

**S.I.E.S (Nerul) College of Arts, Science and Commerce**

**NAAC Re-Accredited A Grade (2<sup>nd</sup> Cycle)**

**INTERNAL QUALITY ASSURANCE CELL**

**PROGRAM OUTCOME, PROGRAMME SPECIFIC OUTCOME & COURSE  
OUTCOME (UNDERGRADUATE COURSES)**

**Programme Outcome:**

- On completion of three years of Bachelor of Commerce (B.COM), the students will develop a strong foundation in the fundamentals of commerce and finance.
- The program enables the students to develop the skills of applying concepts and techniques of commerce in a business environment.
- The program provides the students with the knowledge of different specializations relevant to Commerce and Trade sector and leads to comprehensive understanding of the business processes and its dynamics.

**Programme Specific Outcome:**

- The three year course helps students to achieve proficiency in different areas of business, economics, accounting, commerce, finance, auditing and marketing.
- The program helps the students to acquire analytical skills, communication skills, decision making and problem solving skills that are relevant in day to day business operations.
- The program helps to transform students into qualified and employable professionals in different areas of Global Business and Economy.
- Students will be able to do higher education and advance research in the field of commerce and finance.

**F.Y.B.COM Semester-1**

<b>Subject</b>	<b>Outcome</b>
Commerce I - Introduction to Business	1) The learners will acquire the knowledge about the various dimensions of business. 2) The learners would gain intrinsic and extrinsic in-sight of various business operations.
Business Communication-1	1) The student will understand and learn to use communication in Business in an effective manner in all forms - verbal and non-verbal. 2) The student will gain confidence in conducting himself as a professional in work environment with understanding of soft skills, business etiquettes, and business ethics.

Mathematical & Statistical Techniques- I	<ol style="list-style-type: none"> <li>1) The course will enhance computing skill and understanding of investment market Mutual Funds and Shares.</li> <li>2) The student will learn to optimise the requirements and reduce uncertainty in decision process through LPP and Decision Theory.</li> </ol>
Accountancy and Financial Management I	<ol style="list-style-type: none"> <li>1) The students get knowledge of Accounting Standards, and gain command over the applications of the subject in accounting.</li> <li>2) The course will help to develop professional skills like inventory management, preparation of Financial Statements of a manufacturing sole trader, among students who can use their strong foundation of Accounts and Financial management for the benefit of themselves and the society.</li> </ol>
Foundation Course – I	<ol style="list-style-type: none"> <li>1) The course enables a student to understand the multicultural aspect of Indian society along with its challenges and limitations.</li> <li>2) The student becomes aware of the socio-political conditions of Indian society.</li> </ol>
Environmental Studies- I	<ol style="list-style-type: none"> <li>1) The Students would learn the basic understanding about concepts of ecology and environment.</li> <li>2) The subject enables a student to use acquired knowledge in environment pollution control, resource conservation and sustainable development</li> </ol>
Business Economics-I	<ol style="list-style-type: none"> <li>1) The learner would get an understanding to value resources and take decisions at individual and business levels.</li> <li>2) On completion of the course, he students will understand microeconomics concepts of demand, supply, production and costs structures under different stages of production.</li> </ol>

### F.Y.B.COM Semester-II

Subject	Outcome
Commerce II – Service Sector	<ol style="list-style-type: none"> <li>1) The subject will create awareness of various facets of service sector and its professional trajectory.</li> <li>2) The Learners would gain knowledge of recent trends in services sector.</li> </ol>
Business Communication-II	<ol style="list-style-type: none"> <li>1) The student acquires the soft skills to conduct himself in a professional manner in Group communication of different kinds.</li> <li>2) The student learns to communicate with the different set of public involved in any business through various forms of written correspondence pertaining to business.</li> </ol>
Mathematical & Statistical Techniques- II	<ol style="list-style-type: none"> <li>1) The students will study strength and weakness in relationship of variables correlation and to estimate</li> </ol>

	<p>future and past value of correlated variables regression is used.</p> <p>2) To enhance business performance Derivatives, Functions, Interest and Annuity are used along with Probability.</p>
Accountancy and Financial Management II	<p>1) The student understands the purpose of different accounting systems and also learns to apply them.</p> <p>2) The student will enables to determine profitability from special business transactions such as consignment and branch and develop skills of preparing financial statements from incomplete records.</p>
Foundation Course - II	<p>1) The students will become aware of how commercial and economic policy changes have an effect of Indian employment scenario and Indian business sector.</p> <p>2) The student will gain understanding of the importance of sustainable development.</p>
Environmental Studies II	<p>1) The students will get detailed knowledge about the different tools and technique of waste management and environmental management in field of commerce and trade.</p> <p>2) The acquired knowledge would be used for successful implementation of sustainable development policies for environmental conservation.</p>
Business Economics-II	<p>1) The learner will understand the pricing and output decision under various market structures.</p> <p>2) The learner will study about the different types of pricing of business firm under different market structure.</p>

### S.Y.B.COM Semester-III

Subject	Outcome
Foundation Course – Contemporary Issues-III	<p>1) A learner gets details knowledge about important rights reserved for Indian citizen and different minority groups in the nation.</p> <p>2) This course gives idea about different types, causes and remedial measures for environmental disaster management.</p>
Business Law -1	<p>1) The Students learn various aspects of Business law in this semester.</p> <p>2) The students get introduced to Indian contract Act. And other laws related to business such as The Sale of goods act, the Negotiable instruments act and special contracts.</p>
Accountancy and Financial Management III	<p>1) The students learn special accounting transactions related to partnership firms. Students became aware of different complicated business transactions which makes them capable of handling accounting of these</p>

	<p>complex accounting scenarios</p> <p>2) The students gain knowledge of preparation of Companies Balance Sheet as per provisions of Companies Act.</p>
Commerce-III Management functions & Challenges.	<p>1) The students will understand the concepts of management and its relevance to various functional areas of Business.</p> <p>2) The student will be able to understand the complexities associated with management of human resources in the organizations and amalgamate the learning in handling these intricacies.</p>
Business Economics-III	<p>1) On completion of the course, the students will gain knowledge of foundations of Macroeconomic theories.</p> <p>2) The students will gain knowledge of National income Inflation, Money supply and demand for money</p>
Company secretarial practice-I	<p>1) The Students acquire knowledge regarding the role of company secretary and its qualities, qualification, appointments, termination, role, duties and authority.</p> <p>2) The Students will become aware about company formation formalities, company documents relating compliance, Memorandum of association, clauses and alteration.</p>
Advertising I	<p>1) On completion of the course, students will demonstrate an understanding of the overall role advertising plays in the business world.</p> <p>2) The students will demonstrate the understanding of advertising strategies and budgets .</p>
Financial Accounting and Auditing - Introduction to Management Accounting-I	<p>1) The Students learn different techniques to analyse financial statements.</p> <p>2) The Students learn to estimate the requirement of working capital and evaluation technique for investing decision, these important skills of analysis, estimation and evaluation helps in development of sound financial decision making ability among the students.</p>
Computer Programming-I	<p>1) This course creates algorithms and flowcharts to solve simple programming problems.</p> <p>2) The subject enables students to describe and employ strategies that are useful in debugging.</p>

#### **S.Y.B.COM Semester-IV**

<b>Subject</b>	<b>Outcome</b>
Foundation Course - Contemporary Issues -IV	<p>1) The learner gets insight about consumer protection rights and it use for Indian citizen</p> <p>2) The subject enables students to understand different</p>

	approaches of Ecology and study principles of sustainable development for environmental conservation.
Business Law -II	<ol style="list-style-type: none"> <li>1) The Students acquire a detailed understanding about the legal framework of organizational structure, functioning, and other legal aspects of Joint Stock Company and Partnership Firm.</li> <li>2) The Students will become aware about the basic concepts of Mercantile Law, and legal framework governing contractual obligations of the business and its implementation in business management.</li> </ol>
Accountancy and Financial Management IV	<ol style="list-style-type: none"> <li>1) The Students get knowledge of capital structure of the company, how to raise the money by issuing shares / debentures as well as how to redeem the shares and debentures by following regulations of law.</li> <li>2) The Students will learn how to compute and record profit when an ongoing partnership firm evolve and convert into a company.</li> </ol>
Company secretarial practice-II	<ol style="list-style-type: none"> <li>1) The Students acquire knowledge regarding the role of company secretary towards company's statutory provisions and rules and regulations.</li> <li>2) The students become aware about management of companies, companies meeting, Dematerialization &amp; online trading.</li> </ol>
Commerce-IV Management, Production & Finance	<ol style="list-style-type: none"> <li>1) The learner will be able to evaluate and summarise the capacity of plant locations, plan and schedule production.</li> <li>2) Upon successful completion of financial management, the student will be able to understand the overall role and significance of the finance function and get an understanding of recent trends in finance.</li> </ol>
Advertising -II	<ol style="list-style-type: none"> <li>1) The course exposes the students to the trends in national and international advertising and equips them to be able to manage the media.etc.</li> <li>2) The Students will understand the concept of creativity with the knowledge of growing importance of creativity in Advertising.</li> </ol>
Financial Accounting and Auditing - Auditing	<ol style="list-style-type: none"> <li>1) The subject provides the opinion of an auditor about correctness and reliability of accounts and the financial position of the business concern to the learner.</li> <li>2) The subject helps students to understand the verification and vouching of different accounts in accounting and the importance of not indulging in any fraudulent system.</li> </ol>
Computer Programming-II	<ol style="list-style-type: none"> <li>1) The students will understand about the computer networks</li> <li>2) The students will be able to create forms and reports in MS Access.</li> </ol>

Business Economics-IV	<ol style="list-style-type: none"> <li>1) The students will understand the significance of public finance in economic decision making.</li> <li>2) The students will study different components of public finance like taxation, public expenditure, public debt and budget.</li> </ol>
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### T.Y.B.COM Semester-V

Subject	Outcome
Business Economics-V	<ol style="list-style-type: none"> <li>1) The students will gain knowledge about various aspects of Indian economy.</li> <li>2) The students will get acquainted with reforms undertaken by the Government of India in agriculture sector, Industrial sector, service sector and financial sector.</li> </ol>
Direct & Indirect Taxation - I	<ol style="list-style-type: none"> <li>1) The Students get a brief idea in respect of Income Tax applicable to individuals.</li> <li>2) The course inculcates elementary skill of computing taxable income of an individual by applying various provisions of Income Tax Act.</li> </ol>
Financial Accounting and Auditing VII- Financial Accounting	<ol style="list-style-type: none"> <li>1) The Students acquire knowledge in respect of Preparation of Financial Statements of company as per provisions of Companies Act and also learn accounting of special accounting transactions in respect of buy back of shares and Internal Reconstruction.</li> <li>2) This course not only develop subject knowledge by inculcating skill of preparing financial statement of the company and accounting of critical business transactions by applying relevant accounting standards, they also learn ethics to be adhered in the field of accountancy.</li> </ol>
Financial Accounting and Auditing VIII-Cost Accounting	<ol style="list-style-type: none"> <li>1) The students learn basic concepts of Cost accounting.</li> <li>2) The students learn the various skills useful as an entrepreneur, such as Inventory Management, Overhead Control, Preparation of Cost Sheet and it's reconciliation with Financial Records.</li> </ol>
Investment Analysis and Portfolio Management -I	<ol style="list-style-type: none"> <li>1) The course provides basic knowledge to students regarding various investment instruments, investment strategies, portfolio, return and risk associated with the investment.</li> <li>2) The course imparts knowledge of calculating returns and risk related to investment and develops decision making ability of the students.</li> </ol>
Commerce -V Marketing	<ol style="list-style-type: none"> <li>1) The student understands the place and contribution of marketing to the business enterprise.</li> <li>2) The objective of this course is to provide a sound understanding of the basic principles of marketing management and their applications in the business and industry.</li> </ol>

Export Marketing-I	<ol style="list-style-type: none"> <li>1) The Students acquire a detailed understanding about the export procedures under the Indian laws.</li> <li>2) The Students become aware about concepts of Export Marketing, Global framework for export marketing, India's foreign trade policy and Export incentives and assistance.</li> </ol>
Computer systems and applications-I	<ol style="list-style-type: none"> <li>1) The students will understand the basics of computer networks and different network devices and topology.</li> <li>2) Exploring the different Lookup functions, ideal add further functionality to a spreadsheet to reference particular data quickly and effectively.</li> </ol>

### T.Y.B.COM Semester-VI

Subject	Outcome
Business Economics-VI	<ol style="list-style-type: none"> <li>1) The students will learn the important trade theories in international economics.</li> <li>2) The students will study Balance of Payment and determination of exchange rate.</li> </ol>
Direct & Indirect Taxation - II	<ol style="list-style-type: none"> <li>1) The Students acquire basic knowledge of GST including its terminology and other several aspects.</li> <li>2) The subject focus on development of knowledge and skill in respect of various technical aspects of GST such as Registration under GST, Chargeability of GST, Computation of GST etc.</li> </ol>
Financial Accounting and Auditing IX- Financial Accounting	<ol style="list-style-type: none"> <li>1) The Students acquire knowledge and skill for accounting of complex business situations such as Amalgamation, Liquidation of company, underwriting of shares and foreign currency transactions by applying relevant accounting standards.</li> <li>2) The Students also learn and develop skill in respect of preparation of financial statements of Limited Liability Partnership by following regulations Limited Liability Partnership Act.</li> </ol>
Financial Accounting and Auditing IX-Cost Accounting	<ol style="list-style-type: none"> <li>1) It will keep the students conversant with the ever enlarging frontiers of cost accounting knowledge.</li> <li>2) The learner get analytical skills to provide knowledge about the ascertainment the profitability of each of the products and advise the management to maximize its profits.</li> </ol>
Investment Analysis and Portfolio Management -II	<ol style="list-style-type: none"> <li>1) The course focuses on development of knowledge in respect of Fundamental Analysis, Technical Analysis, Efficient Market theory and CAPM.</li> <li>2) This subject focuses on development of most important investors skill that is to identify a good investment opportunity and to decide whether to buy, to sell or to hold on.</li> </ol>
Commerce VI –Human Resource Management	<ol style="list-style-type: none"> <li>1) Upon completion of course the student acquires understanding of the concept of human resource</li> </ol>

	<p>management and to understand its relevance in organizations.</p> <p>2) The learner will acquire necessary skill set for application of various HR issues.</p>
Export Marketing-II	<p>1) Students acquire a basic detailed understanding about the export procedures related under the Indian laws.</p> <p>2) Students become aware related to concepts of Export procedure and documentation, Export finance, Export Distribution and Promotion.</p>
Computer systems and applications-II	<p>1) The students will understand the different statistical and data analysis tools using different charts. Useful Excel functions (Such as Outlining and Grouping Data Subtotals Tool) to summarise a spreadsheet making the data easier to identify and explain.</p> <p>2) The students will demonstrate the use of tools (Such as Scenarios, Goal Seek and Data Tables, Solver) designed to help with forecasting and finding solutions to complicated problems involving spreadsheet's data and formulas.</p>

### **Department of B.COM (Accounting & Finance)**

#### **Programme Outcome:**

- At the end of the program, students will be able to understand and appreciate the implications of Accounting and Finance on the dynamic business environment.
- The students acquire in-depth knowledge regarding the inter-relationship between money, taxation, management skills and legal framework.
- The program lays a strong foundation for students to identify and pursue either professional exams like CA, CMA and CS or Post Graduation in Commerce, Finance, Human Resource, Marketing and Law.

