

**B.B.A.- BACHELOR OF BUSINESS ADMINISTRATION**  
**(Program Outcomes & Course Outcome)**

**PROGRAMME OBJECTIVES:**

- To provide knowledge regarding the basic concepts, principles and functions of management.
- To develop business and entrepreneurial aptitude among the students.
- Identify and analyze relevant factors that influence decision-making in business.
- Develop viable alternatives and make effective decisions in an international business context.
- Effectively address important international and multicultural issues that impact business.

**PROGRAMME OUTCOMES:**

- Have a broad body of knowledge in business management concepts, current practices in a global business environment and emerging technologies to support, sustain and innovate business.
- Attain problem solving, decision making and critical thinking skills to provide viable solutions for business problems.
- Appreciate diversity to communicate effectively in international and cross-cultural contexts, and facilitate collaborative professional partnerships.
- Have the ability to work and collaborate as a team member and contribute to achieve team goals.
- Recognize, explain and illustrate the importance of ethical conduct and resolve
- Ethical issues in business.

**PROGRAMME SPECIFIC OUTCOMES:**

- Acquire adequate knowledge through principles, theory and models of business management, Accounting, Marketing, Finance and Human Resource.
- Demonstrate proficiency for Business Communication for effective and professional business management.
- Analyze and comprehend the applicability of management principles in solving complex business issues.
- Develop entrepreneurial skills to become an entrepreneur.
- Comprehend the applicability of management principles in the situations pertaining to global business world.



**First Year**

**FIRST ALLIED COURSE- I**

**Semester-I**

**MANAGERIAL ECONOMICS**

**Code: 22BFACBB1 (Theory)**

**Credit: 2**

**OBJECTIVES:**

- To understand the application of managerial economics in managerial decision making analysis.
- To stress the need and relevance of studying Economical analysis at the postgraduate Level.
- To identify the market structure and price determination at different market conditions.

**COURSE OUTCOMES:**

- Apply the objectives of business firms, demand analysis and elasticity of demand.
- Identify the effective applications of factors of production.
- Analyze the break-even point in their business.
- Understand the determination of the Price, Market structure and competition.
- Evaluate the performance of public sector in India.

**First Year**

**CORE COURSE- III**

**Semester-II**

**MARKETING MANAGEMENT**

**Code: 22BCCBB3 (Theory)**

**Credit: 2**

**COURSE OBJECTIVES:**

- To expose students to marketing concepts and trends in the market.
- To promote the ability to relate consumer behavior and market trends
- To make students realize the relationship between marketing channels and corresponding strategies.

**COURSE OUTCOME:**

- Students gain knowledge about the basic concepts of marketing
- Students develop skills to tackle the challenges and latest development in Marketing Management
- Awareness of buyer's behavior becomes better among students
- Students gain the Practical Knowledge to sell the goods.

**First Year**

**CORE COURSE- IV**

**Semester-II**

**Code: 22BCCBB4 (Theory)**

**Credit: 2**

**BUSINESS MATHEMATICS AND STATISTICS**

**OBJECTIVES:**

- To make students understand and the basic mathematical and statistical tools
- To promote the ability to appropriate statistical techniques in business
- To help students analyze management problems in research and decision making.

**COURSE OUTCOMES:**

- At the end of this course students will be able to...
- Understand how differentiations are used as mathematical tools in Business.
- Understand how matrices and determinants are used as mathematical tools in Business.
- Able to use the appropriate statistical techniques in Business
- Able to develop a strategic approach to organize and analyze the data
- Analyze the management problems in research and decision making.

**First Year FIRST ALLIED COURSE- II Semester-II****BUSINESS ENVIRONMENT****Code: 22BFACBB2****OBJECTIVES:**

- To promote basic understanding of the concepts of business environment.
- To provide broad knowledge on domestic and international environment
- To make learners the impact of environment on business.
- To understand the different environment in the business climate
- To know the minor and major factors affecting the business in various streams
- To know the different environment like, political, technological and economic environment in the business

**COURSE OUTCOME:**

- Develop an understanding on the gamut of the business activities.
- To analyze various categories that constitute the business environment and apply various approaches that is helpful to manage both the internal and external environment of the business.
- To apply the various types of policies in the economic environment, applying these policies change the structure of the economy and the transition there of from the past to the present scenario.
- Comprehend the environmental factors that are conducive /detrimental to the respective businesses
- Facilitating the learners understand, analyze and take decisions for a given international business environment.

**Second Year****CORE COURSE - V  
MANAGERIAL COMMUNICATION****Semester-III****Code: 22BCCBB5 (Theory)****Credit: 2**

**COURSE OBJECTIVES:**

- To understand the techniques and skills of communication
- To define the principles of effective communication.
- To analyze the essentials of good report writing.

**COURSE OUTCOMES:**

- At the end of the course the student will be able to:
- The students will be aware of their communication skills and know their potential to become successful managers.
- The students will get enabled with the mechanics of writing and can compose the business letters in English precisely and effectively.
- Students will get exposure in drafting business proposals to meet the challenges of competitive environment.
- The students will be introduced to the managerial communication practices in business those are in vogue.
- Students will get trained in the art of Interpersonal communication and technological advancement and social media usage in communications, with emphasis on analysing business situations.

**Second Year****CORE COURSE - VI  
COMPUTER APPLICATIONS IN BUSINESS****Semester-III****Code: 22BCCBB6 (Theory)****Credit: 2****COURSE OBJECTIVES:**

- To enable students to understand the basic concepts in computer applications
- To give in-depth knowledge of documentation through MS Office packages
- To help them apply various accounting procedures through TALLY software.

**COURSE OUTCOMES:**

- Students gain the knowledge of computers
- Students developed skills in MS Office
- They get acquainted skills in Tally for business functions.
- Student known about the GST
- Students gain the Practical Knowledge in MS Office, Tally and GST applications



**Second Year    NON MAJOR ELECTIVE COURSE - I    Semester – III**  
**2. INVESTMENT MANAGEMENT**

**COURSE OBJECTIVES:**

- To enable students to understand the nuances of stock market operations and understand the techniques involved in purchase or sale of securities.
- Develop the portfolio and make the investment decision
- This course aims to help students develop a broad knowledge and understanding of portfolio management and investment analysis.

