

### **Bachelor of Commerce (Honors)**

# (Logistics and Supply Chain Management)

## **Program Outcomes (POs)**

<b>PO1:</b> Demonstrate knowledge and skills in the field of Commerce and Business including accounting, auditing, finance, taxation and law that are relevant to employment as well as entrepreneurship.
<b>PO2:</b> Develop ability to apply functional/cross-functional knowledge and skills in new and concrete situations by engaging in project-based learning, on-the-job training and internships.
<b>PO3:</b> Develop analytical reasoning and critical thinking skills to be able to make data-driven business decisions and create stakeholder value.
<b>PO4:</b> Express thoughts and ideas clearly, logically and effectively in written as well as oral communication.
<b>PO5:</b> Keep current on emerging technologies tools to understand how these impact business operations and the use of information for decision making.
<b>PO6:</b> Develop an Entrepreneurial mindset towards business opportunities whether working in own/family business (Entrepreneurship) or in employment (Intrapreneurship).
<b>PO7:</b> Ability to lead/organize self and others in a cross-disciplinary team environment.
<b>PO8:</b> Embrace moral/ethical values in conducting one's life, use ethical practices in all work and play a constructive role as a responsible citizen in the society.
<b>PO9:</b> Ability to achieve Globally-recognized professional qualifications, or attitude to engage in life-long learning, and adapt to changing trades and demands of workplace through upskilling / reskilling.



#### **Program Specific Outcomes (PSO)**

- ✓ PSO1: Demonstrate knowledge and skills of core concepts relating to business, commerce, supply chain management and logistics.
- ✓ PSO2: Ability to earn membership of UK CIPS (Chartered Institute of Procurement and Supply) which is the world's largest organization dedicated to the global procurement and supply management profession.
- ✓ PSO3: Ability to develop, improve and fulfill organizational and functional objectives in logistics and supply chain management.
- ✓ PSO4: Ability to analyze complex qualitative and quantitative data to support operational as well as strategic business decisions.
- ✓ **PSO5:** Ability to increase operational effectiveness of supply chains, leverage emerging digital supply chain business models, and transform organizations into a digital supply chain.
- ✓ PSO6: Demonstrate understanding of entrepreneurial supply chains which go beyond the traditional focus on cost, quality, and delivery to also embrace innovation and growth.



## **Course Outcomes (COs)**

### 2019-20 Batch

Semester	Course Code	Course Name	Course Outcomes (COs)
I	16BCC1C0 6	BUSINESS ECONOMICS	CO1: describe the basic concepts of economics. CO2: apply demand and supply principles, consumer behavior techniques and various forms of market structures. CO3: analyze the essential economic theories and its implication and enable students to cast the flow of money in economy through financial institutions and capital market. CO4: demonstrate the macro economic variables such as national income, output, savings and investment, employment and facilitate students' interpretation of government policies to overcome these economic problems. CO5: describe the knowledge of international trade, exchange rates and role of international organization to facilitate such trade
I	16BCHC1C 08	FUNDAMENTA LS OF HUMAN RESOURCE MANAGEMENT	CO1 – Illustrate the importance, objectives and functions of Human Resource Management. CO-2 - Develop an understanding and importance of human resource planning as well as its role. CO-3 – Critically analyze the objectives, methods and principals involved in performance appraisal. CO-4 – Breakdown and Analyze the purpose and basis of promotions & transfers. CO-5 - Acquaint students with the latest developments in Human Resource Management to adapt to the changing business environment
I	20BCC1C0 1	FINANCIAL ACCOUNTING - I	CO1: Develop the ability to use fundamental accounting equation to analyse the effect of business transactions on an organisation's accounting records and financial statements.  CO2: Ascertainment of purchase consideration and its discharge in case of conversion of partnership firm.  CO3: Analyse the pros and cons of hire purchase and instalment system and develop decision making skills during there purchase.  CO4: Ability to maintain the Royalty Account in the books of Lessor and Lessee.  CO5: Compute Fire Insurance claims under different circumstances.