#### **Programme Specific Outcome:**

- Students acquire skills to work in the field of accounting, finance, taxation and other financial services.
- Students have choices to pursue professional courses like C.A, M.B.A, M.COM, ICWA, CS etc.
- Students will be able to pursue higher education and research in the field of accountancy, commerce and Finance.

### **F.Y.B.COM (Accounting & Finance) Semester-1**

<b>Subject</b>	<b>Outcome</b>
Financial Accounting – I	1) On completion of this course, Students will have an in-depth understanding of the accounting standards and their



	<p>applicability in the preparation of financial statements.</p> <p>2) Students will get knowledge about accounting of Hire purchase, Department and consignment transaction.</p>
Cost Accounting – I	<p>1) Students will get detailed understanding of the meaning and applicability of Cost accounting, cost centres, cost units and different type of costs.</p> <p>2) Students will be able to understand the different accounting transactions.</p>
Financial Management-I	<p>1) The students will understand the concept of financial management.</p> <p>2) Students will understand different types of financing, leverage and concepts in valuation.</p>
Foundation Course-I	<p>1) The subject creates awareness about the diversified Indian society.</p> <p>2) The subject aims at making students aware about topics like gender disparity, caste system and inters group conflicts.</p>
Business Environment(Commerce-I)	<p>1) Students will gain knowledge about the relationship between business and environment.</p> <p>2) Students will understand contemporary issues like CSR and international business environment.</p>
Business Economics –I	<p>1) This subject will enable students to understand the classical theories of micro economics.</p> <p>2) Students will be able to understand different market structures and analyze their behaviour.</p>
Business Communication-I	<p>1) The subject will help the students to develop the communication skills like writing, listening, reading and speaking.</p> <p>2) The students will understand the different types of business correspondence.</p>

### **F.Y.B.COM (Accounting & Finance) Semester-II**

<b>Subject</b>	<b>Outcome</b>
Financial accounting-II	<p>1) On completion of this course, the students will be well versed in the practical application of accounting.</p> <p>2) Students will get thorough knowledge of consignment accounts, Branch accounts and Fire Insurance claims.</p>
Auditing –I	<p>1) On completion of this course, student will understand the basic concepts of audit and the relationship between audit and accountancy.</p> <p>2) The student will gain knowledge about internal audit, planning, procedures and documentation.</p>
Foundation Course-II	<p>1) Students will gain understanding of liberalisation, privatisation and Globalization.</p> <p>2) Students will understand issues of human rights, sustainable development and ethics.</p>
Innovation in Financial services	<p>1) Students will get acquainted with the knowledge of traditional financial services.</p>

	2) Students will understand the concept of factoring and forfeiting, Bills discounting, Issue management and intermediaries, stock broking and securitization, Leasing & hire purchase and Housing finance.
Business Law –I	1) Students on completion of the course will become well versed with the legal framework that governs commercial business. 2) Students will understand Law of contract 1872, the sale of goods Act 1930, Negotiable instrument Act 1881 and The consumer protection Act 1986.
Business Mathematics	1) Students will gain knowledge of elementary statistics. 2) The students will understand calculus of ratio, proportion and percentage, profit and loss, interest and annuity.
Business Communication-II	1) The students will understand the concepts of group discussion, interview meeting and press release. 2) Students will learn to write trade letter, complain letter, RTI letter.

### **S.Y.B.COM (Accounting & Finance) Semester-III**

<b>Subject</b>	<b>Outcome</b>
Financial Accounting -III	1) The students will gain knowledge about the practical applications of accounting. 2) Students will understand concepts of partnership, Final accounts, Amalgamation of firms and conversion of partnership firm into a company.
Cost Accounting –II	1) Students will gain an in depth understanding of classification of costs and preparation of cost sheet. 2) At the end of the subject, students will gain knowledge of contract costing, process costing and reconciliation of cost sheet with financial accounts.
Business Law-II	1) Students will understand the various beneficial social legislative measures. 2) Students will gain knowledge about rights and liabilities of partners, LPP and health safety and welfare measures for workers.
Taxation-II (Direct Taxes Paper I)	1) On completion of this course, students will understand the basic principles in Income tax. 2) The Students will be able apply the provisions and compute incomes under head: Salaries, House Property, Business and Profession, Capital Gains and Other Sources.
Foundation Course-III Financial Market Operations	1) The students will be able understand the fundamental structure of the Indian Financial system. 2) Students will become familiar with the concepts financial instruments and financial services.

Business Economics -II	<ol style="list-style-type: none"> <li>1) The students will understand the important macrocosmic theories.</li> <li>2) Students will gain insights into inflation, public finance, fiscal management and financial administration.</li> </ol>
Information Technology in Accountancy -I	<ol style="list-style-type: none"> <li>1) To create awareness among students about new technologies.</li> <li>2) To equip the students with basic knowledge of programming, network structures and protocols.</li> </ol>

### S.Y.B.COM (Accounting & Finance) Semester-IV

Subject	Outcome
Financial Accounting Paper IV (Special Accounting Areas)	<ol style="list-style-type: none"> <li>1) The students will gain in-depth knowledge of preparation of final accounts of companies.</li> <li>2) Students will understand the redemption of preference shares, debentures and foreign branch.</li> </ol>
Management Accounting Paper-I	<ol style="list-style-type: none"> <li>1) On completion of the course, students will understand the application of practice tools and methods in management accounting.</li> <li>2) Students will analyze and interpret financial statements, calculate various ratios from the financial statements and calculate working capital requirement from the firm.</li> </ol>
Taxation-III(Direct taxes-II)	<ol style="list-style-type: none"> <li>1) Students will understand the concept of clubbing of income, set off and carry forward of losses.</li> <li>2) Students will learn the computation of advance tax liability and interest therein, and Double Taxation Avoidance Agreement.</li> </ol>
Research Methodology in accounting and finance	<ol style="list-style-type: none"> <li>1) The subject will promote research work among students.</li> <li>2) Students will understand research design in accounting and finance, data collection and interpretation of data.</li> </ol>
Business Law Paper-III (Company Law)	<ol style="list-style-type: none"> <li>1) Students will understand legal framework with regard to incorporation of companies.</li> <li>2) Students will understand Public offer, Private placement, share capital and debentures of companies.</li> </ol>
Information Technology in Accountancy - II(Applications in Business)	<ol style="list-style-type: none"> <li>1) The students will become aware about computerized accounting and accounting software.</li> <li>2) Students will get introduced to the concept of management Information system, its needs and features.</li> </ol>
Foundation Course-IV(Introduction to Management)	<ol style="list-style-type: none"> <li>1) On completion of the course, students will understand the basic elements of management.</li> <li>2) Students will gain knowledge about planning, organizing, staffing and directing in an organization.</li> </ol>

### T.Y.B.COM (Accounting & Finance) Semester-V

<b>Subject</b>	<b>Outcome</b>
Financial Accounting -V	<ol style="list-style-type: none"><li>1) The students will understand the accounting treatment in relation to amalgamation, absorption, internal reconstruction and relevant accounting standards.</li><li>2) Students will gain knowledge about underwriting of shares, debentures and liquidation of shares.</li></ol>
Financial Management-II	<ol style="list-style-type: none"><li>1) Students will get deep understanding of various aspects of financial management, its impact on other function of an organization.</li><li>2) The students will understand the capital structure theories and dividend policies, capital budgeting.</li></ol>
Management Application –II	<ol style="list-style-type: none"><li>1) Students will gain knowledge about concepts related to marketing, production, Human resource and financial management.</li><li>2) The students will gain knowledge about business managerial skills.</li></ol>
Cost Accounting -III	<ol style="list-style-type: none"><li>1) Students will understand uniform costing and its difference with inter-firm comparison.</li><li>2) Students will gain knowledge about integrated and non-integrated systems of accountancy, operating costs, process costing and activity based costing system.</li></ol>
TAXATION-IV(Indirect Taxes-II)	<ol style="list-style-type: none"><li>1) The students will understand the basics of indirect taxation and study the conceptual framework under GST.</li><li>2) The Students will acquire in depth knowledge about various documents which are required to be maintained by the supplier of goods and services under GST.</li></ol>
FINANCIAL ACCOUNTING VI	<ol style="list-style-type: none"><li>1) The students will understand the Concepts of Accounting for Banking Companies and thereby make final accounts of Banking Companies.</li><li>2) The students would learn the working of Insurance companies, Non-banking financial institutions.</li></ol>

### T.Y.B.COM (Accounting & Finance) Semester-VI

<b>Subject</b>	<b>Outcome</b>
Financial Accounting Paper –VII	<ol style="list-style-type: none"><li>1) This subject will enable students to understand the finalization of accounts of Electricity Company, co-operative society and consumer co-operative society.</li><li>2) This subject will provide knowledge of IFRS and Indian accounting standards.</li></ol>
Cost Accounting Paper – IV	<ol style="list-style-type: none"><li>1) The students will understand the importance and role of budgets in an organization.</li><li>2) Students will study concepts like absorption costing and marginal costing, CVP analysis to practical decision making, standard costing and variance analysis.</li></ol>

Financial Management – Paper III	<ol style="list-style-type: none"> <li>1) This subject provides an understanding of various topics like Business valuation, mergers and acquisition.</li> <li>2) Students will also learn about corporate restructuring and takeover, lease and hire purchase financing and working capital financing.</li> </ol>
TAXATION PAPER – V (Indirect Taxes - III)	<ol style="list-style-type: none"> <li>1) The Students will be introduced to various payment of tax , calculation of interest and refund procedure.</li> <li>2) The Students will be able acquire knowledge about various documentation and auditing procedure under GST.</li> </ol>
Economics-III Indian Economy	<ol style="list-style-type: none"> <li>1) The students will gain knowledge about various aspects of Indian economy.</li> <li>2) The students will get acquainted with reforms undertaken by the Government of India in agriculture sector, Industrial sector, service sector and external sector.</li> </ol>

### **Department of B.COM (Banking & Insurance)**

#### **Programme Outcome:**

- After completing three years for B.Com Banking & Insurance program, students would gain a thorough grounding in the fundamentals of Banking, Insurance, Finance, Management and Commerce concepts.
- This program provides graduates with technical, human, managerial and conceptual skills through training to become successful professionals in modern financial sector.
- The aim of the course is to provide students with the deep insights into the real world of banking and insurance through theory and practical sessions.

#### **Programme Specific Outcome:**

- The course aims on imparting specific knowledge and skills that prepare learners for research and further studies in the field of BFSI (Banking, Financial services and Insurance) sector.
- The course aims at bridging the gap between academia and industry.
- The course focuses on specific subject related and transferable skills within the disciplines of commerce, business accounting, economics, finance, law, taxation, and management which are relevant for employment opportunities in financial sector.

### F.Y.B.COM (Banking & Insurance) Semester-1

Subject	Outcome
Financial Accounting-I	<ol style="list-style-type: none"><li>1) To make students understand the basic accounting and book keeping terminology, valuation of stock &amp; hire purchase system.</li><li>2) Students will learn to prepare final accounts of manufacturing firm and proprietors firm</li></ol>
Principles of management	<ol style="list-style-type: none"><li>1) On completion of the course, Students will understand management theory and its importance in the business.</li><li>2) Students will study various theories and managerial concepts with suitable examples from banking and insurance sector.</li></ol>
Environmental management of financial services	<ol style="list-style-type: none"><li>1) Students will understand basic financial terminology.</li><li>2) The student will be able to define and recognize banking and insurance concepts and different types of risk and risk management methods.</li></ol>
Business communication-I	<ol style="list-style-type: none"><li>1) Students will develop ability to communicate effectively.</li><li>2) The subject will inculcate writing clear and concise business reports skills.</li></ol>
Micro economics	<ol style="list-style-type: none"><li>1) This subject will enable students to understand the classical theories of micro economics.</li><li>2) Students will be able to understand different market structures and analyze their behaviour.</li></ol>
Foundation Course-I	<ol style="list-style-type: none"><li>1. The students will understand the multicultural diversity of Indian society with the help of various facts about Indian demographics.</li><li>2. The subject aims at making students aware about topics like gender disparity, caste system and inters group conflicts.</li></ol>

Quantitative methods-I	<ol style="list-style-type: none"> <li>1. The students will understand and apply techniques of Measures of Central Tendencies, Measures of Dispersion, Co-variance, Correlation and Regression</li> <li>2. The students will learn and apply the concepts of Probability, Probability Distribution, Decision Theory and Index Nos.</li> </ol>
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F.Y.B.COM (Banking & Insurance) Semester-II

Subject	Outcome
Financial Accounting-II	<ol style="list-style-type: none"> <li>1) On completion of the course, student will learn the valuation of goodwill and shares of companies.</li> <li>2) Students will get the basic understanding of legal provisions for buyback of shares, redemption of preference shares and debentures.</li> </ol>
Business Law	<ol style="list-style-type: none"> <li>1) The students will get introduced to basics of business laws &amp; regulations in India.</li> <li>2) The students will get familiarised on the Constitution of India, The Contract Act, Negotiable instrument, and Information Technology Act.</li> </ol>
Organizational behaviour	<ol style="list-style-type: none"> <li>1) On completion of the course, the student will be able to identify and recall various concepts, model and theories of Organisational Behaviour.</li> <li>2) The student will be able to describe and interpret various organisation related topics like organisational change, organisational conflicts and organisational culture. The students will also be able to apply stress and time management strategies.</li> </ol>
Business communication-II	The students will be able to demonstrate effective presentation skills, group communication techniques,

	and language and writing skills. The students will learn various Business correspondence trade letters.
Principles and Practices in Banking and insurance	1) The students will become aware of banking rules and regulation. 2) Students will study different types of banks and insurance, concept of financial inclusion and Banking regulation Act of 1949.
Foundation course	1) Students will gain understanding of liberalisation, privatisation and Globalization. 2) Students will understand issues of human rights, sustainable development and ethics.
Quantitative methods-II	1) The students will understand calculus of ratio, proportion and percentage, Matrices & Determinants and various Linear Programming Techniques. 2) Students will be able to apply Statistical Applications In Investment Management.