**COURSE OUTCOMES:**

- At end of the course, the students will be able to:
- Understand the various alternatives available for investment.
- Learn to measure risk and return.
- Gain knowledge of the various strategies, followed by investment practitioners.
- Understand the characteristics of different financial assets such as money market instruments, bonds, and stocks, and how to buy and sell these assets in financial markets.
- Critically discuss client objectives and the investment policy statement

<b>Second Year</b>	<b>CORE COURSE - VII ORGANIZATIONAL BEHAVIOUR</b>	<b>Semester-IV</b>
<b>Code: 22BCCBB7</b>	<b>(Theory)</b>	<b>Credit: 2</b>

**COURSE OBJECTIVES:**

- To provide basic knowledge on various models of organizational behavior
- To expose them to the concepts of motivation and group dynamics
- To help them acquire interpersonal skills.

**COURSE OUTCOMES:**

- On the successful completion of the course, student will be able to
- Have an insight on how employees behave and perform in the workplace
- Analyze the individual and group behavior and understand the implications of organizational behavior on the process of management.
- Understand their own behavior, attitude, ethical views and performance as well as those of the people with whom they behave.
- Demonstrate how to make better decisions both as an individual and in a group
- Apply different motivational theories and methods to increase the productivity and job satisfaction of employees.

**Second Year    CORE PRACTICAL-I    Semester-IV**

**COMPUTER APPLICATION IN BUSINESS**

**Code: 22BCCBB1P (Theory)**

**Credit: 2**

**COURSE OBJECTIVES:**

- To gain practical knowledge in computer applications
- To give in-depth knowledge of documentation through MS Office packages
- To help them apply various accounting procedures through TALLY software.

**Second Year**

**SECOND ALLIED COURSE - II  
OPERATIONS RESEARCH**

**Semester-IV**

**Code: 22BSACBB2 (Theory)**

**Credit: 2**

**COURSE OBJECTIVES:**

- To help students
- To understand the Business methods used in Operations Research
- To allocate limited resources with optimum utilization in production and gain knowledge on replacement decisions.

**COURSE OUTCOMES:**

- At the end of this course students will be able to...
- Formulate and obtain the optimal solution for Linear Programming problems.
- Determine the optimal solution for Transportation problems.
- Determine the optimal solution for Assignment problems.
- Understand the need of inventory control and Management
- Decide an optimal replacement decision for given equipment.

**Second Year**

**NON MAJOR ELECTIVE COURSE - II  
1. BUSINESS ETHICS**

**Semester-IV**

**COURSE OBJECTIVES:**

- To understand the concept of Ethical value
- Analyze the ethical issues involved in business
- The best way to manage ethical conduct in business

**COURSE OUTCOME:**

- To outline the significance of ethics in business.
- To know the culture of organisation
- To appreciate the best ethical practices in every actions of organization
- To recognize the importance of Corporate Social Responsibility.



- Students can the understand the unethical issues in the environment

**Second Year**

**NON MAJOR ELECTIVE COURSE - II**

**Semester-IV**

**2. PRODUCTION AND MATERIALS  
MANAGEMENT**

**COURSE OBJECTIVES:**

- To develop an understanding of how the operations, have strategic importance and can provide a competitive advantage in the workplace.
- To understand the relationship between operations and other business functions.
- To understand the Materials Management function starting from Demand Management through Inventory Management.

**COURSE OUTCOMES:**

- Identify the elements of operations management and various transformation processes to enhance productivity and competitiveness.
- Analyze and evaluate various facility alternatives and their capacity decisions, develop a balanced line of production & scheduling and sequencing techniques in operation environments
- Develop aggregate capacity plans and MPS in operation environments.
- Plan and implement suitable materials handling principles and practices in the operations.
- Plan and implement suitable quality control measures in Quality Circles to TQM

**Third Year**

**CORE COURSE- VIII  
COST ACCOUNTING  
(Theory)**

**Semester-V**

**Code: 22BCCBB8**

**Credit: 2**

**COURSE OBJECTIVES:**

- To enable students
- To understand the basic concepts of cost accounting,
- To gain knowledge on principles and procedures of cost accounting and
- To apply the costing techniques in different practical situations.

**COURSE OUTCOMES:**

- Understanding the concept of cost accounting, Recognize the merits and demerits of cost accounting along with the elements of cost concepts.
- Describe the cost sheets for the purpose of stores control through economic order quantity, pricing and material issues.
- Measure the cost in various types of costing followed by various organization.
- Plan, design and execute practical activities using techniques and procedures appropriate to cost accounting.
- Respond to change within the external and internal business environments and its effect on cost accounting.

**Third Year**

**CORE COURSE- IX  
FINANCIAL MANAGEMENT  
(Theory)**

**Semester-V**

**Code: 22BCCBB9**

**Credit: 2**

**COURSE OBJECTIVES:**

- To expose learners to various concepts and principles of financial management.
- To develop in them decision making skills on various financial matters.
- To acquaint them with various tools for the management and understanding of finance.

**COURSE OUTCOMES:**

- On Completion of this course students will be able to :
- Demonstrate and understand the overall role and importance of Financial Functions.
- Demonstrate Basic Financial Management Knowledge.
- Communicates effectively using standard Business terminology.
- Utilize information to maximize and manage finance.
- Demonstrate a basic understanding of Budgeting

**Third Year**                      **CORE COURSE- X**  
**COMPANY LAW AND PRACTICE**  
**Code: 22BCCBB10 (Theory)**

**Semester-V**  
**Credit: 2**

**COURSE OBJECTIVES:**

- To understand the concept of company law, formation of company and other activities of the company.
- To know the procedure conducting meetings and role of directors.
- To understand the process of winding up and dissolution.

**COURSE OUTCOMES:**

- Develop the knowledge about the procedure for formation of company.
- Identify the role and responsibilities of shareholders in a company.
- Understand the importance of meeting in a company.
- Analyse the consequences of winding up.
- Develop their reasoning abilities towards the business law.

