



Department of Commerce : Accounting and Finance (BAF)

Programme outcome:-

1. The course supports Learners to gain knowledge in the field of accounting, taxation, auditing, risk management, financial accounting, managerial economics, and business law and business communications.
2. Learners can make their career as financial experts and also develop a better understanding of the markets as this course gives an in-depth understanding of the essential qualities and areas of expertise required for such jobs.
3. Students get opportunities to explore many career paths like investment and portfolio management, stock market, security analysis, mutual fund and capital market analysis, Money market, accounting field, financial field etc.
4. The programme aims to develop professional skills among students and build a strong foundation in Accounts and Finance.

FYBAF		
	COURSE	OUTCOME
1	Financial Accounting I & II	<ul style="list-style-type: none"> • It inculcates knowledge of various accounting concepts and policies. • To Calculate gross and net profit or loss, department-wise • It introduces the students to working knowledge of Accounting Standards issued by the ICAI. • Understand Hire purchase system and accounting treatment of hire Purchase system
2	Cost Accounting (Introduction and Elements of Cost)	<ul style="list-style-type: none"> • To serve as a guide to price fixing. • It will acquaint the students to understand various areas of cost accounting
3	Financial Management	<ul style="list-style-type: none"> • It helps to study the role and responsibilities of finance manager, finance function, management of finance. • As a prerequisite, the students should be having basic knowledge about elementary concepts of finance. • Course aims to provide basic knowledge about financial management from accounting and finance's perspective



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4	Business Communication I & II	<ul style="list-style-type: none"> • It helps to distinguish between verbal and non-verbal communication. Identify various modes of communication. • Participate in debates and elocution thereby overcoming stage fear. • To Prepare curriculum vitae for self and others. • To Draft effective job letters like cover letter, job acceptance letter and resignation letter .
5	Commerce: Business Environment	<ul style="list-style-type: none"> • It helps to understand the dynamics of Business and its Environment, Types of Business Environment. • It acquaint the students to perform Environmental Analysis using PESTEL Analysis & SWOT Analysis • Discuss Ethical Dilemmas, Corporate Culture and Ethical Climate. • To develop Entrepreneurship as a Career Option Examine Consumerism in India & discuss Consumer Protection Act 1986.
6	Business Economics	<ul style="list-style-type: none"> • Able to understand the knowledge of Traditional Financial services, issue management, securitization, financial services & its mechanism, consumer finance and credit rating.
7	Foundation Course I & II	<p>To get knowledge about:</p> <ul style="list-style-type: none"> • Nature of Indian Society • The gender inequality in society • Diversity As difference and disparity as inequality. <p>Philosophy of the constitution of India.</p>
8	Auditing (Introduction & Planning)	<ul style="list-style-type: none"> • It enables to understand the knowledge audit techniques with standards, Understanding internal audit, planning, procedures and documentation.
9	Innovative Financial Services	<ul style="list-style-type: none"> • Able to understand the knowledge of Traditional Financial services, issue management, securitization, financial services & its mechanism, consumer finance and credit rating.
10	Business Law	<ul style="list-style-type: none"> • It enables the students to understand the legal framework with regards to the Law of Contract 1872, Sale of Goods Act 1930, Negotiable Instrument Act 1881, Consumer Protection Act 1986.
11	Business Mathematics	<ul style="list-style-type: none"> • It enables the students to learn to apply commonly used mathematical concepts and statistical methods in business contexts and how to interpret analyses performed by others. • To equip the student with a broad based knowledge of mathematics with emphasis on business application.



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SYBAF

COURSE	OUTCOME
1 Financial Accounting (Special Accounting Areas III)	<ul style="list-style-type: none"> • Prepare final accounts of partnership firm along with either the effects of admission and retirement of the partners • Give effects of the goodwill when partners are admitted or getting retired from partnership firm • Compute purchase consideration and prepare necessary accounts for the amalgamation of partnership firm and also for the conversion of partnership firm into Ltd. Companies
2 Cost Accounting (Methods of Costing II)	<ul style="list-style-type: none"> • Student will understand basic of cost accounting, reconciliation of cost sheet with financial accounts. • Students will understand calculation of Contract costing and process costing. •
3 Direct Tax II & III	<ul style="list-style-type: none"> • Creates an understanding of the basic concept of Direct Tax and basic definition related to Direct Tax and assessee. • Provides learners an idea of the process and techniques of calculation of taxability and tax liability.
4 Information Technology in Accountancy – I & II	<ul style="list-style-type: none"> • To study the automation in accounting system. • To impart knowledge on computerized accounting system. • A detailed study of MIS reporting in Computer environment. • To conduct a study on business process management and its life cycle.
5 Foundation Course - Contemporary Issues III & IV	<ul style="list-style-type: none"> • Discuss and communicate the management evolution and how it will affect future managers. • Provides a deeper outlook of various functions of managing the organization. • Evaluate leadership styles to anticipate the consequences of each leadership style.
6 Business Law (Company Law) III	<ul style="list-style-type: none"> • Recall the definitions of terms such as 'accounting standards', 'deposit', 'financial year', 'government company', 'depository', 'small person company', 'one-person company', etc. as per the provisions of the Companies Act, 2013. • Explain the various types of companies that can be formed. Differentiate between public and private Limited companies. • Prepare company documents such as the Memorandum &