### S.Y.B.COM (Banking & Insurance) Semester-III

Subject	Outcome
Financial Management	1) Students will analyze various methods of accounting used in managing finance of organization 2) Students will learn to analyse different techniques used for capital budgeting and time value of money.
Management Accounting	1) Students will study different tools and techniques used in management accounting system. 2) Students will understand the role of management accounting in decision making in business organisations
Direct Tax	1) Students will be introduced to tax



	<p>computations, assessment procedures and Filing of returns</p> <p>2) Students will learn and apply different provisions under heads of incomes, deductions and calculate tax liability.</p>
Financial market	<p>1) The students will gain basic knowledge on the Financial Sector in India.</p> <p>2) Students will study different financial products &amp; services, the Regulators in the market &amp; the latest products introduced in the market</p>
Mutual Fund Management	<p>1) By the end of the subject, students will gain knowledge about the Mutual fund market in India.</p> <p>2) Students will study the services &amp; types of mutual fund available in the Indian market.</p>
Foundation course in banking	<p>1) By the end of the subject, the student will be able to discuss the terms like BIS, BASEL and present on various types of banks.</p> <p>2) Students will study different types of banking structure and various schemes introduced by Government by giving original examples.</p>
Information Technology	<p>1) The students will be introduced to the E-Commerce and E-Banking framework.</p> <p>2) Students will learn to apply MS-Word and MS-Excel packages.</p>

### S.Y.B.COM (Banking & Insurance) Semester-IV

Subject	Outcome
Financial Management	1) Students will learn the financial policies for managing finance. 2) Students will learn the preparation of various budgets and working capital for the organisation.
Cost Accounting	1) On completion of the course, students will Understand different cost concepts and its application in cost accounting areas. 2) Students will learn to write the cost accounting statements and understand the cost variance and its application to minimize cost of production.
Corporate law	1) The students will learn about the Formation & functioning of Companies in India and the latest amendments of Companies Act 2013. 2) The students will understand securities related enactments, regulations & the guidelines of SEBI.
Macro Economics	1) Students will be enabled to understand the classical Macro Economics Theories. 2) The students will understand the concepts of circular flow of income , Keynesian theory, Public Finance and international trade.
Customer Relationship Management	1) The students will understand the concepts of CRM. 2) Students will gain knowledge about the role and importance of IT in CRM, and apply

	the concept of CRM in banking and insurance industries.
Foundation Course in Insurance	<p>1) On completion of the course, students will be able to understand the life insurance business in India.</p> <p>2) Students will gain knowledge about various types of insurance such as Property, Health, vehicle and Fire.</p>
Information Technology	<p>1) On completion of the course, students will learn various e-banking models.</p> <p>2) Students will apply the knowledge of Information Technology in banking sector.</p>

### **T.Y.B.COM (Banking & Insurance) Semester-V**

<b>Subject</b>	<b>Outcome</b>
Financial Reporting Analysis	<p>1) The students will study the reporting system of corporate business.</p> <p>2) Students will understand the important terms while preparing final accounts of banking companies and insurance companies.</p>
Business Ethics	<p>1) This subject introduces the students to ethics and its application in the business.</p> <p>2) Students will gain knowledge about corporate governance in Indian businesses.</p>
International Banking & Finance	<p>1) The students will get introduced to the International banking &amp; finance concepts.</p> <p>2) The students will study different types of Institutions &amp; services available for investors in International Banking and Finance market.</p>

Financial services management	<p>1) The students will get information on the services available in the financial Market.</p> <p>2) The students will get in-depth knowledge on services like Securitisation, Factoring, Forfeiting, Housing &amp; Consumer financing and Depositories</p>
Research Methodology	<p>1) On completion of the course, the students will be able to analyse different types of research methodology, hypothesis and research design.</p> <p>2) Students will gain knowledge about the primary source of data collection and various statistical analytical tools.</p>
Strategic Management	<p>1) The students will study the levels of strategy and strategic management process.</p> <p>2) Students will be able to associate the impact of environment (PESTLE) on SM and select right strategic management tools.</p>

### **T.Y.B.COM (Banking & Insurance) Semester-VI**

<b>Subject</b>	<b>Outcome</b>
Security Analysis and Portfolio Management	<p>1) Students will understand various investments avenues available in the financial market and analyse the investment pattern.</p> <p>2) The students will study basic concepts of Investment and understand the role of Risk – Return Framework</p>
International Business	<p>1) On completion of the course, students will get clarity on concepts of international business,</p> <p>2) Students will understand global business environments scenario, export</p>

	documentation and formation of various trade blocks and its effects on Indian trade and development.
Turnaround Management	<p>1) Students will understand the concept of Business Organisation, Growth Strategies &amp; Industrial sickness.</p> <p>2) Students will study the strategies adopted by various companies to revive &amp; rehabilitate Sick business units, Role of Government in Reviving the sick industries</p>
Central Banking	<p>1) The students will gain knowledge about the basic function of central bank.</p> <p>2) The students will study about the Central bank in India, Role of Central Bank, services provided, regulatory &amp; developmental activities of RBI, Central Banks in other countries, Central Bank in Cyber world</p>
Human Resource Management	<p>1) On completion of this course, the student will be able to explain and apply HRM functions and objectives.</p> <p>2) The students will study the concept of HRP, recruitment and training, performance appraisal methods and process.</p>
Project on Banking & Insurance	1) The students will identify, formulate, and analyse research problems pertaining to financial, marketing, HR and It problems in the field of banking and insurance sector.

### **Department of B.COM (Financial Markets)**

#### **Programme Outcome:**

- The learner will develop the knowledge, skill and attitude to creatively and systematically apply the principles and practices of commerce, accountancy, finance, Business law, Business mathematics, Communication skills and Computer skills,

Portfolio Management, Equity Research, Fundamental & Operations of Financial Market Trading as well as legal framework in modern day business and non-business organizations.

- The student will be able to exhibit self-confidence, awareness of general social issues and communicate effectively through digital and non-digital medium with the accounting, commerce, management, business, professional fraternity and with society at large.
- The student will be able to function effectively as an individual and as a member or leader in teams and in multidisciplinary settings by demonstrating skills, coping skills and human skills

**Programme Specific Outcome:**

- The Program focus on developing knowledge and skills required for making a successful career in the field of financial markets.
- The Program will make graduates capable of making a positive contribution to Trade, Commerce and Industry in the national and global context.
- The Program will create solid foundation for pursuing professional careers such as CA, ICWA, CFA, CS, MBA, MMS and MFM as well as research and in the NPOs.
- Encourage graduates with flair of self-employment to initiate and build upon entrepreneurial ventures or demonstrate entrepreneurship for their employer organizations.

**F.Y.B.COM (Financial Markets) Semester-I**

Subject	Outcome
Financial Accounting I	1) Students will be able to learn principles and fundamental Concepts of Accountancy. 2) Students will be able to understand and apply ledger accounts using double entry bookkeeping, journal entries and prepare Financial Statement in accordance with appropriate standards.

Introduction to Financial System	<ol style="list-style-type: none"> <li>1) Students will be able to Learn the fundamentals of financial system in the economy.</li> <li>2) Students will be able to understand various types of financial instruments and financial markets.</li> </ol>
Business Mathematics	<ol style="list-style-type: none"> <li>1) Students will be able to learn the basic concepts of mathematics and its application in finance.</li> <li>2) Students will understand the basics of insurance and apply the calculation of net income.</li> </ol>
Business Communication	<ol style="list-style-type: none"> <li>1) Students will understand various theories and types communication.</li> <li>2) The Students will develop the ability of communicating professionally and correspond correctly.</li> </ol>
Foundation Course	<ol style="list-style-type: none"> <li>1) Students will understand multicultural diversity of Indian society.</li> <li>2) The subject aims at making students aware about topics like gender disparity, caste system and inter-group conflicts.</li> </ol>
Business Environment	<ol style="list-style-type: none"> <li>1) The Students will be able to have indebt knowledge on business and its environment.</li> <li>2) Students will be able to describe to Foreign trade in India as well as strategies for going global.</li> </ol>
Business Economics	<ol style="list-style-type: none"> <li>1) The subject will enable students to understand the basic framework of micro economy.</li> <li>2) Students will be able to understand different market structures and analyze their behaviour.</li> </ol>

### **F.Y.B.COM (Financial Markets) Semester-II**

<b>Subject</b>	<b>Outcome</b>
Financial Accounting II	<ol style="list-style-type: none"> <li>1) Students will understand the legal framework of Issue of shares, Bonus issue, Right issue, Investment Accounting, Valuation of goodwill and shares.</li> <li>2) The subject will teach students to prepare</li> </ol>

	Corporate Financial Statements.
Principles of Management	<ol style="list-style-type: none"> <li>1) Students will learn various approaches of management.</li> <li>2) The subject will teach various functions of management viz: planning, decision making, organizing and controlling.</li> </ol>
Business Statistics	<ol style="list-style-type: none"> <li>1) Students will understand the calculus of correlation, regression and linear programming.</li> <li>2) Students will acquire skills on the application of statistical tools and techniques in Business decision-making.</li> </ol>
Business Communication II	<ol style="list-style-type: none"> <li>1) The students will be able to demonstrate effective presentation skills, group communication techniques, and language and writing skills.</li> <li>2) The students will learn various Business correspondence trade letters.</li> </ol>
Environmental Science	<ol style="list-style-type: none"> <li>1) Students will understand key concepts like environment, ecosystem and biodiversity.</li> <li>2) Students will understand environmental problems associated with economic activities and apply case examples with reference to India</li> </ol>
Foundation Course II	<ol style="list-style-type: none"> <li>1) Students will gain understanding of liberalization, privatization and Globalization.</li> <li>2) Students will learn basic concept of stress and conflict in individuals and society and how to apply coping mechanism for it.</li> </ol>
Computer Skills	<ol style="list-style-type: none"> <li>1) The subject will Introduce the students to concepts like computer hardware, windows and internet.</li> <li>2) Students will learn and apply MS- Word and MS-Excel 2013.</li> </ol>



### S.Y.B.COM (Financial Markets) Semester-III

Subject	Outcome
Portfolio Management	<ol style="list-style-type: none"><li>1) The subject will help students to understand security analysis, risk and return of different investments and various avenues of investment.</li><li>2) Students will be able to classify and analyze portfolio revision and performance management.</li></ol>
Management Accounting	<ol style="list-style-type: none"><li>1) Students will calculate as well as learn the application of ratios analysis.</li><li>2) Students will be able to solve fund flow, cash flow statement, Marginal costing, working capital etc.</li></ol>
Business Law I	<ol style="list-style-type: none"><li>1) The subject will introduce students to in-depth knowledge of Sale of goods act and Negotiable Instruments.</li><li>2) Students will be able to explain Indian Contract Act and Special Contracts.</li></ol>
Debt Market I	<ol style="list-style-type: none"><li>1) The subject will introduce students to various concepts of debt instruments, valuation, Participants, Issuers of the debt market, benefits to the issuer and the investors and regulatory framework of debt market.</li><li>2) Students will be able to learn various types of bonds and determine valuation of bonds.</li></ol>
Foundation Course (Money Market)	<ol style="list-style-type: none"><li>1) Students will be able to discuss regulatory framework of money market.</li><li>2) Students will be able to describe various types of money market instruments.</li></ol>
Equity Market I	<ol style="list-style-type: none"><li>1) Students will understand the concept of equity market and its importance in India.</li><li>2) Students will have in-depth knowledge on stock exchanges in India.</li></ol>
Computer Skills	<ol style="list-style-type: none"><li>1) The subject will help student to understand database management system.</li><li>2) Students will understand and apply Modern and emerging E -Business Software Systems and technologies.</li></ol>

### S.Y.B.COM (Financial Markets) Semester-IV

Subject	Outcome
Equity Market II	<ol style="list-style-type: none"><li>1) Students will learn to predict valuation of equities.</li><li>2) Students will understand and analyze Share price movement.</li></ol>
Debt Market II	<ol style="list-style-type: none"><li>1) The subject will enable students to interpret the concept of fixed income securities.</li><li>2) Students will be able to describe Fixed Income Portfolio Management at Domestic and International level as well as various Bond portfolio management strategies.</li></ol>
Business law II	<ol style="list-style-type: none"><li>1) The students will have in depth knowledge on Indian Companies Act 2013, Intellectual Property Rights, Copyrights and trademarks.</li><li>2) The students will understand Securities Contract Regulation Act and the guidelines of SEBI.</li></ol>
Business Economics II	<ol style="list-style-type: none"><li>1) Students will be enabled to understand the classical Macroeconomics Theories.</li><li>2) The students will understand the concepts of circular flow of income, Keynesian theory, Public Finance and international trade.</li></ol>
Corporate Finance	<ol style="list-style-type: none"><li>1) Students will get an overview of corporate finance and understand how to plan corporate financial activities.</li><li>2) The students will be able to determine capital structure of corporate bodies.</li></ol>
Foundation Course (Foreign Exchange Market)	<ol style="list-style-type: none"><li>1) Students will be able to describe operational aspects of foreign exchange market and foreign exchange contracts.</li><li>2) Students will be able to understand foreign exchange arithmetic and risk management.</li></ol>
Personal Financial Planning	<ol style="list-style-type: none"><li>1) The subject will enable students to calculate and analyze various personal financial statements.</li><li>2) Students will be able to calculate returns, Time value of money, Loans, Total Asset, Net Worth and Financial Ratios.</li></ol>