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I	19BC2H1C 04	BUSINESS MATHEMATICS	CO 1: Apply Set Theory to encode a totality of information of a certain kind in a more formal manner CO 2: Demonstrate the matrix arithmetic and solve the linear equations with two or three variables using Cramer's rule and also to familiarize the business applications of matrices in the current scenario. CO 3: familiarize the concepts and business applications of ratios and proportions. CO 4: acquaint the learners about the financial dealings like simple, compound interests, annuities etc. CO 5: Analyze the problems arising in mathematics, navigation, engineering, science, Economics etc. using Vectors.
II	19BCCH2C 01	BUSINESS STATISTICS	CO 01: Identify & use the different methods of representing Uni-variate data & compute measures of central tendency. CO 02: Compute Measures of Dispersion for describing the spread or variation of the data. CO 03: To make the learners familiarize the need of bi-variate data analysis for the survival of current dynamical business world with the help of correlation and regression analysis. CO 04: Compute Index numbers to compare the prices, quantities or value of the products & study the cost of living index. CO 05: Construct time series models for arranging the data in chronological order & to study the trend.
II	20BCC3C0 2	FUNDAMENTA LS OF MARKETING MANAGEMENT	CO1: Understanding and examining the basic concepts of marketing and marketing environment CO2: Appraise market research process and analyze STP process. CO3: Breakdown and examine various product and pricing strategies. CO4: Understand the elements of promotion mix and factors affecting choice of distribution. CO5: Outline and analyze the recent trends in marketing
II	19BC7H2C 02	SOURCING AND CONTRACT MANAGEMENT FOR LOGISTICS AND SUPPLY CHAIN	CO-1: Analyze the Commercial Agreement and Contract Agreement writing CO-2: Identify the appropriate selection criteria for sourcing plan CO-3: Appraise the main sources of information on potential supplier's financial performance CO-4: Point out the application of commercial negotiations in the network of procurement and supply CO-5: Analyze the legislative, regulatory and Organizational requirements in non-profit, private and public sectors



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II	19BC5H2C 03	MANAGING PROCUREMEN T CONTRACTS & LOGISTICS AND SUPPLY CHAIN MANAGEMENT	CO-1: Evaluate the main influences that shape Organisational Behaviour CO-2: Analyse the financial, technical and performance data relating to the performance of contracts CO-3: Analyse the factors influencing management of individuals involved in procurement and supply function CO-4: Identify the different risks that can impact on contracts and analyse the various approaches to conflict resolution in commercial contracts CO-5: Differentiate contract management and supplier relationship management and appraise the different techniques for suppliers development and relationship improvement
II	19BCC4S06 1	ENTREPRENE URSHIP	CO1: Illustrate the concept of entrepreneurship and its needs in current scenario. CO2: Examine the business environmental analysis and preparing a planning CO3: Articulate technical, financial, managerial and personnel feasibility of a business plan CO4: Identify and learn the relationship between a business organization and various government schemes and regulations. CO5: Articulate why entrepreneurs fails and the various pitfalls of entrepreneurs.
II	19BCCH2S 04	Business Environment fo r Logistics and Supply Chain Management	CO -1: Analyze the different sources of added value in Procurement and Supply Chain CO-2: Identify sound approaches to sourcing activities that assess the Commercial and Technical capabilities of organization CO-3: Assess different types of specification used in procurement of products and recognize the key performance indicators in contractual agreements. CO-4: Appraise the operation of financial budgets for the control of procurements and assess the estimated cost and price for procurement activities. CO-5: Acquaint the codes of ethics in procurement and assess the impact of procurement in different economic and industrial sectors.