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		Articles of Association.
7	Business Economics	<ul style="list-style-type: none"> • Student should be understand concepts like macroeconomics, prices and inflation, public revenue and expenditure, • Student should understand the knowledge about fiscal and financial administration.
8	Research Methodology in Accounting and Finance	<ul style="list-style-type: none"> • Learner will depict the basic framework of research process in accounting and finance. • Learner will be able to understand of various research design, hypothesis and techniques. • Learner will be helped to understand about getting knowledge about the types of data; classification of data collection, how to process the data, analysis of the data and interpretation of the data in accounting and finance. • Learner will be able to create a sense of way how to write report, interpretation and submission of data/ project in accounting and finance.
9	Management Accounting (Introduction to Management Accounting)	<ul style="list-style-type: none"> • To demonstrate the computation of cash flows arising from operating, investing and financing activities. • To identify the mechanisms available to evaluate and analyze the income statement and balance sheet with the help of comparative and common sized analysis, trend analysis and ratio analysis . • To demonstrate the estimation methodology of working S.Y. BAF capital of business entity.
10	Business Law (Business Regulatory Framework)	<ul style="list-style-type: none"> • To provide exposure to the students about Business Law. • To provide them with the fundamental knowledge of the use of Law. • To understand the various concepts & Acts governing the Indian Judiciary Systems
11	Financial Accounting (Special Accounting Areas) IV	<ul style="list-style-type: none"> • Able to gain knowledge about preparation of final accounts of companies. • Able to understand the accounting effect of redemption of preference share and debentures.



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COURSE

OUTCOME

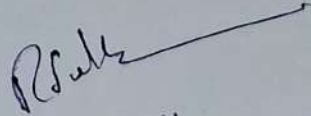
1	Cost Accounting III	<ul style="list-style-type: none"> • Able to understand students the concepts like uniform costing, operating costing, process costing which costing at each level and activity-based costing system.
2	Financial Management II	<ul style="list-style-type: none"> • Student will be able to understand with practical implementation the topics like capital budgeting with risk planning & analysis, decisions on dividend, valuation of mutual fund and bonds
3	Taxation IV (Indirect Taxes –II)	<ul style="list-style-type: none"> • Enables learners to acquire the knowledge of Goods and Services. • Explores the process of Registration, place and value of supply and computation of tax liability.
4	Management II (Management Applications)	<ul style="list-style-type: none"> • Student understand to certain managerial skills with regards to marketing management, production management, human resource management, financial management.
5	Financial Accounting V	<ul style="list-style-type: none"> • Able to understand practical concept with regards to company like underwriting of shares & debentures, buy-back of shares, amalgamation, absorption, internal & external reconstruction and Liquidation of companies..
6	Financial Accounting VI	<ul style="list-style-type: none"> • Student will understand finalization of accounts of Banking Company, Insurance Company, Non- Banking Financial Company, Valuation of goodwill and shares also the new concept accounting for limited liability partnership.
7	Cost Accounting IV	<ul style="list-style-type: none"> • Student will understand important concepts like Absorption costing, marginal costing, standard costing, budgetary control and variance analysis.
8	Financial management III	<ul style="list-style-type: none"> • Student will understand the topics like mergers & acquisition, business valuation, corporate restructuring, takeovers, hire purchase & lease financing etc.




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9	Taxation V (Indirect Taxes III)	<ul style="list-style-type: none"> • Enables learners to acquire the knowledge of Goods and Services. • Explores the process of Registration, place and value of supply and computation of tax liability.
10	Economics Paper III (Indian Economy)	<ul style="list-style-type: none"> • Student will understand concepts like agricultural sector, industrial sector, service sector and external sector etc.
11	Financial Accounting VII	<ul style="list-style-type: none"> • Student will understand the finalization of accounts for Electricity Company, co- operative society. • This will also basic knowledge with regards to IFRS and Indian Accounting Standards.
12	Project Work II	<ul style="list-style-type: none"> • Students will understand project work by Research Methodology.




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Department of Management Studies (BMS)

Programme outcome:-

The main aim of BMS course is to impart management skills and knowledge among students. To impart this knowledge, the academic program utilizes both classroom lectures and practical training. Businesses and Organizations across the world need skilled managers to take care of their daily operations. Managers are the ones who coordinate and manage the following things – human resources, finance, operations, decision-making, material resources, marketing etc.

Program specific outcome:-

1. Acquire knowledge about management practices which facilitate them to become effective professionals.
2. Be capable to pursue higher studies in diverse fields of Management such as Business Administration, Human Resource Management, Marketing and Finance.
3. Be adequately trained to be entrepreneurs and communicate effectively.
4. Develop a positive attitude towards lifelong learning and research.
5. Acquire the required skills to develop business models and be responsible global citizens with cross-cultural competent behavior and ethical values.