### T.Y.B.COM (Financial Markets) Semester-V

Subject	Outcome
Corporate Accounting	<ol style="list-style-type: none"><li>1) Students will Understand the concept and legal framework of redemption of preference shares, redemption of debentures, profit prior to incorporation, Amalgamation, absorption and reconstruction.</li><li>2) Students will learn to solve and apply the concepts of Amalgamation of Companies (w.r.t. AS 14), Capital Reduction and Internal Reconstruction.</li></ol>
Direct Tax – Income Tax	<ol style="list-style-type: none"><li>1) Students will understand the basic concept of Income Tax in order to familiarize the various heads of income with its components, exemptions and deductions.</li><li>2) The student will learn to compute the income of the individual assessee.</li></ol>
Technical Analysis	<ol style="list-style-type: none"><li>1) Students will understand trading discipline employed to evaluate investment and identify trading opportunities in price trends and pattern seen on charts.</li><li>2) Students will be able to explain the concept of Risk Management, Trading Psychology and Trading Strategies.</li></ol>
Financial Derivatives	<ol style="list-style-type: none"><li>1) Students will be able to describe and apply financial derivatives such as Forward, Future and option.</li><li>2) Students will understand Trading, Clearing and Settlement of Options and Futures</li></ol>
Business Ethics and Corporate Governance	<ol style="list-style-type: none"><li>1) The subject will introduce the concepts of ethics, ethical dilemma, codes of ethics, business ethics, ethics committee, ethics training and integrity pact to the students.</li><li>2) Students will understand various forums, conceptual and legislative framework of Corporate Governance</li></ol>
Equity Research	<ol style="list-style-type: none"><li>1) The subject will introduce the students to the concept of research and process of research methodology.</li><li>2) The students will understand fundamentals and overview of equity research.</li></ol>

### T.Y.B.COM (Financial Markets) Semester-VI

Subject	Outcome
Risk Management	<ol style="list-style-type: none"><li>1) The students will understand various types of risk, risk management process and evaluate organization's ability to bear them.</li><li>2) The students will learn to identify, analyze and manage Forex risk and exchange risk.</li></ol>
Mutual Fund Management	<ol style="list-style-type: none"><li>1) The Students will understand the structure and working of mutual fund, various mutual fund products and risk associated with the mutual fund</li><li>2) The students will learn techniques to evaluate the performance of the mutual fund schemes.</li></ol>
Venture Capital and Private Equity.	<ol style="list-style-type: none"><li>1) The students will understand Conceptual understanding, Structure and Valuation approaches of Venture Capital and Private Equity.</li><li>2) The students will be able to evaluate various Strategies of Private Equity.</li></ol>
Strategic Corporate Finance	<ol style="list-style-type: none"><li>1) The students will understand the practical applications of Fund raising, Company Valuation and Credit Risk Management.</li><li>2) Subject will prepare students for the issues involved in raising, allocating and managing capital, and its associated risks.</li></ol>
Indirect tax - GST	<ol style="list-style-type: none"><li>1) Students will understand the Goods Services Tax law with respect to the Intra-state and Inter-state sale and supply of goods and service, Registration requirements, Value-Time-Place of Supply, Input tax credit, etc.</li><li>2) The student will understand process and documentation of filling of returns.</li></ol>
Project Work	The students will be able to synthesize knowledge from various areas of learning, and critically and creatively apply it to real life situations by conducting research in areas of financial sector.

## **Department of B.M.S**

### **Programme Outcome:**

- Program will help students to understand the basic theories, concepts and effective behavioural practices that form the foundation of modern management thought.
- A student of this programme will be able to demonstrate the ability to apply key management concepts to provide solution in business.
- Program will help develop professional knowledge and skills in the field of Accountancy, Marketing, Human Resource Management and Financial Management and do field project.
- The Program will sensitize students towards the challenges in the global market.

### **Programme Specific Outcome:**

#### Bachelor in Management Studies (Finance)

The program prepares students for a career in accounting, banking, and financial management. The aspiring candidates with the knowledge of financial subject like Cost Accounting, Corporate Finance, Investment Analysis & Portfolio Management, and Wealth Management are expected to excel in the fast growing Financial Services industry, and they can do higher education in their relevant field.

#### Bachelor in Management Studies (Human Resource Management)

The program prepares students for a career in HR policy formulation and practice in the areas of employment law, job analysis, employee relations and International HRM. The aspiring candidates with the knowledge of HR subject like Organizational Behaviour and Human Resource Management, recruitment and selection, Training & Development in HRM, Finance for HR Professionals & Compensation Management, and HRM in Global Perspective are expected to excel in the fast growing HR Services industry, and they can do higher education in their relevant field.

#### Bachelor in Management Studies (Marketing)

The program prepares students for a career in Advertising, technical Marketing Assistant; Media Planner & Buyer; Supply Chain Management; E-commerce Analysis banking, and sales executives. The aspiring candidates with the knowledge of marketing subject like Consumer Behaviour, Advertising, Rural Marketing, E-Commerce & Digital Marketing, Sales & Distribution Management, Media Planning & Management, and Brand Management are expected to excel in the fast growing Marketing Services industry, and they do field project in their relevant field.

### F.Y.B.M.S Semester-1

<b>Subject</b>	<b>Course Outcome</b>
Introduction to Financial Accounts	<ol style="list-style-type: none"> <li>1) The Students gets basic Account knowledge</li> <li>2) They study concepts like Journal, Ledger, Depreciation, Trial balance, BRS and preparing final account.</li> </ol>
Business Law	<ol style="list-style-type: none"> <li>1) On completion of the course, the students will study the current legal framework governing the business world.</li> <li>2) Students are introduced Contract Act, 1872 &amp; Sale of Goods Act, 1930, Negotiable Instrument Act, 1981, Company law, Intellectual Property Rights (IPR) .</li> </ol>
Business Statistics	<ol style="list-style-type: none"> <li>1) Students get basic knowledge in elementary statistics.</li> <li>2) The students study Measures of Dispersion, Co-Relation and Linear Regression, Probability and Decision Theory which prepares students for their future careers in business end research.</li> </ol>
Business Communication - I	<ol style="list-style-type: none"> <li>1) This subject provide students knowledge about communicate skills, understand the methods of communication.</li> <li>2) The course helps to improve LSRW and practice these skills in their daily life and obstacles to communication in Business World and business correspondence.</li> </ol>
Foundation Course – I	<ol style="list-style-type: none"> <li>1) This subject will enable the students to become aware of the societal problems and multi-cultural diversity of Indian society.</li> <li>2) The subject helps to examine various reasons of inequalities.</li> </ol>
Foundation of Human Skills	<ol style="list-style-type: none"> <li>1) The course helps students in understanding of human nature, organisational change, creativity and development and work stress.</li> <li>2) This course highlights the importance of individual and group dynamics and the skills required for working in organization.</li> </ol>
Business Economics-I	<ol style="list-style-type: none"> <li>1) The students get acquainted with the theories of microeconomics.</li> <li>2) The students understand demand Analysis, price fixing, market competitors and management business economically.</li> </ol>

## F.Y.B.M.S Semester-II

<b>Subject</b>	<b>Course Outcome</b>
Principles of Marketing	<ol style="list-style-type: none"><li>1) The course enables students to understand developing marketing environment, research and consumer behaviour, marketing mix, segmentation, targeting and positioning and trends in marketing.</li><li>2) The subject helps students in order to cater the needs of marketing industries.</li></ol>
Industrial Law	<ol style="list-style-type: none"><li>1) This subject inculcates awareness about various legislation concerning industries.</li><li>2) The students study laws Related to Industrial Relations and Industrial Disputes and Health, Safety and Welfare. Also helps to understand laws related to compensation management.</li></ol>
Business Mathematics	<ol style="list-style-type: none"><li>1) The students get acquainted with the elementary business mathematics.</li><li>2) The subject helps to develop skills in analysing mathematical models in business management.</li></ol>
Business Communication - II	<ol style="list-style-type: none"><li>1) This subject helps Students to presentation skills.</li><li>2) The course highlights Group communication, business correspondence, language and writing skills.</li></ol>
Foundation Course – Value Education and Soft Skill – II	<ol style="list-style-type: none"><li>1) Students acquire knowledge in issues relating to human rights and environmental concerns and be aware of the societal problems.</li><li>2) The students will study Globalisation and Indian society, Managing stress and conflict in contemporary society.</li></ol>
Business Environment	<ol style="list-style-type: none"><li>1) This subject inculcates awareness about business environment at national and international level.</li><li>2) The subject helps students in understanding the impact of international organization on business environment.</li></ol>
Principles of Management	<ol style="list-style-type: none"><li>1) The students will get knowledge and skills regarding business principles, management skills required for running a business.</li><li>2) The students will understand planning and decision making.</li></ol>

### S.Y.B.M.S Semester-III

<b>Subject</b>	<b>Course Outcome</b>
Foundation Course- Contemporary Issues- III	<ol style="list-style-type: none"> <li>1) This course acquaints students on Human Rights Provisions, Violations and redressal.</li> <li>2) The course enables students to understand issues relating to human rights and environmental concerns.</li> </ol>
Information Technology in Business Management - I	<ol style="list-style-type: none"> <li>1) On completion of the course, students will learn basic concepts of Information Technology, its support and role in Management.</li> <li>2) From this course, the students will gain practical knowledge of application software. They will improve their professional computer skills.</li> </ol>
Business Planning & Entrepreneurial Management	<ol style="list-style-type: none"> <li>1) This course develops entrepreneurs &amp; to prepare students to take the responsibility of full line of management function of a company with special reference to SME sector.</li> <li>2) Entrepreneurship is one of the major focus areas of the discipline of Management. This course introduces Entrepreneurship to budding managers.</li> </ol>
Accounting for Managerial Decisions	<ol style="list-style-type: none"> <li>1) This subject will acquaint management learners with basic accounting fundamentals and develop financial analysis skills.</li> <li>2) The course aims at explaining the core concepts of business finance and its importance in managing a business.</li> </ol>
Strategic Management	<ol style="list-style-type: none"> <li>1) The objective of this course is to learn the management policies and strategies to develop conceptual skills in this area as well as their application in the corporate world.</li> <li>2) The subject gives a brief understanding of complex strategic decisions making.</li> </ol>
Corporate Finance	<ol style="list-style-type: none"> <li>1) The students understand of nature, importance, structure of corporate finance.</li> <li>2) The subject imparts knowledge regarding source of finance for a business and to acquaint the participants with the tools techniques and process of financial management in the realm of financial decision making.</li> </ol>
Introduction to Cost Accounting	<ol style="list-style-type: none"> <li>1) This course exposes the students to the basic concepts and the tools used in Cost Accounting.</li> <li>2) This course enables the students to understand the principles and procedure of cost accounting and to apply them to different practical situations.</li> </ol>
Recruitment and Selection	<ol style="list-style-type: none"> <li>1) The objective of this subject is to familiarize the students with concepts and principles, procedure of Recruitment and Selection in an organization.</li> <li>2) The subject gives an in depth insight into various aspects of Human Resource management and make them acquainted with practical aspect of the subject.</li> </ol>



Organizational Behaviour and HRM	<ol style="list-style-type: none"> <li>1) The students will be able to understand scope of Human Resource Management and hence will enable them to have career options.</li> <li>2) Organizational Behaviour will help them to work with efficiency in an organization</li> </ol>
Consumer Behaviour	<ol style="list-style-type: none"> <li>1) This subject is meant to equip undergraduate students with basic knowledge about issues and dimensions of Consumer Behaviour.</li> <li>2) Students are expected to develop the skill of understanding and analysing consumer information and using it to create consumer- oriented marketing strategies.</li> </ol>
Advertising	<ol style="list-style-type: none"> <li>1) On successful completion of syllabus, students will understand growing importance of advertising, career growth, scope in advertising and role of advertising in contemporary scenario.</li> </ol>

#### S.Y.B.M.S Semester-IV

Subject	Course Outcome
Business Economics-II	<ol style="list-style-type: none"> <li>1) On completion of the course, the student will gain knowledge of macroeconomic theories.</li> <li>2) The student will gain knowledge of economic concepts of Money, Inflation and Monetary Policy and Constituents of Fiscal Policy.</li> </ol>
Business Research Methods	<ol style="list-style-type: none"> <li>1) The subject will inculcate analytical abilities of research skills among students.</li> <li>2) The course provides hands on experience and learning in Business Research.</li> </ol>
Production & Total Quality Management	<ol style="list-style-type: none"> <li>1) This course develops analytical skills regarding productivity, Economic Order Quantity.</li> <li>2) The subject includes various methods of cost effectiveness in production.</li> </ol>
Ethics & Governance-IV	<ol style="list-style-type: none"> <li>1) This subject makes students socially conscious about societal problems.</li> <li>2) The students understand the growing importance of good governance and CSR by organisations.</li> </ol>
Information Technology in Business Management-II	<ol style="list-style-type: none"> <li>1) On completion of this course, students learn enterprise Resource Planning, Supply Chain Management, Customer Relationship Management, Key issues in implementation.</li> <li>2) This course provides understanding about emerging MIS technologies like ERP, CRM, SCM and trends in enterprise applications.</li> </ol>
Strategic Cost Management	<ol style="list-style-type: none"> <li>1) On completion of this course, Students learn the skill of analysis, evaluation and synthesis in cost and management accounting.</li> <li>2) The subject deals with topics like decision in controlling cost.</li> </ol>