**Third Year**                      **CORE COURSE- XI**  
**RESEARCH METHODS FOR BUSINESS**  
**Code: 22BCCBB11 (Theory)**

**Semester-V**  
**Credit: 2**

**COURSE OBJECTIVES:**

- To help students
- To comprehend the theoretical concepts and research logic.
- To familiarized with the various stages of the research work.
- To gain knowledge about the formulation of business research projects.

**COURSE OUTCOMES:**

- To solve the problem by following proper research procedures.
- To prepare a research paper or any other type of research work.
- To deliberately ignoring research errors in order to submit precise and reliable work.
- To assess the validity and reliability of a study's overall findings
- To create documentation through high-quality writing.

**Third Year**

**MAJOR BASED ELECTIVE COURSE- I  
1. STRATEGIC MANAGEMENT**

**Semester-V**

**Code: 22BMBEBB1 (Theory)**

**Credit: 2**

**COURSE OBJECTIVES:**

- To expose students to various perspectives and concepts in the field of Strategic Management
- The course would enable the students to understand the principles of strategy formulation, implementation and control in organizations.
- To help students develop skills for applying these concepts to the solution of business problems

**COURSE OUTCOMES:**

- Upon completion of this course, students should be able to:
- Establish and evaluate mission statement, long term objective, vision, and short term plan for the business;
- Analyze the external and internal environment and identify opportunities, threats, strengths, and weaknesses of the firm and thereby formulate appropriate strategies for business;
- Plan pre-implementation and implementation phase; and
- Monitor and evaluate implemented strategies.
- Students will be able to develop their capacity to think and execute strategically

**Third Year**

**MAJOR BASED ELECTIVE COURSE- I  
2. SUPPLY CHAIN MANAGEMENT**

**Semester-V**

**Code: 22BMBEBB2 (Theory)**

**Credit: 2**

**COURSE OBJECTIVES:**

- To provide an insight on the fundamentals of supply chain networks, tools and techniques.
- To provide an in-depth coverage of management issues, challenges and practices in different subsystems of Supply Chain Management and their inter-relationships.
- To expose students to the state of the art developments in Management concepts and techniques and Information Technology Relevant for effective and efficient Supply chain Management.

**COURSE OUTCOMES:**

- The student would understand the framework and scope of supply chain networks and functions.
- Gain overall knowledge about the modern business practices of Supply Chain Management and its emerging trends and best practices at global level.
- Know and understand the basic concepts, principles, functions and models of various components of Supply Chain Management.
- Understand and analyze the operations and logistics management through IT – Internet

andweb.

- Apply supply chain strategies in various functions of production and logistics management in all throughout the process.

<b>Third Year</b>	<b>SKILL BASED ELECTIVE COURSE- I</b>	<b>Semester-V</b>
	<b>SERVICES MARKETING</b>	
<b>Code: 22BSBEBB1</b>	<b>(Theory)</b>	<b>Credit: 2</b>

**COURSE OBJECTIVES:**

- To enable students
- Know the various concepts of services marketing
- Understand the strategies for managing and marketing of services and
- Devise strategies for marketing services in the liberalized business environment.

**COURSE OUTCOME:**

- Students gain knowledge about the basic concepts of Services marketing
- Students develop skills to tackle the challenges in Marketing Mix
- To know the Strategy followed in the products
- Students know about the promotion mix, pricing decision.
- Students gain the Practical Knowledge about the market activities.

<b>Third Year</b>	<b>CORE COURSE- XII</b>	<b>Semester-VI</b>
	<b>HUMAN RESOURCE MANAGEMENT</b>	
<b>Code: 22BCCBB12</b>	<b>(Theory)</b>	<b>Credit:</b>

**COURSE OBJECTIVES:**

- To help students understand of the basic elements of HRM gain knowledge on various facets, the policies and practices of HRM and acquire knowledge on the recent trends in HRM.
- To impart knowledge in management and to provide basic conceptual skills and aptitude in the primary business activities so as to enable the aspiring students to exploit the business related opportunities.
- The functions, systems, policies and applications of Human Resource Management in organizations.
- An overview of theoretical foundations of key areas associated with HR development in the organizations,
- HR skills and their ability to assess the constraints and opportunities associated with managing employees in different socio-economic and political context.

**COURSE OUTCOMES:**

- The Students are able to exhibit fundamental and basic knowledge of Human Resource Management to solve the practical problems in business in systematic manner.
- The Students are able to identify and develop strategies for better practices for betterment

of business in the most ethical manner.

- The Students are able to communicate effectively in the organization with confidence and contribute to exchange of ideas, skills and enhance learn ability within the organization.
- The Students will exhibit healthy and self-sustainable leadership and entrepreneur qualities that encourages taking decisions on the basis of calculated risk and enhance the competitive advantage of the organization.
- To gain knowledge HRM and its significance in business.

**Third Year                      CORE COURSE- XIII                      Semester-VI**  
**MANAGEMENT ACCOUNTING**  
**Code: 22BCCBB12 (Theory)                      Credit: 5**

**COURSE OBJECTIVES:**

- Understand the nature and scope of management accounting.
- Gain knowledge in the preparation of financial statement analysis, marginal costing budget, working capital, standard costing and
- Utilize the management tools and techniques to take appropriate financial decisions.

**COURSE OUTCOMES:**

- On Completion of this course students will be able to :
- Measure the financial statements through comparative and common size by using various financial ratios.
- Simplify the fund flow and cash flow statements by calculating funds and cash from operations.
- Produce various budgets and apply standard costing for material variances; marginal costing for cost volume profit.
- Provides a framework that translates the aims and objectives of the business into a series of key performance measures and targets.
- How the business or the corporations will establish and manage the process and the various techniques and methods to manage the business in a more effective and efficient manner

**Third Year                      CORE COURSE- XIV                      Semester-VI**  
**ENTREPRENEURIAL DEVELOPMENT**  
**Code: 22BCCBB14 (Theory)                      Credit:**

**COURSE OBJECTIVES:**

- To help students
- Understand the concepts of entrepreneurship development
- Acquire requisite knowledge and skills for becoming successful entrepreneurs and
- Formulate and develop business projects.