FYBMS		
SR. NO.	COURSE	OUTCOME
1	Introduction to Financial Accounts	<ul style="list-style-type: none"> To introduce the basic theory, concepts and practice of financial accounting and to enable students to understand information contained in the published financial statements of companies and other organizations.
2	Business Law & Industrial Law	<ul style="list-style-type: none"> Demonstrate an understanding of the Legal Environment of Business. Apply basic legal knowledge to business transactions. Communicate effectively using standard business and legal terminology.
3	Foundation of Human Skills	<p>To get knowledge about:</p> <ul style="list-style-type: none"> Human beings, their personalities, environment, organizational power, politics, change and how to deal with them. Generating the team and team building as well as team work Leadership qualities and motivating factors



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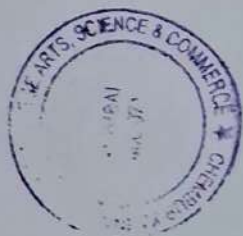
4	Business Statistics	To get knowledge about: <ul style="list-style-type: none"> • The ability to interpret statistical analysis tools commonly used in the workplace; • The ability to critically evaluate a standard business report including the graphics, probability statements and resultant commentary; and, • Use of Excel for basic data manipulation and simple statistical and graphical analysis
5	Foundation Course-I & II	To get knowledge about: <ul style="list-style-type: none"> • Nature of Indian Society • The gender inequality in society • Diversity As difference and disparity as inequality. • Philosophy of the constitution of India.
6	Business Economics-I	<ul style="list-style-type: none"> • Apply the concept of opportunity cost • Employ marginal analysis for decision making • Analyze operations of markets under varying competitive conditions • Analyze causes and consequences of unemployment, inflation and economic growth.
7	Business Communication- I & II	Students are expected to be able to demonstrate a good understanding of: <ul style="list-style-type: none"> • effective business writing • effective business communications • research approaches and information collection • developing and delivering effective presentations • effective interpersonal communications
8	Principles of Marketing	To acquire skills like: <ul style="list-style-type: none"> • To Acquire skills necessary to become successful marketing managers. • To use marketing information and research to develop marketing strategies for managing the organization effectively and efficiently • To provide effective solutions to satisfy and delight customers' needs
9	Business Environment	<ul style="list-style-type: none"> • To analyze the environment of a business from the legal & regulatory, cultural, political, technological and natural perspectives. • To conduct an in-depth analysis of a specific component of the business environment and relate it to their organization. • To identify the main features of the international business environment and its main institutions



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10	Principles of Management	<p>It helps the students to</p> <ul style="list-style-type: none"> • To manage the Organization effectively and efficiently • To handle any situation in the organization successfully under different environmental situation • To understand and apply the process of management's four functions: planning, organizing, leading, and controlling.
SYBMS		
Sr. No.	COURSE	OUTCOME
1	Business Planning & Entrepreneurial Management	<ul style="list-style-type: none"> • Students will be able to define, identify and/or apply the principles of entrepreneurial and family business. • Students will be able to define, identify and/or apply the principles of viability of businesses, new business proposals, and opportunities within existing businesses. • Students will be able to define, identify and/or apply the principles of entrepreneurial management and growth through strategic plans, consulting projects and/or implementing their own businesses.
2	Information Technology in Business Management-I & II	<ul style="list-style-type: none"> • Design, document and develop robust, extensible and highly maintainable data-intensive applications using cutting edge technologies tailored to the specific needs of any business scenario. • Explain and apply the core aspects of information technology principles and tools, and manage their implementation in a business context
3	Accounting for Managerial Decisions	<ul style="list-style-type: none"> • Understand the utility of Ratio Analysis, Financial Statements and Cash Flow Analysis in any organization. • Comprehend different contemporary issues in Management Accounting and Reports & Reporting needs & Reporting Levels in an organization.
4	Strategic Management	<ul style="list-style-type: none"> • Identify the forces impacting on corporate and business strategies. • Critically aware of factors involved in strategy making. • Assess the resources and constraints for strategy making in a business context.
5	Foundation Course-III & IV	<ul style="list-style-type: none"> • Students should be able to identify, analyze, interpret and describe the critical ideas, values, and themes that appear in literary and cultural texts and understand the way these ideas, values, and themes inform and impact culture and society, both now and in the past. • Students should be able to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.




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6	Basics of Financial Services	<ul style="list-style-type: none"> To understand the various concepts of financial services To make proper decision related to financial investments
7	Introduction to Cost Accounting	<ul style="list-style-type: none"> To apply the basic concept of cost and its application in financial statements. To enable the students to apply fundamental cost accounting methods, processes, and calculations for the purposes of planning. To enable the students to evaluate the different strategies to arrive at the optimal cost for the purpose of decision making
8	Business Research Methods	<ul style="list-style-type: none"> To enable the ability to think critically, research, and reason oriented in the business organization. To apply appropriate research design and methods to solve business problems. To develop skills in qualitative and quantitative data analysis and presentation
9	Business Economics II	<ul style="list-style-type: none"> To analyze the industry structure and firm-level conduct to develop profit maximizing pricing and production strategies To identify the causes of prosperity, growth, and economic change over time and explain the mechanisms through which these causes operate in the economy. To define monetary policy and differentiate it from fiscal policy.
10	Production & Total Quality Management	<ul style="list-style-type: none"> To acquaint the students with the implementation and the principles of TQM in manufacturing and service-based organization for continuous quality improvement To apply the PDCA cycles to various organization process To understand and apply various quality improvement techniques
11	Strategic Cost Management	<ul style="list-style-type: none"> It helps to develop skills of analysis, evaluation and synthesis in cost and management accounting. It helps to get familiarized with new strategies for cost management. To understand various decision-making and controlling operations techniques by managing cost. To analyze new ways and methods for cost control and cost management.
12	Auditing	<ul style="list-style-type: none"> To apply auditing knowledge and undertake auditing processes in a variety of professional settings. To explain the meaning of concepts that are fundamental to auditing To design an audit plan