Corporate Restructuring	<ol style="list-style-type: none"> <li>1) This Course imparts knowledge relating to legal, accounting and practical implementation of corporate restructuring.</li> <li>2) The course covers the complex facets of corporate restructuring process.</li> </ol>
Conflict & Negotiation	<ol style="list-style-type: none"> <li>1) The students will understand the nature of conflicts, their causes and outcomes.</li> <li>2) The students will study the aspects of conflict management and how to handle them effectively and get insight into negotiations and negotiation process.</li> </ol>
Training & Development in HRM	<ol style="list-style-type: none"> <li>1) The subject creates awareness about the management development, performance measurement, talent management &amp; knowledge management.</li> <li>2) The students become aware about the procedure to develop training module.</li> </ol>
Integrated Marketing Communication	<ol style="list-style-type: none"> <li>1) The Course equips the students with knowledge about the nature, purpose and complex construction in the planning and execution of an effective Integrated Marketing Communication (IMC) program.</li> <li>2) The students will understand the various tools of IMC and the importance of co-ordinating them for an effective marketing communication program.</li> </ol>
Rural Marketing	<ol style="list-style-type: none"> <li>1) The students gain awareness of rural marketing and its importance in today's environment.</li> <li>2) The students will understand the strategies needed in rural marketing.</li> </ol>

### T.Y.B.M.S Semester-V

Subject	Course Outcome
Logistics and Supply chain management	<ol style="list-style-type: none"> <li>1) Upon successful completion, students will be able to understand of logistics and supply chain management.</li> <li>2) The subject provides an insight in to the nature of supply chain, its functions and supply chain systems.</li> </ol>
Corporate Communication & Public Relations	<ol style="list-style-type: none"> <li>1) The Students will understand the concepts of corporate communication and public relations.</li> <li>2) The course examines how various elements of corporate communication must be coordinated to communicate effectively.</li> </ol>
Investment Analysis & Portfolio Management	<ol style="list-style-type: none"> <li>1) The students get acquainted with various concepts of finance.</li> <li>2) The students understand various models of techniques of security analysis and portfolio management.</li> </ol>
Wealth Management	<ol style="list-style-type: none"> <li>1) The subject provides an overview of various aspects to wealth management.</li> <li>2) Students will become aware of very important aspects of insurance, taxation &amp; retirement planning.</li> </ol>

Commodity & Derivatives Market	<ol style="list-style-type: none"> <li>1) The students study the various aspects related to financial instruments like options and futures</li> <li>2) The learners learn the trading, clearing and settlement mechanism in derivatives market.</li> </ol>
Direct Taxes	<ol style="list-style-type: none"> <li>1) The students will understand the provisions of determining residential status of individuals.</li> <li>2) Students will understand the various heads of income, deductions from total income, and to compute taxable income of Individuals.</li> </ol>
Finance for HR Professionals & Compensation Management	<ol style="list-style-type: none"> <li>1) This course orients HR professional with financial concepts to enable them to make prudent HR decisions.</li> <li>2) The students will understand the various compensation plans, legal framework of compensation management.</li> </ol>
Strategic Human Resource Management & HR Policies	<ol style="list-style-type: none"> <li>1) This course makes students understand Human Resource Management from strategic perspectives.</li> <li>2) The students will understand the relationship between strategic Human Resource Management and organizational performance.</li> </ol>
Performance Management & Career Planning	<ol style="list-style-type: none"> <li>1) The students will learn the concept of performance management in organizations.</li> <li>2) The students will study the Review performance appraisal systems.</li> </ol>
Stress Management	<ol style="list-style-type: none"> <li>1) The Students will gain knowledge about nature and causes of stress in organizations, familiarize the learners with the stress prevention mechanism.</li> <li>2) The subject will enable the learners to adopt effective strategies, plans and techniques to deal with stress.</li> </ol>
E-Commerce & Digital Marketing	<ol style="list-style-type: none"> <li>1) The Students will get insight on Digital Marketing activities on various Social Media platforms.</li> <li>2) The students will analyze its emerging significance in Business.</li> </ol>
Services Marketing	<ol style="list-style-type: none"> <li>1) The students will understand distinctive features of services and key elements in services marketing.</li> <li>2) The subject will provide insight into ways to improve service quality and productivity.</li> </ol>
Sales & Distribution Management	<ol style="list-style-type: none"> <li>1) The students will be able to understand the sales &amp; distribution processes in organizations.</li> <li>2) The students will get familiarized with concepts, approaches and the practical aspects of the key decision making variables in sales management and distribution channel management.</li> </ol>
Customer Relationship Management	<ol style="list-style-type: none"> <li>1) The Students will get an insight into CRM marketing initiatives, customer service and designing CRM strategy.</li> <li>2) The students will understand new trends in CRM, challenges and opportunities for organizations.</li> </ol>

### T.Y.B.M.S Semester-VI

<b>Subject</b>	<b>Course Outcome</b>
Operational Research	<ol style="list-style-type: none"> <li>1) Upon successful completion, students will have the knowledge to understand operations research methodologies, identify best techniques to solve specific problems of operational research.</li> <li>2) The course will enable students develop operational research approach to decision making.</li> </ol>
Innovative Financial Services	<ol style="list-style-type: none"> <li>1) The Students will become familiar with fundamentals aspects of various issues associated with various Financial Services.</li> <li>2) The subject gives a comprehensive overview of emerging financial services in the light of globalization.</li> </ol>
Project Management	<ol style="list-style-type: none"> <li>1) This Course creates fundamental aspects of Project Management as a separate area of Management.</li> <li>2) The course covers the basic concepts, functions, process, techniques and create an awareness of the role, functions and functioning of Project Management.</li> </ol>
Strategic Financial Management	<ol style="list-style-type: none"> <li>1) The students get acquainted with contemporary issues relating to financial management.</li> <li>2) Changing scenario in Banking Sector and the inclination of learners towards choosing banking as a career option has made study of financial management in banking sector inevitable.</li> </ol>
Indirect Taxes	<ol style="list-style-type: none"> <li>1) The Course provides the students an overview of Goods and Service Tax structure and working of indirect taxes.</li> <li>2) The subject covers the registration and computation of GST and acquaints the students with filing of returns in GST.</li> </ol>
HRM in Global Perspective	<ol style="list-style-type: none"> <li>1) The Students will be acquainted with knowledge of managing International Human Resource Management with skills to face various challenges of expatriation and repatriation.</li> <li>2) The Students would understand International HRM Trends and Challenges and learn about Global Workforce Management.</li> </ol>
Organizational Development	<ol style="list-style-type: none"> <li>1) The Students gain the knowledge about the concepts of Organizational Development and its relevance in organization.</li> <li>2) The students will understand the Issues and Challenges of OD while undergoing Changes and Phases of OD Programme.</li> </ol>
HRM in Service Sector Management	<ol style="list-style-type: none"> <li>1) The Students will understand the significance of human element in creating customer satisfaction through service quality.</li> <li>2) The student will understand how to manage human</li> </ol>

	resources in service sector Issues and Challenges of HR in various service sectors.
Indian Ethos in Management	<ol style="list-style-type: none"> <li>1) The students will learn importance of management through Indian ethics and evolution of Learning Systems in India.</li> <li>2) The students will learn stress management techniques and karma implementation,</li> </ol>
Brand Management	<ol style="list-style-type: none"> <li>1) The students will understand various aspects of branding marketing programs and know how to build, sustain and grow brands.</li> <li>2) The student will understand the various sources of brand equity.</li> </ol>
Retail Management	<ol style="list-style-type: none"> <li>1) On completion of this course, the students will learn about retail management concepts and operations.</li> <li>2) The students will develop an understanding of retail management terminology (merchandise management, store management, retail strategy) and the legal and ethical aspects of retail management.</li> </ol>
International Marketing	<ol style="list-style-type: none"> <li>1) The subject provides an insight on the dynamics of International Marketing Environment.</li> <li>2) This subject equips students with better understanding of International Marketing Mix decisions and recent developments in Global Market.</li> </ol>
Media Planning & Management	<ol style="list-style-type: none"> <li>1) The students will understand Media Planning, Strategy and Management with reference to current business scenario.</li> <li>2) The students will know the basic characteristics of all media to ensure most effective use of advertising budget.</li> </ol>
Project Work	<ol style="list-style-type: none"> <li>1) The Students will get practical exposure towards his/her work and job specialization.</li> <li>2) Internship enables to get specialized in their field of work. A research project undertaken by the student enable them to acquaint research and analytical skills on their area of specialization</li> </ol>

### **Department of B.M.M**

#### **Programme Outcome:**

- The program focuses on media industries and their relationship to culture and society, and the understanding of how communication works. The program emphasizes the development of critical thinking, professional writing skills and effective oral communication.
- The Communication and Media Studies major prepares students for a wide variety of careers in business and industry, advertising, public relations, journalism and corporate communication or advanced study.

- The program promotes knowledge, skills, and values that prepare them for future careers in our interconnected society, whether in mass media or advanced study.
- The program aims to develop a global awareness of political, social and corporate issues influenced by communication sensitivity and skills in learners.
- Learners will understand mass media as a system of interrelated forces, including historical foundations, technological advances, economic dynamics, regulatory constraints, and ethical concerns.
- This program will also give them an improved sense of self-confidence and self-efficacy and an awareness of their responsibilities as professionals in their field.

**Programme Specific Outcome:**

- The B.M.M program encourages students to participate in co-curricular activities to enable exposure to media industry.
- The program involves visiting industry faculty members and guest lecturers to impart expertise in latest media developments.
- The program aims to develop awareness of current trends through innovative projects and presentations assigned to students.

**F.Y.B.A.M.M.C Semester-1**

<b>Subject</b>	<b>Outcome</b>
Fundamentals of Mass Communication	1) The learners will be introduced to the history, evolution and the development of Mass Communication in the world with special reference to India. 2) The learners will be made to understand the evolution of Mass Media as an important social institution.
Effective communication –I	3) The students will be equipped with the operational use of language in media. 4) The students will be capable of reading, writing and thinking functionally better than before.
Visual communication	1) The students will learn the technique of visualisation as it is used in mass media. 2) The students will be capable of applying their visualisation skills in their work.
Foundation Course I	1) The Students will get an overview of the Indian Society. 2) The students will get acquainted with the socio-political problems of India.
Current Affairs	1) The learners will know an overview on current developments in various fields. 2) The learners will have a basic understanding of politics, economics, environment and technology so that students can grasp the relevance of related news.
History of Media	1) Learner will be able to understand Media history through key events in the cultural history

	2) The learner will understand the values that shaped and continue to influence Indian mass media.
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### F.Y.B.A.M.M.C Semester-II

Subject	Outcome
Media, Gender and Culture	1) The learners will be made aware of the significance of culture and the media industry. 2) The learners will understand the association between the media, gender and culture in the society.
Effective communication –II	1) The students will be equipped with the operational use of language in media. 2) The students will understand how communication process is affected and response is potentially received.
Introduction to Advertising	1) The students will be well versed with the knowledge of advertising as a field of profession. 2) The students will be capable of analysing advertising campaigns and understand the practical functioning of an advertising agency.
Content Writing	1) The Students will communicate & write effectively. 2) They will develop clarity of thoughts.
Introduction to Journalism	1) Media students will be acquainted with the influential medium of journalism. 2) Media students will understand the news process and how news is generated from raw information.
Foundation course II	1) Students will get an overview of the Indian Society in more detailed paradigm. 2) The students will get acquainted with the socio-political fabric of India.

### S.Y.BMM Semester-III

Subject	Outcome
Cultural Studies	1) The course will create awareness on cultural theories and its relevance in media. 2) The subject will enable the students to understand the cultural concepts and its impact on the media.
Media Studies	1) The Learners will have an understanding of media theories. 2) The Learners will compare and learn Media Studies in the context of trends in Global Media.
Public Relations	1) Students will acquire basic skills in the practical aspects of Media Relations & Crisis Management. 2) Students will acquire basic skills to write & develop Press Release & other PR communication and design a PR campaign.

Introduction to Advance Computers	<ol style="list-style-type: none"> <li>1) The students will be equipped with an understanding of industry knowledge required to make a career in the field of print and Advertising, Digital Marketing, Television media, Film etc.</li> <li>2) The students can identify the use of software applications required for a particular kind of visual media thereby making them potential professionals to work in the above mentioned Industries.</li> </ol>
Understanding Cinema	<ol style="list-style-type: none"> <li>1) The students will be equipped with the knowledge of cinema as a medium of mass communication.</li> <li>2) The students will be equipped with the knowledge of technology that is used in cinema production.</li> </ol>
Introduction to Creative Writing	<ol style="list-style-type: none"> <li>1) The subject will help to develop further and build upon the writing and analytical skills.</li> <li>2) The students will get acquainted with basic concepts in literary writing.</li> </ol>

#### **S.Y.BMM Semester-IV**

<b>Subject</b>	<b>Outcome</b>
Mass Media Research	<ol style="list-style-type: none"> <li>1) The subject will enable the learners understand the scope and techniques of media research, their utility and limitations.</li> <li>2) To equip learners to understand the tools to carry on research.</li> </ol>
TV Radio	<ol style="list-style-type: none"> <li>1) The students will get acquainted with the working of two powerful media ie. radio and television.</li> <li>2) The learners understand the production aspects that will be helpful for both advertising and journalism students in order to further their careers in their respective fields.</li> </ol>
Introduction to Advertising	<ol style="list-style-type: none"> <li>1) The students will be trained about the several stages of advertising.</li> <li>2) On completion of the course, the students will be able to design an ad campaign with the several steps involved in its formation.</li> </ol>
Print Production And Photography	<ol style="list-style-type: none"> <li>1) The students will be trained in photography as an art and a science.</li> <li>2) The students will be able to conduct and perform all stages of photography from capturing to printing the output.</li> </ol>
Introduction to Journalism	<ol style="list-style-type: none"> <li>1) The Media students will be acquainted with the influential medium of journalism.</li> <li>2) Learners will be aware of the different careers in Journalism.</li> </ol>
Organisational	<ol style="list-style-type: none"> <li>1) The Learners will gain knowledge of the basic concepts</li> </ol>



Behaviour	and facets of organizational behavior. 2) The students will demonstrate management skills in any activity.
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### **T.Y.BMM Semester-V (Journalism)**

<b>Subject</b>	<b>Outcome</b>
Editing	1) The course intends to focus on language skill improvement of the learner. 2) The course aims at orienting students to gain more practical knowledge in the print media scenario.
Journalism and Public Opinion	1) The learners will be able to analyze the impact of the media and public opinion on socio political issues. 2) The learners will understand the role of the media in creating and influencing Public Opinion.
Indian Regional Journalism	1) The Learners will understand the history and role of Indian press other than in English. 2) The Learners will be aware of the happenings in the regional press and television of today.
Reporting	1) The Students will understand basic ethos of the news and news-gathering. 2) The course will enable the students to develop skills for investigative Journalism.
Feature and Opinion	1) The Students will understand the differences between reporting and feature writing. 2) The students will learn the skills for writing features/ opinion/soft stories.
Newspaper and Magazine Making	1) The Students will design elements of the newspaper and magazine. 2) The Students will understand the process of planning and production of newspaper and magazine.