**COURSE OUTCOME:**

- On the successful completion of the course, student will be able to
- Examine the problems and challenges of setting up a new business
- Provide information on institutional support, business opportunities and creating a new businessplan
- Identify the key steps required to initiate and develop a business enterprise
- Discriminate the benefits of delivering the project identification and selecting the successful project with the various guidelines issued by the authorities
- Motivate the students to become a successful entrepreneur

**Third Year**

**MAJOR BASED ELECTIVE COURSE- II  
1. CUSTOMER RELATIONSHIP  
MANAGEMENT**

**Semester-VI**

**Code:22BMBEBB3**

**(Theory)**

**Credit: 5**

**COURSE OBJECTIVES:**

- To understand the importance and dynamics of CRM
- To know about customer satisfaction, customer retention and customer identification.
- To train-up use of technological tools in CRM

**COURSE OUTCOMES:**

- On successful completion of this course, the students will be able:
- To be aware of the nuances of customer relationship.
- To analyze the CRM link with the other aspects of marketing.
- To impart the basic knowledge of the Role of CRM in increasing the sales of the company.
- To make the students aware of the different CRM models in service industry.
- To make the students aware and analyze the different issues in CRM.

**Third Year**

**MAJOR BASED ELECTIVE COURSE- II  
2. BANKING LAW AND PRACTICE**

**Semester-VI**

**Code: 22BMBEBB4 (Theory)**

**Credit:**

**COURSE OBJECTIVES:**

- To promote an understanding of the basic concepts in banking.
- To acquaint learners with the theoretical and legal concepts of banking in India.
- To help them to attain the competencies required for a career in banking services.

**COURSE OUTCOMES:**

- Demonstrate knowledge among the students with theoretical structures about banking.
- Train and equip the students with the skills of modern banking.
- Identify the students will be taken for trainings to banks

- To provide the student an understanding of legal and regulatory aspects of banking.
- Develop skills in Banking Regulations Act and gain practical exposure in the fields of Banking, Finance and Corporate Sector.

### **Third Year PROJECT Semester-VI**

**Code: 22BBBPW Credit: 3**

The candidate shall be required to take up a Project Work by group or individual and submit it at the end of the final year. The Head of the Department shall assign the Guide who, in turn, will suggest the Project Work to the students in the beginning of the final year. A copy of the Project Report will be submitted to the University through the Head of the Department on or before the date fixed by the University.

The Project will be evaluated by an internal and an external examiner nominated by the University. The candidate concerned will have to defend his/her Project through a Viva-voce.



**Third Year**

**SKILL BASED ELECTIVE COURSE- II  
TOTAL QUALITY MANAGEMENT**

**Semester-VI**

**Code: 22BSBEBB2 (Theory)**

**Credit: 2**

**COURSE OBJECTIVES:**

- To get familiarized with the basic concept and framework of Total Quality management
- To Understand the contribution of Quality Gurus in TQM Journey
- To grasp the nature and importance of various components that constitute TQM

**COURSE OUTCOMES:**

- The student would be able to apply the tools and techniques of quality management to manufacturing and services processes.
- To realize the importance of significance of quality
- Manage quality improvement teams
- Identify requirements of quality improvement programs
- The student manager will be able to explain the concept of Six Sigma its DMAIC process.

**M.COM. - FINANCIAL MANAGEMENT**  
**(Program Outcomes & Course Outcome)**

**PROGRAMME OUTCOMES**

- PG Graduates are Professionally Competent with characteristic Knowledge-bank, Skillset, Mind-set and Pragmatic Wisdom in their chosen fields.
- PG Graduates demonstrate the desired sense of being Seasoned and exhibit unequivocal Spiritedness with excellent qualities of productive contribution to society and nation in the arena Science and Technology.
- PG Graduates are mentored such that they exert Leadership Latitude in their chosen fields with commitment to novelty and distinction.
- PG Graduates are directed in understanding of ethical principles and responsibilities, moral and social values in day-to-day life thereby attaining Cultural and Civilized personality.
- PG Graduates are able to Collate information from different kinds of sources and gain a coherent understanding of the subject.

**PROGRAM SPECIFIC OUTCOMES:**

- Demonstrate a general knowledge framework and understanding of key financial functions
- Get In-depth Knowledge and understanding of financial management of domestic and multinational corporate
- Identify, appraise and appreciate successful implementation of business projects
- Effective argumentation in oral and written presentation
- Analyse the trend of the securities market using sophisticated techniques
- Offer comprehensive solutions to business problems by evaluating information using reasoning and analysis
  - Consider the multinational perspective in arriving solutions in the present globalised context
  - Integrate the social and ethical dimensions in arriving the final solution

**SEMESTER I**

**P22FMCC11 Managerial Economics**

**COURSE OBJECTIVES:**

- To make the students to realize the usefulness of economic tools, principles & laws in making business decisions.
- To offer expertise & knowledge on the application of economic theories. Allocate resources in various
- Economic situations for effective capacity utilization.
- Analyse markets and its strategy.
- Understand about various market forms, pricing methods and objectives.

**COURSE OUTCOMES:**

The students, after completing this course, would be able to

- Understand the methods of Managerial Economics & Theory of the firm.
- Understand the concept & Analysis of Demand Forecasting.
- Understand the concept & Analysis of Production function.
- Describe various market forms and pricing Methods with their objectives.
- Analyze the resource allocation in various economic levels for effective capacity utilization.
- Evaluate various market Structure, Strategy and Economic Forecasting

**P22FMCC12 Financial Services**

**COURSE OBJECTIVES:**

- This course aims to describe and apply financial concepts theories.
- Tools relating to financial markets and financial institutions.
- Highlight the developments and weaknesses of the financial system in India.
- To understand the various levels of financial functions.
- To describe the skills of successful managers.

**COURSE OUTCOMES:**

- The students, after completing this course, would be able to
- Understand the role, scope and growing contribution of financial services in the service sector of the economy.
- Critically examine the position of Indian Financial System.
- Understand the procedure and guidelines for new issue.
- Comprehend the recent developments in the secondary market.
- Start the business by utilizing the appropriate financial services.
- Analyze the new issues made in the equity and debt.