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TYBMS


COURSE		OUTCOME
1	Logistics and Supply Chain Management	<ul style="list-style-type: none"> Students are able to describe major logistics functions and activities. Differentiate logistics and supply chain management. Describe alternative ways to organize for supply chain management. Describe methods of inventory planning. Technological changes and its impact on logistics and supply chain management. Compare modes of transportation and related policies. Outline computer and supply chain security measures.
2	Corporate Communication & PR	<ul style="list-style-type: none"> Understand of the concepts of corporate communication and public relations. Introduce the various elements of corporate communication and consider their roles in managing organizations. Examine how various elements of corporate communication must be coordinated to communicate effectively. Develop critical understanding of the different practices associated with corporate communication.
3	Sales and Distribution Management	<ul style="list-style-type: none"> Develop understanding of the sales & distribution processes in organizations. Get familiarized with concepts, approaches and the practical aspects of the key decision. Making variables in sales management and distribution channel management.
4	Customer Relationship Management	<ul style="list-style-type: none"> Learner understood concept of Customer Relationship Management (CRM) and implementation of Customer Relationship Management. Students get insight into CRM marketing initiatives, customer service and designing CRM strategy. Learner understood new trends in CRM, challenges and opportunities for organizations.
5	Service Marketing	<ul style="list-style-type: none"> Understand distinctive features of services and key elements in services marketing. Provide insight into ways to improve service quality and productivity. Understand marketing of different services in Indian context. E-Commerce and Digital Marketing.
6	E – Commerce & Digital Marketing	<ul style="list-style-type: none"> To understand the E-Commerce, Myths and Impact of E-Commerce and Trends of E-Commerce in various sectors Get familiarized with concepts, Models and the applications of E-Business. Provide insight about Issues relating to Privacy and security in E-Business, Different payment systems and E-Commerce law



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		<ul style="list-style-type: none"> To explain the different currencies with Indian rupee calculations of various countries of the world.
13	Commodity & Derivative Market	<ul style="list-style-type: none"> To understand the various concepts of commodity and derivative market. To develop analyzing skill to do investment in commodity and derivative market.
14	Direct Taxes	<ul style="list-style-type: none"> To demonstrate knowledge of the concepts, principles and rules of taxation of individuals. To demonstrate the calculation of taxable income and tax payable income. To apply critical thinking for identifying and addressing various issues in taxation.
15	Investment Analysis & Portfolio Management	<ul style="list-style-type: none"> To apply appropriate techniques for valuation and management of fixed income and equity investments To measure and interpret the performance of portfolios. To describe the steps of the portfolio management process.
16	Financial Accounting	<ul style="list-style-type: none"> To understand the final accounts of companies. To familiarize provisions relating to underwriting of shares and debentures. To demonstrate accounting of foreign currency and investments. To identify the need of ethical behavior in accountancy and its practical applicability.




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Department of BSc.IT (Information and Technology)

Programme outcome:-

On successful completion of this program the student will be able to:

1. Identify information technology related problems, analyze them and design the system or provide solution to the problem.
2. Apply current technical concepts and practices in the core information technologies of human computer interaction, information management, programming, networking and web systems and technologies.
3. Use the system Analysis Design Paradigm to critically analyze a problem.

FYBSC.IT	
COURSE	OUTCOME
1 Object Oriented Programming with C++	<ul style="list-style-type: none"> • The course is to learn basic program in c++. • How constructs loops in c++ is used and declared. • To declares object and classes and learn How class declaration and definition is done. • How to print output in the screen using c++. • To develop relational logic operations in c++.
2 Fundamentals of Micro Processor & Micro Controllers	<ul style="list-style-type: none"> • The course is to learn the format of microprocessor chips. • The tutorials will help to understand the working of chips which are used in modern lifestyle. • It will improve the hardware knowledge. • We can learn different types of microprocessors. • To enable to implement machine chips for seven segment display etc.
3 Web Application Development	<ul style="list-style-type: none"> • To learn HTML and different tags in HTML. • Learning Css, javascript, PHP. • To develop the ability to logically plan and develop web pages. • Adding dynamic content to web pages using javascript and PHP. • To learn to write, test, and debug web pages using HTML,JavaScript& PHP.]



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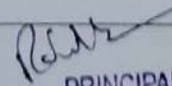
4	Numerical Methods	<ul style="list-style-type: none"> Derive numerical methods for various mathematical operations and tasks, such as interpolation, differentiation, integration. The solution of linear and nonlinear equations, and the solution of differential equations. Analyse and evaluate the accuracy of common numerical methods. Apply numerical methods to obtain approximate solutions to mathematical problems. Implement numerical methods in Matlab.
5	Green IT	<ul style="list-style-type: none"> Understanding Green Computing Initiatives and Standards. To Use new career opportunities available in IT profession, audits and others with special skills such as energy efficiency, ethical IT assets disposal, carbon footprint estimation, reporting and development of green products, applications and services. Describe awareness among stakeholders and promote green agenda and green initiatives in their working environments leading to green movement. To understand what Green IT is and How it can help improve environmental Sustainability. Describe awareness among stakeholders and promote green agenda and green initiatives in their working environments leading to green movement.
6	Principle Program with C (PPC)	<ul style="list-style-type: none"> To understand programming languages and problem solving techniques. To develop programming skills using the fundamentals and basics of C++ Language. To effectively use arrays, structures, functions, pointers and File handling. To develop logics to help them in creating programs and applications in C++. Problem solving using standard programming techniques and Turbo C compiler.
7.	Digital Logistic & Application (DLA)	<ul style="list-style-type: none"> The course is to learn the digital format of data and codes. The tutorials will help to understand Number Systems, Numeric codes, Logic Gates etc. It will improve the hardware knowledge. We can learn building and fault-finding a range of digital electronic circuit. To enable to implement synchronous state machines using flip-flops.
8.	Database Management System (DBMS)	<ul style="list-style-type: none"> Design conceptual models of a database using ER modeling for real life applications. Build indexing mechanism for efficient retrieval of information from a database. Retrieve any type of information from a database by formulating complex queries in SQL. Explain the features of Database management system and