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III	19BCC3C0 3	CORPORATE ACCOUNTING	co1: Exposure to the process of internal reconstruction along with accounting treatments co2: Developing an insight on Mergers and Acquisitions of Companies and to help in the preparation of accounts in the books of both vendor and purchasing companies co3: Summarize accounting transactions and prepare final accounts according to Schedule III of Companies Act, 2013 co4: Analyzing the provisions of Companies Act, 2013 for liquidation and the hierarchy of settlement of claims at the time of liquidation co5: Exposure to the contemporary trends in the accounting world
III	19BC5H3C 04	COST ACCOUNTING	CO-1: Learning cost concepts, cost behaviors and cost accounting techniques that are applied to manufacturing and service businesses.  CO-2: Recognizing the inventory cost control techniques followed by industries.  CO-3: Analyzing the appropriate technique to control the labor cost.  CO-4: Interpreting fixed and variable overheads among the expenses involved in concern.  CO-5: Analyzing the differentiation in profit according to financial accounting and cost accounting.  CO-6: Determining cost, estimating profit and fixing selling price.
III	19BC5H3C 05	SUPPLY CHAIN RISK MANAGEMENT AD2	CO-1. Appraises the variety of tools and techniques to establish the level of risk in supply chain. CO-2. Analyze the risk in supply chain projects through effective project management CO-3. Articulate and analyze the outsourced third party providers auditing risks in supply chains CO-4. Illustrate the use of probability in assessing the risks and registers CO-5. Acquitant the strategies to mitigate risks in supply chain and developing contingency plan
III	19BCR3S06 3	BUSINESS ETHICS AND NEGOTIATION SKILLS	CO1. Acquire basic and fundamental knowledge on Negotiation skills CO2. Identify goals, options and criteria for success. CO3. Attain the knowledge on the stages and phases of negotiation CO4. Realize negotiation styles and strategies CO5. Reveal the methods and algorithms for psychological press



	Course		DEEMED-TO-BE UNIVERSITY
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III	19EXTR0G 5	MANAGEMENT INFORMATION SYSTEMS	CO1: Attain the essential importance of Information systems and subsystems which impacts business decision-making process.  CO2: Enumerate the frame work and components of information systems by connecting with its vital elements.  CO3: Demonstrate various subsystems involved in decision making process of the dynamic business world.  CO4: Determine various security issues and complexities in developing a suitable information system for an organization.  CO5: Examine various application systems available in efficient organizational management and decision making process.  CO6: Recognize various methods and techniques as well as the latest trends available in digital world to support effective organizational decision making process
IV	19BCC4C0 2	FINANCIAL MANGEMENT	CO1 - Identify the present and future value of money and understanding the financial plan CO2 -Understanding the alternative sources of finance and investment opportunities and their suitability in particular circumstances. CO3 -Assess the factors affecting investment decisions and opportunities presented to an organization. CO4 -Select and apply techniques in managing working capital CO5 -Analyze the company's performance and make appropriate recommendations.
IV	19BC5H4C 03	SUPPLY CHAIN EFFICIENCY	CO1: Analyze the range of process that help to achieve improvements in business performance through its supply chain.  CO-2: Demonstrate and compare the difference main approaches to total quality management for supply chain improvement  CO-3: Evaluate the competitive advantages of supply chain and analyze the different models of supply chain for effective performance  CO-4: Analyze the various techniques to promote the development of innovation in supply chain.  CO-5: Appraise the technological developments effecting supply chain



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IV	19BC5H4C 04	SUSTAINABLE SUPPLY CHAIN MANAGEMENT	CO1: Analyze and assess the main implications of sustainability in supply CO2: Analyze the leading standards of environmental purchasing labour codes effect in sustainability in supply chain. CO3: Identify the strategies to incorporate sustainability in supply chain. CO4: Categorize the levels of complexity in supply chains impacting on compliance with standards for sustainability CO5: Assessing the competences of third party organization for the provision of audit services and analyzing the results of employee involvement in workplace matters
IV	19EXTROG 6 / 19EXTROG 7	GENERIC ELECTIVE: ORGANIZATIO NAL PSYCHOLOGY/ APPLIED STATISTICS	CO1: Appraise the importance and perspectives of organizational psychology CO2: identify the influence of individual personality & perception within organization CO3: Analyze & Understand complexities of group behavior in organization CO4: Examine organisation changes and relate it to managerial implications CO5: Illustrate the of importance conflict management within organisations  APPLIED STATISTICS  CO1: Find the theoretical probability of a single event using the concept of permutation and combination of n number of objects CO2: Find the conditional probability of an event, provided that another event has occurred. CO3: Understand the concept of random variables and differentiate between discrete and continuous random variables CO4: Differentiate between random experimental probabilities and theoretical probabilities. CO5: Compute probability values, expectation and variance from distribution functions CO6: Understand the utility of sampling and be able to distinguish between different sampling techniques CO7: Understand the need of estimation and be able to use point and interval estimation techniques successfully CO8: Frame null and alternate hypotheses and successfully test hypotheses based on basic techniques