### **T.Y.BMM Semester-VI (Journalism)**

<b>Subject</b>	<b>Outcome</b>
News Media Management	1) The Students will be able to analyze individual media businesses and understand the Economic drivers of the media economy. 2) The Students will have gain a fresh perspective on the evolution of media in the last 25 years and on key current trends.
Broadcast Journalism	1) The learners will develop and learn use of camera and sound in broadcast formats. 2) The students will learn about the history of broadcast formats.
Business and Magazine Journalism	1) The students will understand the tools of business journalism.

	2) The students will get an overview of the economy and become familiar with magazine format.
Issues of Global Media	1) The students will get an insight about the role of media in the 21st Century. 2) The students will understand the challenges facing traditional media v/s global media.
Contemporary Issues	1) The learner will be able to understand and analyse the present day environmental, political, economic and social concerns. 2) The learner will be made aware of the importance of human rights and its implementation in India.
Press Laws and Ethics	1) The learners will have a comprehensive understanding of media laws. 2) The learners will be aware of the role of press in a democracy.
Digital Marketing	1) On completion of the course, the learner will understand digital marketing platform. 2) The subject will enable the learner to understand the key goals and stages of digital campaigns.

### **T.Y.BMM Semester-V (Advertising)**

<b>Subject</b>	<b>Outcome</b>
Media Planning and Buying	1) On completion of the course, the learner understands procedures, requirements, and techniques of media planning and buying. 2) The learner will understand budget allocation for a Media plan and its importance.
Copywriting	1) The students will learn the process of creating original, strategic, compelling copy for various media. 2) The subjects will students to generate, develop and express ideas effectively.
Advertising in Contemporary Society	1) The students will be equipped to identify and analyse the advertising profession in the current times. 2) The students will be capable of understanding the impact of economic rules and regulations on advertising especially after Liberalisation.
Advertising Design	1) The subject will make the students understand the process of planning & production of advertisement. 2) The subject will help provide practical training in the field of advertising for the learners.
Consumer Behaviour	1) The course will help the learner understand role of marketing in influencing consumer behaviour. 2) The course will enable the learner to analyze the role of marketer& the consumer in advertising.
Brand Building	1) The subject will help the learner understand role of branding in advertising. 2) The subject will sensitize the students to the changing trends in branding through case studies.

### T.Y.BMM Semester-VI (Advertising)

<b>Subject</b>	<b>Outcome</b>
Agency Management	<ol style="list-style-type: none"> <li>1) The course will inculcate competencies in learners so that they undertake professional work in the field of advertising.</li> <li>2) To inculcate competencies in learners so that they undertake professional work in the field of advertising.</li> </ol>
Principles and Practices of Direct Marketing	<ol style="list-style-type: none"> <li>1) The students will be well versed with direct marketing as a practical form of marketing.</li> <li>2) The students will be equipped with all the tools that are practically applied while conducting a direct marketing campaign.</li> </ol>
Digital Marketing	<ol style="list-style-type: none"> <li>1) The subject will make the learner understand digital marketing platform.</li> <li>2) The course will enable the learner to understand the key goals and stages of digital campaigns.</li> </ol>
Advertising and Marketing Research	<ol style="list-style-type: none"> <li>1) The subject will inculcate the analytical abilities and research skills among the students.</li> <li>2) The subject will help learner discuss the foundations of Research and audience analysis that is imperative to successful advertising.</li> </ol>
Legal Environment & Advertising Ethics	<ol style="list-style-type: none"> <li>1) The students will be aware of the Legal Environment in contemporary India highlighting the relevance of the same with reference to Advertising media.</li> <li>2) The students will understand the need to have ethical practices in the field of advertising media both in India &amp; internationally.</li> </ol>
Contemporary Issues	<ol style="list-style-type: none"> <li>1) The learner will be able to understand and analyse the present day environmental, political, economic and social concerns.</li> <li>2) The learner will be made aware of the importance of human rights and its implementation in India.</li> </ol>
Financial Management for Marketing and Advertising.	<ol style="list-style-type: none"> <li>1) The learner will understand the features, objectives, importance of Financial Management and its relationship with other business functions like marketing and advertising.</li> <li>2) The student will understand the importance and prepare functional budgets like Sales budget and Cash budget.</li> </ol>

## Department of B.SC (Information Technology)

### Programme Outcome:

- At the end of the program, Students will be able to use and apply current technical concepts and practices in the core information technologies.
- The students acquire in-depth knowledge to effectively integrate IT-based solutions into the user environment.
- The program lays a strong foundation for students to acquire technical knowledge in the areas of security, data bases, operating systems, business intelligence, and web technologies.

### Programme Specific Outcome:

- Students will be able to analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
- The programme helps to develop skills to make the students employable and impart industry-oriented training.
- Students will be able to pursue higher education and research in the field of information technology.

### F.Y.B.SC (Information Technology) Semester-1

Subject	Outcome
Imperative Programming	<ol style="list-style-type: none"><li>1) On completion of this course, Students will have an in-depth understanding of the key concepts of programming logic.</li><li>2) Students will understand how to write programs using concepts of C.</li></ol>
Digital Electronics	<ol style="list-style-type: none"><li>1) To make student aware of basic computing knowledge and give a thorough understanding on hardware circuits, chips and complex circuitry using Integrated Circuits.</li><li>2) To make student aware of basic computing knowledge clear and give a thorough understanding on hardware circuits, chips and complex circuitry using Integrated Circuits.</li></ol>
Operating Systems	<ol style="list-style-type: none"><li>1) Students will be made aware of the software environment and its commands.</li><li>2) Student will understand the concept of virtualization and types of virtualization.</li></ol>
Discrete Mathematics	<ol style="list-style-type: none"><li>1) The subject enables the learners to understand engineering level mathematical concepts.</li><li>2) The students will apply the concept of mathematics to various domains and applications.</li></ol>
Communication Skills	<ol style="list-style-type: none"><li>1) This course is designed to make students aware of the basic business and professional communication skills.</li><li>2) The students will understand the different types of business correspondence.</li></ol>

### F.Y.B.SC (Information Technology) Semester-II

<b>Subject</b>	<b>Outcome</b>
Object oriented Programming	1) The course will enhance students programming skills at the next level of logic building. 2) This subject is introduced with the aim of making the students learn higher level of programming skills.
Microprocessor Architecture	1) This course will enable the students understand the concept of assembly language programming that forms the base for machine communication. 2) The students will learn the general construction of microprocessor system.
Web Programming	1) The students will develop the skills to build static pages with html and dynamic pages. 2) Students will become aware of necessity of maintenance of server and to host website.
Numerical and Statistical Methods	1) It enables the learners to understand engineering level mathematical concepts. 2) To apply the concept of mathematics to various domains and applications.
Green Computing	1) To make student responsible eco-citizens and create awareness among the generation for eco-friendly use of computers and their resources. 2) The students will learn to design, using and disposing of computing devices in a way that reduces their environmental impact.

### S.Y.B.SC (Information Technology) Semester-III

<b>Subject</b>	<b>Outcome</b>
Python Programming	1) The Students will become aware of python scripting language. 2) Students will learn to design and program python programming application.
Data Structures	1) On completion of the course , Students will understand and implement algorithm through data structures. 2) The students will implement algorithms for the creation, deletion, searching, and sorting of each data structure.
Computer Networks	1) On completion of the course, students will become aware of computer networks concepts. 2) The course deals with the design and understanding of topologies, networks, protocols, modes of communication in the network and its architecture

	with the TCP/IP protocol suite.
Database Management Systems	<ol style="list-style-type: none"> <li>1) The student will become aware of database concepts and their implementation.</li> <li>2) This course introduces the learners the fundamental concepts of data, data models, data relationships, data storage techniques, constraints, various query languages, the concepts of transactions, concurrent transactions and related problems and how to handle it.</li> </ol>
Applied Mathematics	<ol style="list-style-type: none"> <li>1) It enables the learners to understand engineering level mathematical concepts.</li> <li>2) The student will be able to apply the concept of mathematics to various domains and applications.</li> </ol>

### S.Y.B.SC (Information Technology) Semester-IV

Subject	Outcome
Core Java	<ol style="list-style-type: none"> <li>1) On completion of the course, the student will understand and develop cross-platform and threads in programming language for better efficiency in programming.</li> <li>2) The subject will equip students with error handling techniques.</li> </ol>
Introduction to Embedded Systems	<ol style="list-style-type: none"> <li>1) To make student learn programming skills to apply in hardware and software.</li> <li>2) To make student acquire the basic understanding and functioning of various peripherals and hardware components.</li> </ol>
Introduction to Embedded Systems	<ol style="list-style-type: none"> <li>1) The students will learn programming skills to apply in hardware and software.</li> <li>2) Student will acquire the basic understanding of functioning of various peripherals and hardware components.</li> </ol>
Computer Oriented Statistical Techniques	<ol style="list-style-type: none"> <li>1) The students will understand the use of computer functions for statistical analysis.</li> <li>2) The students will apply and use statistical technique and tools in computerized applications.</li> </ol>
Software Engineering	<ol style="list-style-type: none"> <li>1) On completion of the course, the students will become aware of software development life cycle.</li> <li>2) The learner will learn to apply different software development model.</li> </ol>
Computer Graphics and Animation	<ol style="list-style-type: none"> <li>1) The subject will make the students aware of animation skills.</li> <li>2) The students will learn to apply and use graphics algorithm.</li> </ol>

### T.Y.B.SC (Information Technology) Semester-V

<b>Subject</b>	<b>Outcome</b>
Software Project Management	<ol style="list-style-type: none"><li>1) The subject will make the students to learn selection of projects and portfolios in an enterprise.</li><li>2) The students will become aware about effective project execution and control technique for successful project completion.</li></ol>
Internet of Things	<ol style="list-style-type: none"><li>1) The subject will make students understand various network protocol used in IOT.</li><li>2) The students will understand future trends in IT industry.</li></ol>
Advanced Web Programming	<ol style="list-style-type: none"><li>1) The students will be made aware of advance web programming concept.</li><li>2) On completion of the course, students will be able to build static and dynamic pages website.</li></ol>
Linux System Administration	<ol style="list-style-type: none"><li>1) Learners will be made to improve their skills in understanding system at kernel and other management levels of the operating system.</li><li>2) The student will learn Linux administration commands and server level configuration.</li></ol>
Enterprise Java	<ol style="list-style-type: none"><li>1) The subject will make students aware of handling complex programs relating to managing data and processes over the network.</li><li>2) The students will learn the concept of servlet, active server pages and hibernation.</li></ol>

### T.Y.B.SC (Information Technology) Semester-VI

<b>Subject</b>	<b>Outcome</b>
Software Quality Assurance	<ol style="list-style-type: none"><li>1) The students will understand the issues in Software Quality and the activities present in a typical Quality Management process.</li><li>2) The students will study quality maintenance and documentation.</li></ol>
Security in Computing	<ol style="list-style-type: none"><li>1) This course provides students with concepts of computer security, cryptography, digital money, secure protocols, detection and other security techniques.</li><li>2) The students will learn to secure Information Technology data.</li></ol>
Business Intelligence	<ol style="list-style-type: none"><li>1) This course will make student familiarize with concepts and issues related to business intelligences and decision support systems.</li><li>2) The student will learn data warehouses, design methods (dimension modeling), data extracting, transforming and loading processes and OLAP systems.</li></ol>
Principles of Geographic Information Systems	<ol style="list-style-type: none"><li>1) To make students evaluate geographical and spatial data.</li></ol>

	2) To learn remote sensing technology, manage geo database.
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### **Department of B.SC (Computer Science)**

#### **Programme Outcome:**

- At the end of the program, Students will develop technical skills required for software development.
- The programme will create a foundation for understanding the structure and functioning of computer system.
- Students will develop ability to design and implement computer based system, process to meet industry requirement.
- At the end of the programme, students will develop fundamental skills for solving computational problems.
- The students will get opportunities to develop technical skills in the areas of genomics, communications networks and coding theory, algorithms and computations and operations research.

#### **Programme Specific Outcome:**

- A study of this course will have the ability to apply problem solving skills and the knowledge of computer to solve real world problems.
- Students will develop technical projects which can be implemented by different industries.
- Students will be able to pursue higher education and research in the field of Embedded Engineer, IOT projects and Robotics.