		Relational database. <ul style="list-style-type: none"> • Create and populate a RDBMS for a real life applications, with constraints & Keys.
9	Computational Logic & Discrete Structure (CLDS)	<ul style="list-style-type: none"> • Perform logical proofs. • Apply recursive functions and solve recurrence relations. • Determine equivalent logic expressions. • Describe useful standard library functions, create functions, and declare parameters. • Apply basic and advanced principles of counting.
10	Professional Communication skills (PCS)	<ul style="list-style-type: none"> • To Apply Verbal and Non-Verbal Communication Techniques in the Professional Environment. • To understand the different aspects of communication using the four macro skills – LSRW. • To emphasize the essential aspects of effective written communication necessary for professional success. • Designed to develop the skills of the students in preparing job search artifacts and negotiating their use in GDs and interviews. • To enable the students to adopt strategies for effective reading and writing skills.

SYBSC.IT		
COURSE		OUTCOME
1	Python Programming	<ul style="list-style-type: none"> • To acquire Object Oriented Skills in Python. • To develop the skill of designing Graphical User Interfaces in Python. • To learn how to use lists, tuples, and dictionaries in Python programs. • To learn how to design and program Python applications. • To learn how to read and write files in Python.
2	Data Structure	<ul style="list-style-type: none"> • To analyse algorithm comparing them with time complexity and memory storage. • To summarize searching Algorithm and different types of searching Algorithm. • To learn how to use sorting techniques. • Develop ability to describe stack, queue and linked list operation. • To have ability knowledge of graphs concept.




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3	Computer Networks	<ul style="list-style-type: none"> Students will able to: Gain Core knowledge of Network layer routing protocols and IP Addressing. Acquire knowledge of Application layer and Presentation layer paradigms & protocols. Describe the functions Data Link layer. Classify the routing protocols and analyze how to assign the IP addresses for the given network. Describe the functions of each layer in OSI and TCP/IP model.
4	Operating Systems	<ul style="list-style-type: none"> Aware of the importance and working of Operating system. Able to use different scheduling algorithms and understand memory management systems. Differentiate between various file systems of Windows and Unix Have basic understanding about virtualization and its concepts.
5	Applied Mathematics	<ul style="list-style-type: none"> Provides understanding to work with matrices and performing various transformations on matrices. Introduction to perform basic algebraic manipulation with complex numbers. Describes basic definitions and terminology with differential equations and their solutions. Solving linear differential equations with constant coefficients and unit step functions using Laplace Transform. Understanding computation of double and triple integrals. Using Beta and Gamma functions and error functions.
6.	Core Java	<ul style="list-style-type: none"> Define array in java and uses them. To learn how to declares object and classes. How to uses object and classes using java language. To improve codes basic programs in java programming. To learn and understand the oops concepts using java.
7.	Introduction to Embedded System	<ul style="list-style-type: none"> Differentiate between general purpose and embedded systems Know the characteristics and quality attributes of embedded systems Learn 8051 programming concepts to implement in hardware Study design and development of embedded systems
8	Computer Oriented Statistical Techniques	<ul style="list-style-type: none"> To Learn techniques to calculate the measures of central tendency and different measures of dispersion. Enable learner to apply the concepts of probability and distributions to some case studies. Enable learners to correlate the material of one unit to the material in other units. To gain insight into consequences of plan by probability techniques and processing samples.

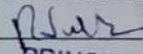


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		<ul style="list-style-type: none"> To learn techniques to correlate the relationship between various variables
9	Software Engineering	<ul style="list-style-type: none"> Basic knowledge and understanding of the analysis and design of complex systems. Ability to apply software engineering principles and techniques. Demonstrates agility in solving software and system challenges with a comprehensive set of skills. To provide the idea of decomposing the given problem into Analysis, Design, Implementation, Testing and Maintenance phases. Apply new software models, techniques and technologies.
10	Computer Graphics and Animation	<ul style="list-style-type: none"> To design an application with the principles of virtual reality. To understand a typical graphics pipeline. To define the fundamentals of animation & its related technologies. To describe the importance of viewing and projections. To implement various algorithms to scan, convert the basic geometrical primitives.

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COURSE		OUTCOME
1	Software Project Management	<ul style="list-style-type: none"> To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Define various software application domains and remember different process model used in software development. To understand concepts and principles of software design and user-centric approach and principles of effective user interfaces. To understand need of project management and project management life cycle. To Justify role of SDLC in Software Project Development and they can evaluate importance of Software Engineering in PLC.
2	Internet of Things	<ul style="list-style-type: none"> Exploring interconnection and integration of the physical world and the cyber space. To design & develop IoT Devices. Able to understand building blocks of Internet of Things and characteristics.