**P22FMCC13 Advanced Financial Management****COURSE OBJECTIVE:**

- To enable the students to understand the concepts and application of financial management tools.
- Understand the fundamentals of financial decision making.
- Understand the cost of capital in wide aspects & risk return relationship.
- Elicit knowledge on the theories of Capital Structure and Dividend.
- Impart knowledge on working capital management

**COURSE OUTCOMES:**

The students, after completing this course, would be able to

- Formulate finance Decisions Considering Risk and Return.
- Identify and discuss long term and short-term sources of finance.
- Compute the cost of debt, Equity, Preference, retain earnings and overall cost of Capital.
- Apply the concept of leverage in financial decision making.
- Design an Optimal capital Structure of the firm, understanding theories of capital structure and dividend.
- Evaluate the concept of Working Capital Management.

**P22FMCC1A E – Commerce****COURSE OBJECTIVES:**

- To make the students understand the elements and uses of E Commerce.
- To learn Architectural Frame work for E.Commerce and Electronic Payment Systems
- To know about Electronic Data Interchange and Supply Chain Management
- To study Marketing on the Internet and Data Interface
- To aware Multimedia and Digital Video and Wireless Delivery Technology

**COURSEOUTCOMES:**

The students, after completing this course, would be able to

- Elements and uses of E Commerce.
- Frame work for E. Commerce and Electronic Payment Systems

- Electronic Data Interchange and Supply Chain Management
- Marketing on the Internet and Data Interface
- Multimedia and Digital Video and Wireless Delivery Technology

### **P22FMCC1B** Management Concepts

#### **COURSE OBJECTIVES:**

- To understand the nature and scope of management.
- To understand the different functions of management.
- To know the difference between management and administration.
- To understand various levels of management.
- To describe the various skills that are necessary for successful managers.

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Understand the historical backdrop and fundamentals of Management thoughts vital for understanding the
- conceptual frame work of Management as a discipline.
- Know various concepts of planning, Decision making and controlling to help solving managerial problems.
- Get Knowledge on motivation theories.
- Comprehend the theories of management & evolution of management thought.
- Run the business effectively by applying the management theories.
- Act as an effective manager by applying the controlling techniques.

### **P22FME1A** Investment Management

#### **COURSE OBJECTIVES:**

- To Understand the techniques involved in deciding upon the purchase or sale of securities.
- To enables the student to understand the nuances of stock market operations.
- To provide basic knowledge on security analysis and stock selection.
- To give a better idea about the security market and its regulators.
- To make the student familiar with basic assumptions and theories of portfolio management.

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Understanding the chronological environment of Investment Management thoughts.
- Know various concepts of New Issue Market
- Get knowledge of security analysis, approaches and Investment theory
- Comprehend the theories of investment management & evolution portfolio analysis.
- Learn to investment companies and mutual funds in India

### **P22FME1B** E-Banking

#### **COURSE OBJECTIVES:**

- Electronic and internet banking systems and operations of Electronic fund transfers
- Electronic finance and banking across borders
- Dynamic forms of international financial integration
- Contribution of electronic financial globalization.

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Understand about traditional banking vs E-banking and significance of E- Banking
- Get knowledge of online banking and its electronic delivery channels.
- Know the basics of commercial banking and how to go on net for online banking.
- Gain complete knowledge of E- Banking securing and E-Builders solutions.
- Get acquainted in secure electronic transaction.

### **P22FMVAC1 Digital Payment System**

#### **COURSE OBJECTIVES:**

- To make the student understand the digital payment system.
- To provide better knowledge on digital payments.
- To make students capable to perform digital payments.
- To know how to do digital transactions and payments.
- To provide updated knowledge on digital payments.

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Understand about digital payment system
- Know how the digital payment system works.
- Perform financial transactions using digital payment network.
- Take security and privacy precautions while conducting transactions through digital payment system.
- Understand the innovative components of digital payment system and fintech applications.

## **SEMESTER II**

### **P22FMCC21 Research Methodology**

#### **COURSE OBJECTIVES:**

- To make the students understand the research process
- To identify the problem and formulation of hypothesis
- To impart knowledge for enabling students to develop data analytics
- To organize and conduct statistical data
- To prepare a research report

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Learning the meaning of research, and its types.
- Developing research design and acquiring skills to formulate research problems.
- Acquiring knowledge of sampling techniques and formulating Hypotheses.
- Upskilling Data construction, collecting techniques and testing their validity and reliability.
- Developing skills in Processing and analysis of data, applying various statistical tools using software packages.
- Developing skills to draft a report.

### **P22FMCC22 Quantitative Techniques for Business Decisions**

#### **COURSE OBJECTIVES:**

- To develop the student's ability to deal with numerical and quantitative issues in business.
- To understand the importance of correlation and regression analysis and the application of non-parametric tests in hypothesis testing.

- Identify, formulate and solve Linear Programming Problems graphically, mathematically or Comprehend the decision-making process under uncertainty using statistical tools.
- To have a proper understanding of Statistical applications.

**COURSE OUTCOMES:**

The students, after the completion of the course would be able to,

- To make the students evaluate different quantitative techniques.
- The students will be able to take opt decisions in business.
- The students will know statistics and quantitative techniques.
- The students will be familiar with decision-making skills.
- The students will be able to design new skills in decision making.

**P22FMCC23 Income Tax Law and Practice**

**COURSE OBJECTIVES:**

- To enable the students to identify the basic concepts, definitions and terms related to Income Tax.
- To enable the students to determine the residential status of an individual and scope of total income.
- To enable the students to compute income under various heads namely income from salaries, house property,
- business/ profession, capital gains and income from other sources.
- To enable the students to discuss the various deductions
- To enable the students to compute the net total taxable income of an individual.

**COURSE OUTCOMES:**

The students, after the completion of the course would be able to,

- Students would identify the technical terms related to Income Tax.
- Students would determine the residential status of an individual and scope of total income.
- Students would compute income from salaries, house property, business/profession, capital gains and income from other sources.
- Students would discuss the various benefits/ deductions under Chapter
- Students would compute the net total income of an individual.