### **F.Y.B.SC (Computer science) Semester-1**

<b>Subject</b>	<b>Outcome</b>
Programming with python-I	1) On completion of this course, Students will have an in-depth understanding of the concepts of programming. 2) Students will be able to apply the problem solving skills using syntactically simple language
Discrete Mathematics	1) The students will get an overview of theory of discrete objects, starting with relations and partially ordered sets. 2) Students will study concepts of recurrence relations, generating function, graphs and trees .
Descriptive Statistics and Introduction to Probability	1) The subject will enable learners to know descriptive statistical concepts. 2) Students will study probability concept, free and Open source Software ,Computer Organisation and Design
Database Systems	1) The Students will be able to evaluate business information problem and find the requirements of a



	<p>problem in terms of data.</p> <p>2) Students will be able to design the database schema with the use of appropriate data types for storage of data in database.</p>
Soft Skills Development	<p>1) On completion of the course, students will know about various aspects of soft skills and learn ways to personality development.</p> <p>2) Students will study about importance and type of communication, leadership, team building, decision making and stress management.</p>
Free and open Source software	<p>1) Upon completion of this course, students should have a good working knowledge of Open Source ecosystem, its use, impact and importance.</p> <p>2) This course shall help student to learn Open Source methodologies, case studies with real life examples.</p>
Computer Organisation and Design	<p>1) The student will learn about how computer systems work and underlying principles.</p> <p>2) The student will understand the basics of digital electronics, processor structure and operation and instruction set architecture.</p>

### **F.Y.B.SC (Computer science) Semester-II**

<b>Subject</b>	<b>Outcome</b>
Programming with python-II	<p>1) On completion of this course, Students will understand how to read/write to files using python.</p> <p>2) The Students will be made familiar with the concepts of GUI controls and designing GUI applications.</p>
Data Structures	<p>1) The students will be able to assess how the choice of data structures and algorithm design methods impacts the performance of programs.</p> <p>2) Demonstrate an understanding of basic data structures (such as an array-based list, linked list, stack, queue, binary search tree) and algorithms.</p>
Calculus	<p>1) On completion of the course, student will understand Mathematical concepts like limit, continuity, derivative, integration of functions.</p> <p>2) Students will develop skills to formulate a problem through Mathematical modelling and simulation.</p>
Statistical Methods and Testing of Hypothesis	<p>1) The course will enable learners to understand descriptive statistical concepts.</p> <p>2) The students will study probability concept required for Computer learners.</p>

Programming with C	<ol style="list-style-type: none"> <li>1) On completion of the course, students should be able to write, compile and debug programs in C language.</li> <li>2) Students will be able to use different data types in a computer program and design programs involving decision structures, loops and functions.</li> </ol>
Linux	<ol style="list-style-type: none"> <li>1) Upon completion of this course, students will have a good working knowledge of Linux, from both a graphical and command line perspective, allowing them to easily use any Linux distribution.</li> <li>2) Student shall be able to progress as a Developer or Linux System Administrator using the acquired skill set.</li> </ol>
Green Technologies	<ol style="list-style-type: none"> <li>1) The students will learn about green IT, hardware, software, network communication and data centre operations.</li> <li>2) The students will understand the strategies, frameworks, processes and management of green IT.</li> </ol>

### S.Y.B.SC (Computer science) Semester-III

Subject	Outcome
Operating System	<ol style="list-style-type: none"> <li>1) The course will provide an understanding of operating system, its structures and functioning.</li> <li>2) Develop and master understanding of algorithms used by operating systems for various purposes.</li> </ol>
Combinatory and Graph Theory	<ol style="list-style-type: none"> <li>1) The student will understand the combinatorial features in real world situations and Computer Science applications.</li> <li>2) The students will learn to apply combinatorial and graph theoretical concepts to understand Computer Science concepts and apply them to solve problems.</li> </ol>
Core Java	<ol style="list-style-type: none"> <li>1) The students will learn Object oriented programming concepts using Java.</li> <li>2) The students will gain knowledge of input, its processing and obtaining suitable output.</li> </ol>
Web Programming	<ol style="list-style-type: none"> <li>1) Students got the insight of emerging technologies to design and develop state of art web application.</li> <li>2) Students will be able to design valid, well formed, scalable and meaningful pages and understand various platforms, devices and browsers that render websites.</li> </ol>
Database Management Systems	<ol style="list-style-type: none"> <li>1) The students will understand concepts of stored procedure and triggers and its use.</li> <li>2) Understand concepts and implementations of transaction management and crash recovery.</li> </ol>
Physical Computing and IoT Programming	<ol style="list-style-type: none"> <li>1) The course will enable learners to understand System on Chip Architectures.</li> <li>2) The student will learn physical interfaces and electronics</li> </ol>

	of Raspberry Pi and program them during practical sessions.
Theory of Computation	<ol style="list-style-type: none"> <li>1) On completion of the course, students will understand Grammar and Languages.</li> <li>2) Students will learn about Automata theory and its application in Language Design, Turing Machines and Pushdown Automata.</li> </ol>

### S.Y.B.SC (Computer science) Semester-IV

Subject	Outcome
Fundamentals of Algorithms	<ol style="list-style-type: none"> <li>1) The students will understand the concepts of algorithms for designing good program.</li> <li>2) The students will implement algorithms using python.</li> </ol>
Advanced Java	<ol style="list-style-type: none"> <li>1) On completion of the course, students will understand the concepts related to Java Technology.</li> <li>2) The students can explore the use of Java Server Programming.</li> </ol>
Linear Algebra with Python	<ol style="list-style-type: none"> <li>1) Appreciate the relevance of linear algebra in the field of computer science.</li> <li>2) The course will instil a computational thinking while learning linear algebra.</li> </ol>
Android Developer Fundamentals	<ol style="list-style-type: none"> <li>1) The student will understand the requirements of Mobile programming environment.</li> <li>2) Develop working prototypes of working systems for various uses in daily lives.</li> </ol>
Computer Network	<ol style="list-style-type: none"> <li>1) The student can describe the basis and structure of an abstract layered protocol model.</li> <li>2) The students can design and implement data link or network layer protocols within a simulated networking environment.</li> </ol>
Software Engineering	<ol style="list-style-type: none"> <li>1) The student will learn about the analysis and design of complex systems.</li> <li>2) The student will develop the ability to develop, maintain and evaluate Software systems.</li> </ol>
Net Technologies	<ol style="list-style-type: none"> <li>1) On completion of the course, the student will get acquainted with the .NET framework.</li> <li>2) Develop a proficiency in the C# programming language</li> </ol>

### T.Y.B.SC (Computer Science) Semester-V

Subject	Outcome
Web Services	<ol style="list-style-type: none"> <li>1) The course emphasizes on SOAP based web services and associated standards such as WSDL.</li> <li>2) Design SOAP based / RESTful / WCF services Deal with Security and QoS issues of Web Services .</li> </ol>

Software Testing	<ol style="list-style-type: none"> <li>1) The learner will understand various software testing methods and strategies.</li> <li>2) Design SQA activities, SQA strategy, formal technical review report for software quality control and assurance.</li> </ol>
Artificial Intelligence	<ol style="list-style-type: none"> <li>1) The learner will get a clear understanding of AI and different search algorithms used for solving problems.</li> <li>2) The learner should also get acquainted with different learning algorithms and models used in machine learning.</li> </ol>
Information and Network Security	<ol style="list-style-type: none"> <li>1) The students will understand the principles and practices of cryptographic techniques.</li> <li>2) The student will gain knowledge about a variety of generic security threats and vulnerabilities, and identify &amp; analyze particular security problems for a given application.</li> </ol>
Game Programming	<ol style="list-style-type: none"> <li>1) The Students will understand of computer graphics using DirectX and OpenGL.</li> <li>2) The student will gain better understanding of GPU, newer technologies and Programming.</li> </ol>

### T.Y.B.SC (Computer science) Semester-VI

Subject	Outcome
Cloud Computing	<ol style="list-style-type: none"> <li>1) Learner will be able to articulate the main concepts, key technologies, strengths, and limitations of cloud computing and the possible applications for state-of-the-art cloud computing using open source technology.</li> <li>2) Learner will be able to identify the architecture and infrastructure of cloud computing, including SaaS, PaaS, IaaS, public cloud, private cloud, hybrid cloud, etc.</li> </ol>
Information Retrieval	<ol style="list-style-type: none"> <li>1) The Learner will be understand the basics of Information retrieval like what is a corpus, what is precision and recall of an IR system.</li> <li>2) The Learner should understand the data structures like Inverted Indices used in Information retrieval systems.</li> </ol>
Wireless Sensor Networks and Mobile Communication	<ol style="list-style-type: none"> <li>1) Learner will be able to list various applications of wireless sensor networks.</li> <li>2) Learner will be able to describe the concepts, protocols, design, implementation and use of wireless sensor networks</li> </ol>
Data Science	<ol style="list-style-type: none"> <li>1) Students will apply data science concepts and methods to solve problems in real-world contexts and will communicate these solutions effectively.</li> <li>2) Students have multiple strategies for constructing models and can use different measures of model fit and performance to assess models.</li> </ol>
Ethical Hacking	<ol style="list-style-type: none"> <li>1) Learner will learn to identify security vulnerabilities and weaknesses in the target applications.</li> <li>2) The students will know to test and exploit systems using</li> </ol>

	various tools and understand the impact of hacking in real time machines.
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**S.I.E.S (Nerul) College of Arts, Science and Commerce**

**NAAC Re-Accredited A Grade (2<sup>nd</sup> Cycle)**

**INTERNAL QUALITY ASSURANCE CELL**

**PROGRAM OUTCOME, PROGRAMME SECIFIC OUTCOME & COURSE  
OUTCOME (POST GRADUATE COURSES)**

**M.COM (Accountancy)**

**Programme Outcome:**

- 1) The students acquire in-depth knowledge regarding all core areas specifically Advanced Accounting, International Accounting, Management, Security Market Operations and Business Environment, Research Methodology and Tax planning.
- 2) The program imparts the students with higher level knowledge and understanding of contemporary trends in commerce and accountancy.
- 3) The program equips the students to evaluate environmental factors that influence business operation with the conceptual requirements and skills on preparation and interpretation of financial statements.
- 4) The program enable the students to engage in business, accounting and auditing practices, role of regulatory bodies in corporate and financial sectors.
- 5) The program lays a strong foundation for students to undertake independent research in a chosen discipline.

**Programme Specific Outcome:**

- 1) The Student will be able to engage in professional programmes, higher education and advance research like NET/ SET, PhD, MPhil, CA, ICMA and CS.
- 2) The Course will provide over all knowledge about Commerce and in depth knowledge about core subjects of Accountancy and Finance.
- 3) The Students acquire practical skills to work as Tax Consultant, Audit Assistant and other Financial Supporting Services.

**M.COM Semester-1**

<b>Subject</b>	<b>Outcome</b>
Strategic Management	<ol style="list-style-type: none"> <li>2) Completion of the course, the learners will understand new forms of Strategic Management concepts and their use in business.</li> <li>3) The learner will develop learning and analytical skills to enable them to solve cases and to provide strategic solutions.</li> </ol>

Economics for Business Decisions	<ol style="list-style-type: none"> <li>1) On completion of this course, the learner will understand the foundations of microeconomic theories and its practical applications.</li> <li>2) In addition to providing an insight into application of economic principles in business decisions, it also intends to widen analytical ability of the students and to provide them a foundation for further study of economics.</li> </ol>
Cost and Management Accounting	<ol style="list-style-type: none"> <li>1) The subject will enable the learners to understand, develop and apply the techniques of costing in the decision making in the business environment.</li> <li>2) The students will learn to develop, prepare and present the financial report in the business corporate.</li> </ol>
Business Ethics and Corporate Social Responsibility	<ol style="list-style-type: none"> <li>1) This subject will familiarize the learners with the relevance of Business Ethics in the modern era.</li> <li>2) The subject will enable learners to understand the scope and complexity of Corporate Social responsibility in the global and Indian context.</li> </ol>

### **M.COM Semester-II**

<b>Subject</b>	<b>Outcome</b>
Research Methodology for Business	<ol style="list-style-type: none"> <li>1) The course will enhance the abilities of learners to undertake research in business &amp; social sciences.</li> <li>2) The subject will enable the learners in understanding and developing the most appropriate methodology for their research.</li> </ol>
Macro Economics Concepts and Applications	<ol style="list-style-type: none"> <li>1) This course helps the learners to receive a firm grounding on the basic macroeconomic theories that enable them to analyze economic policies.</li> <li>2) The learner studies important macroeconomic tools like IS-LM, Philips curve and international economics.</li> </ol>
Corporate Finance	<ol style="list-style-type: none"> <li>1) This course will enhance the abilities of learners to develop the objectives of Financial Management.</li> <li>2) This course will enable the learners to understand, develop and apply the techniques of investment in the financial decision making in the business corporate.</li> </ol>
E-Commerce	<ol style="list-style-type: none"> <li>1) The subject will provide an analytical framework to understand the emerging world of e-commerce.</li> <li>2) This subject will make the learners familiar with current challenges and issues in e-commerce.</li> </ol>

### **M.COM Semester-III**

<b>Subject</b>	<b>Outcome</b>
Direct Tax	<ol style="list-style-type: none"> <li>1) This subject will acquaint the students with basic principles underlying the provisions of direct and indirect tax laws and to develop a broad understanding</li> </ol>

		<p>of the tax laws and accepted tax practices.</p> <p>2) The students will get an understanding of the relevant provisions of Direct Tax Code.</p>
Advanced Accounting	Financial	<p>1) The course trains students in preparation of financial statements of company by applying provisions of companies Act to relevant accounting standard.</p> <p>2) This subject will make students aware in respect of special accounting requirements of corporate world in respect of internal reconstruction, Amalgamation, Buyback of shares, underwriting of shares and liquidation of companies by applying relevant accounting standards.</p>
Advanced Accounting	Cost	<p>1) The student will know the cost accounting by classification of costs, cost of sales, cost centres, cost unit, profit centre and investment centre, Cost sheet , Total cost &amp; unit cost , reconciliation statement and different costs for different purposes.</p> <p>2) The students understand of procurement Procedures-store procedures &amp; documentation in respect of receipt and issue of stock, stock verification by giving them knowledge about Inventory control- Techniques of fixing of minimum, maximum, &amp; reorder level and Economic Order Quantity.</p>

#### M.COM Semester-IV

Subject	Outcome	
Corporate Accounting	Financial	<p>1) The objective of this course is to introduce problems of financial accounting such as measuring and reporting issues related to assets and liabilities and preparing the financial statements.</p> <p>2) Students are expected to gain the ability of using accounting information as a tool in applying solutions for managerial problems, evaluating the financial performance, and interpreting the financial structure.</p>
Indirect Tax Introduction of Goods and Service Tax		<p>1) On completion of the course, the students will understand the basic concepts related to GST.</p> <p>2) The students will get acquainted with the latest amendments made in connection with indirect taxation.</p>
Financial Management		<p>1) The students will develop critical thinking and problem solving competencies, at both the individual and group levels, of financial statement analysis, financial planning, principles of valuation, capital budgeting, capital structure, and issues in financial policy.</p> <p>2) The students will be able to apply financial theory to analyze real life situations in an uncertain environment with an incomplete data set.</p>

## Department of MSC.CS

### Program Outcome:

- 1) This program will help a learner to apply knowledge of computing and mathematics appropriate to the discipline.
- 2) This program will help a student to identify, formulate, and develop solutions to computational challenges.
- 3) This program will help a student to apply mathematical foundations, algorithmic principles, and computer science theory in the modelling and design of computational systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

### Program Specific Outcome

- 1) This program will help the students to analyze the data and use it for business processes.
- 2) This program will help the students to understand the various technologies that are obtrusively as well as unobtrusively part of human existence.
- 3) This program will help the students to understand the working of social networking and its implications on human life as well as business.