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		<ul style="list-style-type: none"> • Different Protocols used in IoT. • To identify different technologies.
3	Advanced Web Programming	<ul style="list-style-type: none"> • To understand how Microsoft framework architecture is designed. • To design and develop console application. • How to use oops concepts using c# .net. • To design and create a web application using .net. • To learn how to access data from database.
4	Artificial Intelligence	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Apply concept Natural Language processing to problems leading to understanding of cognitive computing. • Formulate and solve problems with uncertain information using Bayesian approaches. • Develop intelligent algorithms for constraint satisfaction problems and also design intelligent systems for Game Playing. • Analyze and formalize the problem as a state space, graph, design heuristics and select amongst different search or game based techniques to solve them. • Attain the capability to represent various real life problem domains using logic based techniques and use this to perform inference or planning.
5	Next Generation Technologies	<ul style="list-style-type: none"> • To get to know information related to Big Data, NoSQL and MongoDB • To understand the MongoDB architecture, data model and process of using MongoDB shell • To learn in detail about MongoDB storage engine, use cases, practices and limitations • To study jQuery, SSD and in-memory databases • To obtain data about JSON and its functions
6	Software Quality Assurance	<ul style="list-style-type: none"> • To investigate the reason for bugs and analyze the principles in software testing to prevent and remove bugs. • To Implement various test processes for quality improvement. • To Design test planning. • To apply the software testing techniques in commercial environment. • To Use practical knowledge of a variety of ways to test software and an understanding of some of the tradeoffs between testing techniques.
7.	Security in Computing	<ul style="list-style-type: none"> • To identify information security goals, classical encryption techniques and acquire fundamental knowledge on the concepts of finite fields and number theory. • Understand, compare and apply different encryption and decryption techniques to solve problems related to



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		<p>confidentiality and authentication.</p> <ul style="list-style-type: none"> • Apply the knowledge of cryptographic checksums and evaluate the performance of different message digest algorithms for verifying the integrity of varying message sizes. • Apply different digital signature algorithms to achieve authentication and create secure applications. • Apply the knowledge of cryptographic utilities and authentication mechanisms to design secure applications.
8.	Business Intelligence	<ul style="list-style-type: none"> • Organize and Prepare the data needed for data mining using preprocessing techniques. • Perform exploratory analysis of the data to be used for mining. • To Implement the appropriate data mining methods like classification, clustering on large data sets. • Define and apply metrics to measure the performance of various data mining algorithms. • To impart knowledge of tools used for data mining.
9	Principles of Geographic Information Systems	<ul style="list-style-type: none"> • To describe the principles of gis. • Introduce well known gis analytical tools. • To explain raster datastructures and concepts. • Explain the principles of geospatial data input. • How to produce effective maps and reports based on output of gis processes.
10	Cyber Laws	<ul style="list-style-type: none"> • Understand, explore, and acquire a critical understanding of Cyber Law. • Develop competencies for dealing with frauds and deceptions (Confidence Tricks, Scams) and other cybercrimes. • Understand the relationship between Commerce and Cyberspace • Understand Information Technology Act and legal framework of right to privacy, data security and data protection



Principle

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Department of Arts

Program Outcomes – BA Economics

1. **Critical Thinking:** Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
2. **Effective Communication:** Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
3. **Social Interaction:** Elicit views of others, mediate disagreements and help reach conclusions in group settings.
4. **Effective Citizenship:** Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
5. **Ethics:** Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
6. **Environment and Sustainability:** Understand the issues of environmental contexts and sustainable development.
7. **Self-directed and Life-long Learning:** Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.

Program Specific Outcomes – BA Economics

1. **Knowledge of Economic System:** An ability to understand economic theories and functioning of basic microeconomic and macroeconomic systems.
2. **Statistical and Mathematical Skills:** Acquaint with collection, organization, tabulation and analysis of empirical data. Ability to use basic mathematical and statistical tools to solve real economic problems.
3. **Econometric Applications:** Acquaint with basic and applied econometric tools and methods used in economics. The aim of this course is to provide a foundation in applied econometric analysis and develop skills required for empirical research in economics. It also covers statistical concepts of hypothesis testing, estimation and diagnostic testing of simple and multiple regression models.



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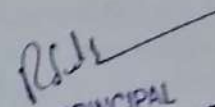
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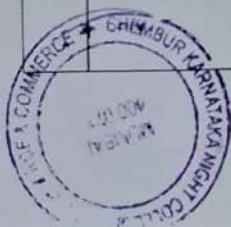
4. **Development Perspectives:** Delineate the developmental policies designed for developed and developing economies. The course also acquaint with the measurement of development with the help of theories along with the conceptual issues of poverty and inequalities.
5. **Environmental Strategy and Management:** This course emphasises on environmental problems emerging from economic development. Economic principles are applied to valuation of environmental quality, quantification of environmental damages, tools for evaluation of environmental projects such as cost-benefit analysis and environmental impact assessments.
6. **Perspectives on Indian Economy:** Acquaint with basic issues of Indian economy and learn the basic concept of monetary analysis and financial marketing in Indian financial markets. This course reviews major trends in economic indicators and policy debates in India in the post-Independence period.