**P22FMCC2A Derivatives and Risk Management**

**COURSE OBJECTIVES:**

- To have a good understanding of derivative securities.
- To understand issues about pricing and hedging with options on individual stocks and indices.
- To examine forwards and futures contracts for equity indices and commodities.
- To analyze second-generation derivative products such as interest rates and the management of credit risks.
- To know how forward contracts, futures contracts, swaps and options work, how they are used and how they
- are priced

**COURSE OUTCOMES:**

At the end of this course, the students should be able to:

- To describe, analyse, evaluate and understand the derivative securities.

- To understand and gain knowledge about the valuation and implication of risk management through derivatives.
- Gain knowledge of mechanics of Future contracts, Forward contracts, Swaps and Options.
- Gain complete knowledge of analyzing the asset price option dynamics using the binomial option pricing model.
- Understand the price option using the Black Scholes option pricing model.
- Invest in derivative instruments by applying their trading strategies in them.

**P22FMCC2B Industrial Law**

**COURSE OBJECTIVES:**

- To learn the provisions of Company Administration
- To understand the fundamental acts applicable to industrial management
- To impart regulations of the Foreign Exchange Management Act.
- To learn the provisions of The Essential Commodities Act.
- To understand the functions and powers of various Boards

**COURSE OUTCOMES:**

After completion of the syllabus, the students should have understood,

- The basics of Industrial Laws
- Regulation of Scheduled Industries relating to Registration and Licensing
- The law relating to Foreign Exchange Management Act.
- The awareness regarding Water Pollution Act.
- To gain knowledge about aspects of the Air Pollution Act

**P22FME2A Security Analysis and Portfolio Management**

**COURSE OBJECTIVES:**

- To introduce the concept of Portfolio management and make students acquainted with the process.
- To enable students to understand the concepts of portfolio revision and portfolio evaluation.
- To enable students to discuss the fundamental analysis required to be done for building up an ideal portfolio.
- To enable students to be acquainted with the various techniques used for doing technical analysis for the purpose of portfolio management.
- To make students aware of the various theories in Portfolio Management.

**COURSE OUTCOMES:**

After completion of the syllabus, the students should have understood,

- Describe the characteristics of various investment alternatives available to investors and discuss how these securities market functions and primary and secondary markets work
- Analyse the principles of Dow Theory, Elliot Wave Theory and Efficient Market Hypothesis
- Collaborate the analysis of financial statements - financial ratios and the strategies followed by the investment wizards of the world while sensitizing the pitfalls of the investment game
- Integrate the applications of modern portfolio theory and arbitrage pricing theory
- Articulate the knowledge on diversification and portfolio risks, equilibrium models and set of guidelines for investors with varying inclinations

## **P22FME2B Indian Financial System**

### **COURSE OBJECTIVES:**

- To provide students with basic concepts and theories of Finance, its markets and various services provided in the Finance sector.
- To provide students with the knowledge of various instruments traded in the financial markets.
- To provide information to students about the current financial system in India.
- To help them understand the various financial intermediaries and their importance in the financial system.
- To familiarize students with recent changes and elements of financial markets and services

### **COURSE OUTCOMES:**

After completion of the syllabus, the students should have understood,

- Understand the role and importance of the Indian financial market.
- Students are able to analyse the financial market processes and their factors, and make successful financial decisions at an individual as well as company level.
- Students are able to analyse different credit instruments and ownership instruments use statistical reasoning for research projects undertaken later
- To differentiate between fund based and fee based financial activities of the Indian financial system.
- To acquire an understanding of various concepts related to leasing, hire purchase, factoring, bill discounting, VC and Merchant banking.

## **P22FMNME1 Introduction to Accounting**

### **COURSE OBJECTIVES:**

- Acquire conceptual knowledge of the basics of accounting
- Identify events that need to be recorded in the accounting records
- Develop the skill of recording financial transactions and preparation of reports
- Equip with the knowledge of the accounting process and preparation of final accounts
- Determine the useful life and value of the depreciable asset

### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Understanding the concept of accounting, Principles of double entry
- Know the various types of subsidiary books
- Get the knowledge of Error types and Trial balance
- Know about final accounts
- Learn methods of depreciation.

## **SEMESTER III**

### **P22FMCC31 Advanced Corporate Accounting**

#### **COURSE OBJECTIVES:**

- To enable the students to have a comprehensive practice in the preparation of corporate accounts.
- To familiarize with the provisions of Companies Act that are suitable to corporate sector.
- To acquaint with the knowledge relating to Holding Company Accounts along with the accounting standards.



- To able to construct the accounting process relating with liquidation process.
- To elaborate the knowledge relating principles and provisions relating to banking and insurance companies.

**COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- The students will be able Construct the financial statements of company within the frame work of IndAS 2.
- The students will be able to devise a plan for reconstruct the capital structure in the financial statement of Joint stock company ltd.
- The students will be able to determine how the companies are analyzed at the time of Merger and Acquisition and its accounting procedures.
- The students will familiarize about the concepts and the legal requirements related to presentation of accounts by a holding company.
- The students will be able to justify the outstanding claims against the Company and satisfy those claims in the manner and order prescribed by law.
- The students will be to elaborate the various principles, provisions that govern the banking and insurance companies and how the Human resources are maintained in an organization in order to achieve cost effective organizational objectives.

**P22FMCC32 Information Technology Concepts (Theory)**

**LEARNING OBJECTIVES:**

- To introduce Evolution, Classification and Applications of Computers
- To know Computer peripherals
- To learn about Software, Programming Language, Word Processing and Spread Sheets Presentation
- To study Data Communication and BDP
- To aware Computerized Accounting

**COURSE OUTCOMES:**

On successful completion of the course, the students will be able to

- Know Evolution, Classification and Applications of Computers.
- Understand Computer peripherals.
- Have knowledge on Software, Programming Language, Word Processing and Spread Sheets Presentation.
- Do Data Communication and BDP.
- Aware Computerized Accounting.