### MSc-CS Semester-I

Subject	Outcome
Analysis of Algorithms and Research Computing	<ol style="list-style-type: none"><li>1) The students will be able to learn various number theoretic algorithms and to develop an understanding of principles of NP-completeness.</li><li>2) To understand basic principles of researching information systems and computing.</li></ol>
Advanced networking concepts	<ol style="list-style-type: none"><li>1) The students will be able to build an understanding of the fundamental concepts of computer networking.</li><li>2) The students will be able to understand the concepts of virtualization and its types</li></ol>
Robotics and Artificial Intelligence	<ol style="list-style-type: none"><li>1) The students will be able to understand &amp; be able to apply a variety of techniques to solve problems in areas such as robot control &amp; navigation</li><li>2) The students will be able to analyse &amp; formalise the problem as a state space, graph, and design heuristics using various algorithms.</li></ol>
Advanced Database Management System	<ol style="list-style-type: none"><li>1) The students will be able to understand the transaction processing in distributed databases and parallel databases.</li><li>2) The students will be able to Implement object Orientated, temporal database and spatial database.</li></ol>



### MSc-CS Semester-II

<b>Subject</b>	<b>Outcome</b>
Construction of Modern Compilers	<ol style="list-style-type: none"><li>1) The students will be able to define the structure of a typical compiler and design and implement lexical analyzer.</li><li>2) The students will be able to Design and construct an automatic parser generator.</li></ol>
Advanced Operating System	<ol style="list-style-type: none"><li>1) The student will be able to understand the key concepts of Linux Operating System.</li><li>2) The student will be able to understand memory management and virtual memory</li></ol>
Cloud Computing-I	<ol style="list-style-type: none"><li>1) The student will be able to understand the difference between REST &amp; SOAP web services</li><li>2) The student will be able to help build complex private cloud with the help of Amazon Web Services (AWS)</li></ol>
Business Intelligence-I	<ol style="list-style-type: none"><li>1) The student will be able to understand the importance of Data analytics in business applications</li><li>2) The student will be able to understand how data is stored and processed before taking business decisions</li></ol>

### MSc-CS Semester-III

<b>Subject</b>	<b>Outcome</b>
Ubiquitous Computing	<ol style="list-style-type: none"><li>1) The student will be able to understand the different aspects related to design and manufacture of smart devices</li><li>2) The student will Learn the various modes of communication used by the smart devices</li></ol>
Social Network Analysis	<ol style="list-style-type: none"><li>1) The student will be able to understand how graph theory helps in understanding and analyzing social networking.</li><li>2) The student will be able to identify social roles and positions, their importance in finding patterns or structure to relationships and similarity between them</li></ol>
Cloud Computing-II	<ol style="list-style-type: none"><li>1) The student will be able to assess the comparative advantages &amp; disadvantages of parallel &amp; distributed computing &amp; virtualisation technology</li><li>2) The student will be able to identify the appropriate cloud services for a given application</li></ol>
Business Intelligence-II	<ol style="list-style-type: none"><li>1) The student will learn to implement various map-reduce</li></ol>

	<p>techniques.</p> <p>2) The student will learn to develop an understanding of different techniques for finding similarities.</p>
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### MSc-CS Semester-IV

Subject	Outcome
Simulation and Modelling Concepts	<p>1) The student will be able to Understand the verification and validation methods of a Data Model</p> <p>2) The student will be able to Understand the design and behaviour of models</p>
Cloud Computing-III	<p>1) The student will be able to understand the cloud computing security &amp; standards</p> <p>2) The student will be able to understand the cost metrics, delivery models &amp; cloud service quality.</p>
Business Intelligence-III	<p>1) The student will be able to examine the types of the data to be mined and present a general classification of tasks and primitives to integrate a data mining system.</p> <p>2) The student will be able to be able to compress large set of features onto a new feature subspace using dimension reduction ability.</p>

### Department of MSC-IT

#### **Program Outcome:**

- 1) The program will enable students to develop ability to design, implement, and evaluate a computational system to meet desired needs within realistic constraints.
- 2) The program will help the learner to analyze impacts of computing on individuals, organizations, and society.
- 3) Recognition of the need for and ability to engage in continuing professional development.
- 4) The students will develop the ability to use appropriate techniques, skills, and tools necessary for computing practice.
- 5) The students of this program will be able to apply design and development principles in the construction of software systems of varying complexity.

### **Program specific Outcome:**

- 1) This program will help the students to understand the implications of cloud computing over traditional architectures.
- 2) The program lays a foundation for learners to analyze and use data for various research and business applications.
- 3) The students will understand the various techniques of artificial intelligence.
- 4) This program will enable students to develop skills to analyze, store and process unstructured data.

### **MSc-IT Semester-1**

<b>Subject</b>	<b>Outcome</b>
Soft Computing	<ol style="list-style-type: none"><li>1) On completion of the course, the learner will understand basics of Soft Computing.</li><li>2) The learner will understand concepts of fuzzy system.</li></ol>
Data science	<ol style="list-style-type: none"><li>1) The students will learn to apply quantitative modelling and data analysis techniques to the solution of real world business problems, communicate findings, and effectively present results using data visualization techniques.</li><li>2) The students will recognize and analyze ethical issues in business related to intellectual property, data security, integrity, and privacy.</li></ol>
Cloud Computing	<ol style="list-style-type: none"><li>1) The students will understand the basics of cloud computing, Key concepts of virtualization. Apply and design suitable Virtualization concept.</li><li>2) The students will learn to analyze the Cloud computing setup applications using different with its vulnerabilities and architecture or different Cloud Computing services.</li></ol>
Research in Computing	<ol style="list-style-type: none"><li>1) The students will develop the skills to solve real world problems with scientific approach and scientific methods.</li><li>2) The students will be able to recognize, understand and apply the language, theory and models in the field of business analytics.</li></ol>

### **MSc-IT Sem-2**

<b>Subject</b>	<b>Outcome</b>
Big Data Analytics	<ol style="list-style-type: none"><li>1) The students will understand the key issues in big data management and its associated applications in intelligent business and scientific computing.</li><li>2) The learner will develop adequate perspectives of big data analytics in various applications like recommender systems, social media applications, etc</li></ol>
Modern Networking	<ol style="list-style-type: none"><li>1) On completion of the course, the students will be able to demonstrate in-depth knowledge in the area of Computer</li></ol>

	<p>Networking.</p> <p>2) The students will be able to perform experiments to analyze the identified research work in building computer networks.</p>
Micro services Architecture	<p>1) The students will be able to create MVC Models and write code that implements business logic within Model methods, properties, and events.</p> <p>2) The students will be able to gain a thorough understanding of the philosophy and architecture of .NET Core.</p>
Digital Image Processing	<p>1) The students will be able to understand the relevant aspects of digital image representation and their practical implications.</p> <p>2) Have an understanding of the underlying mechanisms of image compression, and the ability to design systems using standard algorithms to meet design specifications.</p>

### MSc-IT Semester-3

Subject	Outcome
Ethical Hacking	<p>1) The students will understand the various attacks carried out on cyber security.</p> <p>2) The course will enable students to develop policies for security management and mitigate security related risks in the organization.</p>
Virtualization	<p>1) The students will learn the key concepts of virtualization &amp; different types of Hypervisors used in virtualization along with implementation.</p> <p>2) The students will develop an understanding the uses of virtual server consolidation, planning for development and selecting server virtualization platform.</p>
Embedded System	<p>1) The students will understand basic electronics component.</p> <p>2) The subject will give knowledge about design containing hardware and software.</p>
Information Security Management	<p>1) The students will understand various risk assessment &amp; risk management processes.</p> <p>2) The students will develop a basic understanding of information security auditing principles and business continuity planning.</p>

### MSc-IT Sem-4

Cloud Management	<p>1) The students will understand the various problems and solutions to failure of a cloud management system.</p> <p>2) The students will understand the different types of network storage solutions used on Cloud.</p>
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Artificial Intelligence	<ol style="list-style-type: none"> <li>1) The students will understand the Artificial Intelligence and their components, logic and computation, heuristic search.</li> <li>2) The subject will help to build an understanding about knowledge representation and automated reasoning.</li> </ol>
IT Infrastructure Management	<ol style="list-style-type: none"> <li>1) Understanding the key principles of IT infrastructure management, its service strategy and lifecycle.</li> <li>2) The subject will help to understand the objectives and functions of service operation management in various domains.</li> </ol>
Real Time Embedded System	<ol style="list-style-type: none"> <li>1) The learners will understand the basic concepts and fundamental components of real time embedded system.</li> <li>2) The subject deals with the basic concepts and design of memory management requirements for real-time embedded system.</li> </ol>

### **Department of MSC.EVS**

#### **Programme Outcome:**

- 1) The program lays the foundation for students to specialize in different areas like conservation, ecology, biology and environmental chemistry.
- 2) The program prepares students with the latest knowledge about Impact Assessments.
- 3) The program enables students to develop a strong foundation in Environmental Sciences so that they are eligible for various positions in educational institution, Industry, governmental and non-governmental organizations.
- 4) The program makes the students ready for research and promoting them for higher studies.

#### **Programme Specific Outcome:**

- 1) On completion of the program, the students will get a deeper understanding of selected contemporary issues in environmental science.
- 2) The students will develop skills in planning, conducting a project specifically related to environmental science.
- 3) The students develop an ability to use their chosen area of expertise to contribute to addressing broader environmental issues.

### **M.SC.EVS Semester-1**

<b>Subject</b>	<b>Outcome</b>
Ecology and Ecosystem	<ol style="list-style-type: none"> <li>1) On completion of the course, the students will understand the principle and scope of ecology.</li> <li>2) The Students will be able to understand different types of ecology and types of interactions in ecosystem.</li> </ol>

Biodiversity	<ol style="list-style-type: none"> <li>1) The Students will be able to understand the issues related to biodiversity and its conservation.</li> <li>2) The students will learn about biodiversity concept, components, biodiversity, evaluation, convention, acts and conservation.</li> </ol>
Environment and Natural Resources	<ol style="list-style-type: none"> <li>1) On completion of the course, students will be able to understand overall concept and role of an individual in conservation of Natural Resources.</li> <li>2) The students will understand relationships between man, earth, environment, mass and energy transfer.</li> </ol>
Environmental Pollution	<ol style="list-style-type: none"> <li>1) On completion of the course, Students will be able to acquire knowledge about various sources and causes of pollution.</li> <li>2) The students will learn about types of environmental pollution, its effects and consequences.</li> </ol>

### **M.SC.EVS Semester-II**

<b>Subject</b>	<b>Outcome</b>
Environmental Monitoring and Assessment	<ol style="list-style-type: none"> <li>1) The Students will be able to understand the importance of environmental monitoring.</li> <li>2) The Students can understand the principles and applications of remote sensing and GIS.</li> </ol>
Pollution Control Technology	<ol style="list-style-type: none"> <li>1) On completion of the course, the Student will understand about various steps involved in treatment of drinking water.</li> <li>2) The Student can gain knowledge about pollution control technologies and methods to control pollution.</li> </ol>
Green Technology	<ol style="list-style-type: none"> <li>1) The Students can understand about the concept, principle and tools of green technology.</li> <li>2) Student will be able to understand nano-materials, its uses and its effects on the ecosystem.</li> </ol>
Environmental Policies and Regulations	<ol style="list-style-type: none"> <li>1) The student can think about major environmental acts and regulations.</li> <li>2) The student can gain knowledge on environmental movements in India and international agreements.</li> </ol>

### **M.SC.EVS Semester-III**

<b>Subject</b>	<b>Outcome</b>
Advanced Pollution Control Technology	<ol style="list-style-type: none"> <li>1) The Student will be able to understand water and waste water Pollution Control aspects.</li> <li>2) The Student will be able to understand the concept of Hazardous, Radioactive, Biomedical and Electronic</li> </ol>

	waste management.
Instrumentation and Biostatistics	<ol style="list-style-type: none"> <li>1) The Students will be able to gain knowledge about environmental monitoring, instrumental methods used in environmental analysis.</li> <li>2) The Students will be able to understand about Statistical aspects.</li> </ol>
Environmental Toxicology	<ol style="list-style-type: none"> <li>1) On completion of the course, the learner will be able to understand the fundamental concepts of Eco-toxicology and pressure of ecological factors on the effect of toxicity.</li> <li>2) The Student can gain information about dose response relationship and principles of toxicology.</li> </ol>
Industrial Hygiene and Chemical Safety	<ol style="list-style-type: none"> <li>1) The Students will be able understand about the significance and principles of industrial safety and safety information.</li> <li>2) The Student will be able to gain knowledge about various kinds of occupational diseases and personal protective equipments used for safety in industries.</li> </ol>

#### **M.SC.EVS Semester-IV**

<b>Subject</b>	<b>Outcome</b>
Ecotechnology	<ol style="list-style-type: none"> <li>1) The students will understand the application of Ecotechnology, phytosanitation, green inhibitors, climate change mitigation, carbon sequestration, and restoration ecology and remediation technology.</li> <li>2) The Student will be able to understand the overall concept of Ecotechnology.</li> </ol>
Environmental Biotechnology and Nanotechnology	<ol style="list-style-type: none"> <li>1) The Students will be able to understand the scope, role and recent status of biotechnology and Nanotechnology.</li> <li>2) The students will understand the application of Nanotechnology in agriculture and food industry.</li> </ol>
Sustainable Management	<ol style="list-style-type: none"> <li>1) The students will understand the basic concept of sustainable development, business strategies and sustainability.</li> <li>2) The students will learn about urban development and sustainability in practice.</li> </ol>
Environmental Management	<ol style="list-style-type: none"> <li>1) The Student will gain knowledge on concepts and principles of EIA and EIA notification, 2006.</li> <li>2) The Student will gain knowledge about various tools involved in environmental management.</li> </ol>