FYBA		
	COURSE	OUTCOME
1	Communication in English I	<ul style="list-style-type: none"> • Development of the skills of listening, reading and writing. • The ability to undertake other day-to-day personal and professional transactions using English as the medium of communication. • An increase in the proficiency/command over the English language. • The acquiring and sharpening of language skills. • Knowledge of grammatical units.
2	Hindi I	<ul style="list-style-type: none"> • To able to understand 'Mahabharata Ki Ek Saanj' by Bharatbhushan Agrawal • To able to understand the essay by Kuber Nath Roy. • To able to understand the stories by Kamaleshwar and Udayprakash. • To able to understand the stories by Sudha Arora and Yashpal
3	Foundation Course I & II	<ul style="list-style-type: none"> • It helps the students to upgrade their knowledge on current challenges and issues of Indian society. • To develop awareness regarding Indian Constitution & Political processes. • To impart the knowledge of Ethical & Cultural values in Indian Society.




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4	Economics I	<ul style="list-style-type: none"> • Learners can be aware about basic principles of microeconomic theory • Learners will understand the concepts and importance of Opportunity Cost, Incentives Exchange Inflation and Unemployment Trade Off. • Students can apply the demand and supply function in business decisions. • Students can understand the importance of maximum satisfaction.
5	Foundation Sociology I	<p>The students will be able to</p> <ul style="list-style-type: none"> • Define varied fundamental concepts in Sociology – society, social institutions, social groups, and culture. Describe social phenomena of social order, socialisation, and social control. Identify the interrelationship between Sociology and other Social Sciences • Differentiate between the nuances of social units – associations, organisations, institutions, and forms of groups. Explain the prominent theoretical social perspectives. Discuss about the scientific and humanistic orientation of Sociology • Interpret basic concepts in daily social occurrences. Apply sociological imagination to social interactions. • Analyse the relationship between basic social concepts. Distinguish between forms and functions of social groups, social institutions, and attitudes towards culture. • Compare and contrast how current events, social movements may be analysed through the different sociological perspectives. • Write about one's life from a social perspective including how diverse social phenomena have shaped one's life and views.
6	General Psychology I & II	<ul style="list-style-type: none"> • Develop a working knowledge of Psychological contents, areas and applications of psychology. • Develop a base in cognitive psychology with the help of relevant examples of everyday life. • Comprehend and analyse situations in real life appropriately and enable others to exercise in the same way. • Appreciate and apply various theories of learning in the practical world. • Identify the importance of experiments in the field of memory and other cognitive aspects and analyse the way it shaped cognitive psychology\
7.	Communication in English II	<ul style="list-style-type: none"> • Familiarity with the Writing process. • Familiarity with the conventions of Academic Writing. • Mastering the skills of Summarizing and Paraphrasing. • The ability of thinking critically, synthesizing , analyzing and evaluating. • Interpreting details and expressing ideas coherently. • Acquiring accuracy in different kinds of writing – descriptive, narrative, expository, argumentative and persuasive. • The ability of editing books and media reviews. • Writing any kind of compositions like diary writing, dialogue,



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		<p>and interviews and summarizing.</p> <ul style="list-style-type: none"> • Narrating incidents, real and imaginary with descriptive details and in sequence. • Condensing ideas where brevity is of essence. • The ability to interpret simple technical data.
8.	Hindi II	<ul style="list-style-type: none"> • To able to understand the essay by Addhyapak Purnasingh. • To able to understand the one act play by Jagadishchandra Mathur • To able to understand novel by Bhagwaticharan Varma. • To able to understand the characters in Chitralkha Novel
9	Economics II	<ul style="list-style-type: none"> • Learners can be aware about production function and production theories. • Students can understand the various cost and revenue concepts. • The students can understand the different theories of factor pricing, rent, wages, interest, profit. • Learners can be aware about different market structures and their equilibrium conditions for price output determination.
10	Foundation Sociology II	<ul style="list-style-type: none"> • Define social inequality, stratification, social institutions and social change. State the functions of social institutions and describe examples of social movements. • Differentiate between inequality and forms of stratification. Explain the forms of social change. Discuss how social institutions have evolved over time. • Infer how social stratification impacts personal position and social dynamics with relation to social mobility. • Analyse current and past social movements by focusing on their genesis, evolution and type. • Critique the role of social institutions. Assess how sociology can add to diverse career opportunities. • Hypothesize about evolution of social movements.

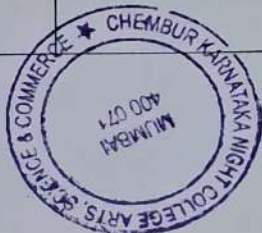
SYBA		
COURSE		OUTCOME
1	Foundation course III & IV	<ul style="list-style-type: none"> • Discuss and communicate the management evolution and how it will affect future managers. • Provides a deeper outlook of various functions of managing the organization. • Evaluate leadership styles to anticipate the consequences of each leadership style.