**P22FMC32P Information Technology (Practical)**

**LEARNING OBJECTIVE:**

- To create company, ledger and alteration, and Voucher entry.
- To reconcile bank transactions
- To process sales and purchase orders,
- To calculate GST and TDS
- To enter journal, vouchers and prepare balance sheet.

**LEARNING OUTCOMES:**

On successful completion of the course, the students will acquire skill on:

- Creating and Editing Word Documents and Saving, opening, closing and protecting documents; and Mail Merge.
- Creating work sheet and Charts, formula applications, and PPT.
- MS Access, Database, Relationship, Query, Forms, Reports and Macros
- Page maker and methods to use.
- Photoshop, Images and Animation

### **P22FMCC3A Accounting for Business Decisions**

#### **COURSE OBJECTIVES:**

- This Programme is designed to provide high quality education in theoretical.
- To provide practical knowledge and skills in various aspects of accounting.
- To pursue or further advance their careers in business.
- To Know the Standard Costing and Functional Budgeting.
- To understand the Value Chain Analysis.

#### **COURSE OUTCOMES:**

On completion of the course, the students will be able to

- Analyse and interpret management information and to make decisions based on the information available.
- Evaluate financial data utilizing various financial statement analysis.
- Understand and apply the theoretical aspects of accounting methods used for collecting, recording and reporting financial information.
- Describe the underlying theories of modern accounting and describe the conceptual framework of accounting.
- Understand the types of costing and budgeting.
- Understand about the International accounting standards and Indian accounting standards.

### **P22FMCC3B Insurance Management**

#### **COURSE OBJECTIVES:**

- To know the concept and techniques of identifying, measuring.
- To managing insurance policies.
- To know economic protection of the dependents.
- To understand Nature and Use of Fire Insurance.
- To know the Accident Insurance.

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Understand the concepts and significance of insurance, principles and kinds of insurance, impact of LPG on insurance industry in India and IRDA regulations for insurance business.
- Acquaint with life insurance and procedure followed for issuing life insurance policies, nominations, assignments, and revival and surrender value and claim settlement procedure for life insurance policies.
- Gain an insight on the nature of fire insurance and to know the procedure for making claims against different kinds of insurance policies.
- Gain an insight on the nature of Marine Insurance and to know the procedure for making claims against different kinds of insurance policies.
- Understand the features of personal accident insurance and general insurance.

### **P22FME3A Management Information System**

#### **COURSE OBJECTIVES:**

- To enable the students to trace the growing importance of information system.
- To know the vital role in decision making.
- To understand the role of computers and financial areas.
- To know the system, development process & approaches.
- To understand the Recent developments in information technology.

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Learn the principles of Management Information System for organizations.
- Understand the uses, function of application MIS in organization.
- Analyze the scope of MIS for business organizations.
- Know about the coding techniques and detection of error.
- Identify the recent development in information technology.

### **P22FME3B Project Management**

#### **COURSE OBJECTIVES:**

- To understand the concepts of Project Management for planning to execution of projects.
- To understand the feasibility analysis in Project Management and network analysis tools for cost and time estimation.
- To enable them to comprehend the fundamentals of Contract Administration- Costing and Budgeting.
- Make them capable to analyze - apply and appreciate contemporary project management tools and methodologies in Indian context.

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Understand project characteristics and various stages of a project.
- Understand the conceptual clarity about project organization and feasibility analyses: Market- Technical- Financial and Economic.
- Analyse the learning and understand techniques for Project planning- scheduling and Execution Control.
- Apply the risk management plan and analyse the role of stakeholders.

### **P22FMNME2 Management Concepts**

#### **COURSE OBJECTIVES:**

- To understand the nature and scope of management.
- To know the difference between management and administration.
- To understand various levels of management.
- To describe the various skills that are necessary for successful managers.
- To know the nature, importance and types of control.

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Understand the historical backdrop and fundamentals of Management thoughts vital for understanding the conceptual frame work of Management as a discipline.

- Know various concepts of planning, Decision making and controlling to help solving managerial problems.
- Get Knowledge on motivation theories.
- Comprehend the theories of management & evolution of management thought.
- Run the business effectively by applying the management theories.
- Act as an effective manager by applying the controlling techniques.

## **SEMESTER IV**

### **P22FMCC41 Financial Reporting**

#### **COURSE OBJECTIVES:**

- To acquaint the students with the concepts and conventions that underlies financial statements and reporting.
- To familiarize the methods that are used to record, summarize and report the effects of financial activities in financial statements,
- To lay down the foundation of interpreting and analysing the financial statements by understanding the concepts of IFRS and GAAP.
- To identify the main users of financial information and emerging the analytical tools.
- To understand the role played by the IFRS, GAAP and Ind AS in the corporate world.

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- The students will learn about the use of financial reporting theory and practices to analyse the performance of a company.
- The students will be able to design the appropriate business policies and strategies to meet stakeholder and shareholder needs in the light of the recent changes in financial reporting.
- The students will have knowledge of accounting standards in global level and IFRS in global level.
- The students will be familiar with the Indian Accounting standards.
- The students will have convergence knowledge of the Indian GAAP and IFRS.

### **P22FMCC42 Advanced Cost and Management Accounting**

#### **COURSE OBJECTIVES:**

- To enhance the abilities of learners to develop the concept of cost and management accounting and its significance in the business.
- To enable the learners to understand- develop and apply the techniques of costing in the decision making in the business corporates.
- To enable the learners in understanding- developing- preparing and presenting the financial report in the business corporates.
- To acquaint with the knowledge relating to budgetary control and its concepts.
- To understand the various costing technique that are useful for the company's financial activities.

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Understand the basis of conventional and contemporary costing systems
- Determine the costs of products and services

- Critically analyse relevant costs and provide recommendations for decision making
- Prepare plans and budgets and analyse variances from standard cost to pinpoint areas that need control.

### **P22FMIBC International Financial Management**

#### **COURSE OBJECTIVES:**

- The aim of the course is to study the role of international trade and investment, currency movements, international financial markets, and international agreements and institutions play in the management of multinational corporations.
- Understand the various stages of expansion overseas that multinational corporations utilize in order to benefit from globalization.
- Describe the international monetary system and the foreign exchange markets.
- Examine the Balance of Payments (BOP) data and determine its implications for international competition.
- Apply knowledge of derivatives to risk management in international financial markets.