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IV	19MENVIO VE2	ENVIRONMENT AL SCIENCE	CO1: Demonstrate the ability to apply the concept of Sustainability in daily walks of life. CO2: Ability to analyze the process and progress in various Ecosystems. CO3: Capacity to identify the issues associated with natural resources and provide solutions to overcome the same. CO4: Differentiate levels of Biodiversity and identify the ways to conserve the living organisms CO5: Ability to determine various forms of pollution and recommended solid waste management techniques CO6: Ability to implement various environmental laws
			applicable to fronts of Life.  CO7: Ability to demonstrate the application of disaster management techniques
IV	19BCR4S0 64	ORGANIZATIO NAL DYNAMICS	CO1: Illustrate the applicability of analysing the complexities associated with management of individual behaviour in the organization.  CO2: Appraise leadership skills through participation in experiential exercises  CO3: Describe and understand concepts and theories that are central to leadership and leadership development  CO4: Examine the impact and influence of power & politics on organizational behaviour  CO5: Describe the role of culture in determining effective Organizational perceptions and outcomes.
V	16BCC5C0 1	INCOME TAX	CO1: Elaborate the outline to students with basic principles underlying the provisions of direct tax laws and to develop a broad insight of the tax laws and accepted tax practices.  CO2: Apply basic tax concepts to simple fact situations and communicate potential income tax ramifications in writing and in oral.  CO3: The course will be able to explain different types of incomes and their taxability, expenses and their deductibility. The course will enable students to learn various direct taxes and their implication in practical situations.  CO4: The course will able to state the use of various deductions to reduce the taxable income and research, analyse and evaluate income tax information and issues.  CO5: State practical aspects of tax planning as an important managerial decision-making  Process, apply critical thinking and problem solving skills to resolve income tax issues.



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V	18BC5H2C 04	MANAGEMENT ACCOUNTING	CO1: Elucidate students about the basics of management accounting concepts and provide learners to summarise the use of financial statement information. It enables learners to examine the costs affecting - financial performance and risk of company based on its financial statements.  CO2: Enable student critically compare and provide recommendations to improve operations of organization by solving ratio analysis tool and costing techniques.  CO3: Demonstrate mastery of costing systems, cost management systems through use of marginal and standard costing techniques.  CO4: Assist student in criticising the activities that directly and indirectly affect company's overall cash balance.  CO5: Devise skills of budgetary control system and enable learners to prepare budget and also to enhance the reporting skills.  CO6: Impart knowledge of various performance measurement techniques and application of cost reduction techniques.
V	19BCCH5C 04	FUNDAMENTA LS OF STRATEGY	CO1: Clarify the practical and integrative model of strategic management process that defines basic activities in strategic management CO2: Check the competitive situation and strategic dilemma in dealing with dynamic global business environment in terms of rapidly changing market trends and technological advancement CO3: Demonstrate the knowledge and abilities in formulating strategies and strategic plans CO4: Assess challenges faced by managers in implementing and evaluating strategies based on the nature of business, industry, and cultural differences CO5: Articulate the innovative approaches to solve the emerging strategic issues in the non-profit organizations
V	19EXT0G7	GENERIC ELECTIVE: RESEARCH METHODOLOG Y	CO1: Associate the relevance of various research processes with the present business scenario. CO2: Identify relevant research problems pertaining to a broad discipline on the basis of review of literature. CO3: Employ a suitable research design for any given research problem. CO4: Efficiently collect and there by assess data with the use suitable quantitative tools to derive meaningful conclusions. CO5: Create a well documented research report.