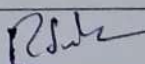


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2	Advertising I & II	<ul style="list-style-type: none"> Learners will understand the impulse of consumers to create demand by developing advertising & marketing Strategies. To establish link between Business and marketing.
3	Economics II (Macro Economics)	<ul style="list-style-type: none"> The students can understand the trade balance and implications for GDP calculation, export and import functions Learners can aware about IS/LM/UIP model fiscal and monetary policy under fixed and flexible exchange rates. Learners can grasp the knowledge about different types of exchange rate systems and exchange rate crises Learners can acquaint knowledge about the gold standard and Bretton Wood systems and their collaps.
4	Economics III (Public Finance)	<ul style="list-style-type: none"> Learners can aware about sources of monopoly and various aspects of monopoly market. Students can understand basics of game theory Learners can introduce with different oligopoly models, and forms of price leadership Students can acquaint the knowledge of General equilibrium and Pareto optimality conditions of social welfare.
5	Foundation Sociology II	<ul style="list-style-type: none"> Describe the characteristics of Indian democracy. Outline the trends of economic development in India. Discuss the landmarks and their impact on development of India. Explain the features of Urban, Rural and Tribal sections of Indian Outline the features of land reform and green revolution. Analyse the impact of liberalisation on agrarian, urban and tribal life in India. Identify the changing trends in agriculture, urban and tribal societies. Assess the impact of land reforms, green revolution and globalisation Express how globalisation has affected the life of their family and community.
6	Foundation Sociology III	<ul style="list-style-type: none"> Describe the socio-political events that led to emergence of Sociology as an academic discipline. Outline the basic tenets of the three major Theoretical schools in Sociology. Match the theoretical concepts to the respective Sociologists and Schools. Explain the theories of Marx, Weber and Durkheim. Apply basic sociological theories and concepts therein to understanding of real-world scenarios. Analyse the interrelationship between social theories and perspectives and how they have evolved. Distinguish between the theoretical perspectives of Durkheim, Marx and Weber. Assess the relevance and utility of theories by Comte, Marx, Weber and Durkheim in contemporary times. Integrate the theoretical understanding with practical examples.





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7.	General Psychology II	<ul style="list-style-type: none"> In this core course students develop an understanding of the individual in relation to the Social world, the core course also introduces students to the realm of social influence as to how individuals think feel and behave in social situations.
8.	General Psychology III	<ul style="list-style-type: none"> This paper helps to equip the learner with an understanding of the concept and process of human Development across the lifespan. It imparts an understanding of the various domains of human Development like moral development, social development, language development, cognitive development etc. The students will learn to develop sensitivity to social cultural context of human development.

TYBA

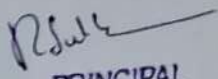
COURSE		OUTCOME
1	Advanced Micro Economics III	<ul style="list-style-type: none"> Learners can be aware about sources of monopoly and various aspects of the monopoly market. Students can understand basics of game theory Learners can introduce different oligopoly models, and forms of price leadership. Students can acquaint the knowledge of General equilibrium and Pareto optimality conditions of social welfare.
2	Economics of Growth and Development	<ul style="list-style-type: none"> Learners can be aware about concepts of human development. HDI, GDI, Sustainable development and Green GDP Students can understand the role of education, health & nutrition in economic development Learners can introduce with different types of measures of poverty and inequality Students can acquaint the knowledge of Intermediate/ Appropriate technology, Green technology and Infrastructure
3	Economics of Agriculture & Co-operation I & II	<ul style="list-style-type: none"> Learners can be aware about the role of agriculture in the economic development of a country, cropping pattern and productivity in the agriculture sector. Students can understand the institutional and non institutional sources of agricultural credit. Learners can introduce different types of agricultural marketing and WTO and Indian agriculture. Students can acquaint the knowledge of New Agricultural Policy-2007, price policy of Commission for Agricultural Costs and Prices (CACP)




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4	Entrepreneurship & Small Scale Industries	<ul style="list-style-type: none"> To provide the basic understanding of the various concepts related to setting up of a small business and management To provide the basic understanding of the Institutional support system available to MSMEs and their functioning. To familiarize students with the different policies applicable to MSMEs and their implications on MSMEs.
5	Environmental Economics I & II	<ul style="list-style-type: none"> Learners can be aware about environmental economics and Rio declaration on environmental development. Students can understand criteria for evaluating environmental policies and implementation of environmental policy. Learners can introduce the economic value of the environment and different methods of environmental valuation. Students can acquire knowledge about global environmental problems and the concept of sustainable development.
6	International Banking and Finance I & II	<ul style="list-style-type: none"> The course helps students to understand various aspects of international finance & Capital Market The course offers knowledge on Foreign Exchange Market, Risk Management and International Banking Operations
7.	Advanced Macro Economics III	<ul style="list-style-type: none"> The students can understand the trade balance and implications for GDP calculation, export and import functions Learners can aware about IS/LM/UIP model fiscal and monetary policy under fixed and flexible exchange rates. Learners can grasp the knowledge about different types of exchange rate systems and exchange rate crises Learners can acquaint knowledge about the gold standard and Bretton Wood systems and their collaps.
8.	International Economics	<ul style="list-style-type: none"> The students can understand the different theories of international trade Learners can aware about modern theories and reciprocal demand and offer curves, Learners can grasp the knowledge about FDI Inflows- FDI Outflows, and the global supply chain, Business Process Outsourcing. Learners can understand the importance role of FDI and MNCs in Economic Development
9	Rural development	<ul style="list-style-type: none"> After completing the course, a student will have the ability to acquire substantial knowledge of rural development experiments in India and as well as in different countries, specially low income countries.




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