence and they can take-up career in these fields.

MCOM	III	CEM301	3.1 INTELLECTUAL PROPERTY RIGHTS	<ul style="list-style-type: none"> ● On successful completion of the course, the students will understand fundamental aspects of Intellectual Property Rights to students who are going to play a major role in development and management of innovative projects in industries and an ample scope of knowledge on copyrights and its related rights and registration aspects.
MCOM	III	CEM302	3.2 LOGISTICS and SUPPLY CHAIN MANAGEMENT	<ul style="list-style-type: none"> ● On successful completion of the course, the Students will be able to understand the concepts of Logistics and also to understand the importance Supply Chain Management in different kinds of Industries.
MCOM	III	CEM3A1	3.3 (Accounts) CORPORATE REPORTING PRACTICES- I	<ul style="list-style-type: none"> ● On successful completion of the course, the Students will be able to understand the reporting aspects of different elements, standards of Financial Statements.
MCOM	III	CEM3A2	3.4 (Accounts) STRATEGIC COST MANAGEMENT – I	<ul style="list-style-type: none"> ● In the business world, competition is the main factor, intelligence is prerequisite for understand to meet competition.
MCOM	III	CEM3A3	3.5 (Accounts) CORPORATE TAX PLANNING	<ul style="list-style-type: none"> ● In the business world, competition is the main factor, intelligence is prerequisite for understand to meet competition.
				<ul style="list-style-type: none"> ● Corporate tax planning as a subject is very interesting to know how the corporate assesses plan to utilize various provision as provided in the Income Tax Act 1961 with an objective to minimize their tax liability.
				<ul style="list-style-type: none"> ● The students have to keep themselves updated with Finance Act applicable for respective financial year.
MCOM	IV	OPE3SL	3.6 Open Elective	<ul style="list-style-type: none"> ● To understand cyber space, social media in cyber space, advantages, disadvantages, IT Act 2000/2008, Digital Signature, Electronic Signature, e-commerce, and e-
MCOM	IV	CEM401	4.1 BUSINESS ANALYTICS	<ul style="list-style-type: none"> ● On successful completion of the course, the student can understand the importance of analytics in business and application of various tools and techniques to evaluate the performance by generating reports.
MCOM	IV	CEM402	4.2 FORENSIC ACCOUNTING & AUDITING	<ul style="list-style-type: none"> ● On successful completion of the course, the Students will be to identify, analyse and interpret indicators of financially fraudulent activity and to explain investigative processes and the nature and range of investigative techniques, and identify situations for their application.
MCOM	IV	CEM4A1	4.3 (Accounts) CORPORATE REPORTING PRACTICES-II	<ul style="list-style-type: none"> ● On successful completion of the course, the Students will be able to understand the wide range of choices of accounting treatments in different parts of the world, their approaches to basic accounting issues and their choices of accounting rules.

MCOM	IV	CEM4A2	4.4 (Accounts) STRATEGIC COST MANAGEMENT – II	<ul style="list-style-type: none"> ● On successful completion of the course, the Students will be able to understand the external environment of business and to enable them to formulate strategies relating to cost and pricing.
MCOM	IV	CEM4A3	4.5 (Accounts) CUSTOMS DUTY and GST	<ul style="list-style-type: none"> ● On successful completion of the course, students will be able to understand the GST law in the country and provide an insight into practical aspects of GST and equip them to become tax practitioners.
MCOM	IV	CEM403	4.6 Dissertation / Project	<ul style="list-style-type: none"> ● To engage in systematic discovery and critical review of appropriate and relevant information sources and to test the independent research skills students have acquired during their study in the college.