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V	17BC5H5C 01	LOGISTICS AND SUPPLY CHAIN OPERATIONS	CO1: Articulate the concept and scope of operations management and design of operations management to meet the requirements of supply chain organisations.  CO2: Explicate the capacity planning and control in operations management in supply chain organisations.  CO3: Unfold the improvement methodologies that can be applied in operations management to improve supply chain performance.  CO4: Describe the capacity planning and control in operations management, material requirements planning and manufacturing resource planning.  CO5: Summarize the methodologies used in operations management.
V	17BC5H5D 02	MANAGEMENT AND LEADERSHIP FOR SUPPLY CHAIN	CO1: Differentiate between managing and leading. CO2: Delineate the leadership skills and behaviour which are most effective in improving procurement and supply chain management. CO3: Report creation of a plan to communicate the leadership vision which engages personal and empowers them to take responsibility for their own improvement. CO4: Objectify the strategies and activities which describes managers and leaders responding to the challenge effectively. CO5: Delegate the main methods that effects the planning accountability and responsibility in supply chain management.
V	17BC5H5D 03	ENTERPRISE STRATEGY	CO1: Elucidate the concept of an enterprise strategy in the context of supply chain organisations.  CO2: Describe how strategies are formulated within supply chain organisations.  CO3: Identify key characteristics of supply chains which impact on strategy development.  CO4: Evaluate the key factors which would be incorporated into a plan for the development of functional strategy in supply chain organisations.  CO5: Asses the suitability, acceptability and feasibility of strategies for portfolio matrices in supply chain organisations



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VI	17BCSH6C 01	BUSINESS TAXATION	CO1: Paraphrase the basic principles underlying the GST Act Compute the taxable income of an assessee.  CO2: Analyse the assessment procedure and representation before appropriate authorities under the law.  CO3: Distinguish the implications in computing tax liability of an individual.  CO4: Determine the application of valuation with respect to customs duty.  CO5: Explain the rules for adopting and changing an accounting period.
VI	16BCC6C0 3	BUSINESS LAW	CO1: Determine the nature, meaning, essentials of contracts and the impact of legislation upon contract law also assess the application of special contracts of Indemnity, Guarantee, Bailment and Pledge in business.  CO2: Identify the legal framework of contracts relating to sale of goods in different business situations and the rights of buyers.  CO3: Consolidate the application of competition law to business agreements, the exercise of dominant position and combinations between firms, sellers and enforcement mechanisms.  CO4: Enumerate the law in consumer protection Act and deduce the basic procedures for handling consumer dispute and redressal agencies.  CO5: Determine a critical understanding of the Cyber law with respect to Information Technology Act.
VI	19BCCH6C 03	INTERNATION AL BUSINESS ENVIRONMENT AND CONCEPTS	CO1: Acquaint knowledge about legal structures and corporate governance procedures. CO2: Sketch and discuss the various performance management system. CO3: Examine the key economic measures in the emerging business environment. CO4: Report and recognise the information technology strategies in business environment. CO5: Characterize the role of network and business automation technologies.
VI	19EXTR0G 5	GENERIC ELECTIVE: MANGEMENT INFORMATION SYSTEM – ERP	CO1: Relate the basic concepts and technologies used in the field of management information systems. CO2: Compare the processes of developing and implementing information systems. CO3: Outline the role of the ethical, social, and security issues of information systems. CO4: Translate the role of information systems in organizations, the strategic management processes, with the implications for the management. CO5: Apply the understanding of how various information systems like DBMS work together to accomplish the information objectives of an organization



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VI	17BC5H5D 04	STRATEGIC SUPPLY CHAIN MANAGEMENT	co1: Investigate the concept of supply chain strategy, evaluate how it contributes to improved business performance and competitive advantage.  co2: Explain factors which affect the development of strategic supply chain.  co3: Review the data and evidence and explain how it can be used to develop, support and communicate strategic supply chain management plan.  co4: Explain how to develop and maintain strategic relationship across the supply chain.  co5: Demonstrate the importance of industry collaboration, supply chain design and design of supply chain plan.
VI	19BC5H6D 05	PROJECT AND RELATIONSHIP MANAGEMENT AND SUPPLY CHAIN DILIGENCE	co1: Elucidate the concept of project and relationship management in the context of supply chain diligence.  co2: Understand the use of programme and project approaches to delivering change within supply chain organisation  co3: Describe key project methodologies and the project life cycle.  co4: Evaluate the impact on supply chain relationship of adopting programme and project management approaches to delivering change  co5: Evaluate the application of programme and project methodology to planning, resource management, governance, and management structures within supply chain organisations