#### **COURSE OUTCOMES:**

The students, after the completion of the course would be able to

- Understand the nature and scope of International financial management.
- Discover the functionalities in foreign exchange market.
- Estimate the foreign exchange exposure.
- Evaluate the various sources of international finance.
- Formulate international investment decision by incorporating financial and non-financial factors.

### **P22FMPW Project**

#### **COURSE OUTCOMES:**

Each candidate shall be required to take up a Project Work and submit it at the end of the final year. The Head of the Department shall assign the Guide who, in turn, will suggest the Project Work to the student in the beginning of the final year. A copy of the Project Report will be submitted to the University through the Head of the department on or before the date fixed by the University. The Project will be evaluated by an internal and an external examiner nominated by the University. The candidate concerned will have to defend his/her Project through a Viva-voce.

### **P22FMVAC2 Basics of GST (Goods and Service Tax)**

#### **COURSE OBJECTIVES:**

- To Understand the Basic Concepts of GST.
- To Study the Registration and Computation of GST.
- To Acquaint the Students with Filing of Returns in GST.
- To understand the concepts of GST technology.
- To explore the knowledge relating to the penalties and offences relating to GST.

#### **COURSE OUTCOMES:**

- The students will get a general understanding of the GST law in the country
- The students will provide an Insight into practical aspects of GST
- The students will equip themselves to become tax practitioners.
- The students will be able to calculate GST at different level.

<b>DEPARTMENT OF COMMERCE(BANK MANAGEMENT)</b>		
<b>PROGRAME</b>	<b>PROGRAME SPECIFIC OUTCOME</b>	<b>PROGRAME OUTCOME</b>
<b>B.COM (BM)</b> <b>M.COM(BM)</b>		<p><b>On successful completion of the subject, the students acquired knowledge about :</b></p> <p><b>The meaning and significance of financial system.</b></p> <p><b>The organization and functions of RBI.</b></p> <p><b>The functions of commercial banks.</b></p> <p><b>The objectives and functions of all India Development Banks.</b></p> <p><b>The objectives and functions of state level Development Banks</b></p>
<b>NAME OF THE COURSE</b>		<b>COURSE OUTCOME</b>
<b>B.COM (BM)</b>		
<b>PRINCIPLES OF ACCOUNTANCY</b>		<p><b>On successful completion of the subject, the students acquired knowledge about:</b>The Concepts and Conventions of Financial Accounting. Accounting for sole traders with adjustment entries and Rectification of Error Calculation of Accounts of Non-profit organization and Bills of exchange.</p> <p><b>Accounts of the Agency Business and temporary partnership.</b></p> <p><b>Preparation of Accounts under Single Entry System.</b></p> <p><b>Calculation of Depreciation and Provisions and Reserves by using the various methods</b></p>
<b>INDIAN FINANCIAL SYSTEM</b>		<p><b>n successful completion of the subject, the students acquired knowledge about :</b></p> <p><b>The meaning and significance of financial system.</b></p> <p><b>The organisation and functions of RBI.</b></p> <p><b>The functions of commercial banks.</b></p> <p><b>The objectives and functions of all India Development Banks.</b></p> <p><b>The objectives and functions of state level Development Banks</b></p>
<b>MANAGEMENT CONCEPTS</b>		<p><b>To Understand the Evolution and theory of Management,</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>To develop the students to take decisions in various fields.</b></li> <li><input type="checkbox"/> <b>To get a knowledge about various organization structure and its responsibility,</b></li> <li><input type="checkbox"/> <b>To develop the flow of communication among the people,</b></li> <li><input type="checkbox"/> <b>To examine and practice the suitable leadership pattern in organization.</b></li> </ul>

<p style="text-align: center;"><b>BANKING THEORY LAW AND PRACTICE</b></p>	<p><b>Elucidate the services rendered by banks</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Have an understanding about various types of accounts and savings schemes</b></li> <li><input type="checkbox"/> <b>Generate information types of customers</b></li> <li><input type="checkbox"/> <b>Analyse information about the rights, responsibilities and duties of paying and collecting banker</b></li> <li><input type="checkbox"/> <b>Express opinions recent trends in Modern Banking,</b></li> </ul>
<p style="text-align: center;"><b>BUSINESS TOOLS FOR DECISION MAKING</b></p>	<p><b>On successful completion of the course, the students will acquire knowledge on:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Basics in statistics, Classification, Tabulation and Measure of central tendency</b></li> <li><input type="checkbox"/> <b>Measures of Dispersion and Skewness.</b></li> <li><input type="checkbox"/> <b>Simple correlation and regression</b></li> <li><input type="checkbox"/> <b>Time series and interpolation</b></li> <li><input type="checkbox"/> <b>Index numbers</b></li> </ul>
<p style="text-align: center;"><b>BUSINESS ECONOMICS</b></p>	<p><b>The Micro and Macro Economics relating to business.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Demand and concepts in relation to Law of Demand, Demand Curves and Elasticity of Demand.</b></li> <li><input type="checkbox"/> <b>Production function, scale of production and economics of large scale production and limitations.</b></li> <li><input type="checkbox"/> <b>Law of Supply, Optimum firm, pricing under Perfect and Monopolistic competition.</b></li> <li><input type="checkbox"/> <b>Income and Expenditure pattern of National Income.</b></li> </ul>
<p style="text-align: center;"><b>BUSINESS ACCOUNTING</b></p>	<p><b>On successful completion of the subject, the students acquired knowledge about;</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Students are familiarized with branch accounts and departmental accounts</b></li> <li><input type="checkbox"/> <b>Students can deal with hire purchase system and Installment purchase system</b></li> <li><input type="checkbox"/> <b>Become knowledgeable on self balancing and sectional balancing ledgers and royalty account.</b></li> <li><input type="checkbox"/> <b>Trained to handle the Insolvency accounts and statement of affairs</b></li> <li><input type="checkbox"/> <b>Trained to calculate Fire insurance claims and accounting for sale or return</b></li> </ul>
<p style="text-align: center;"><b>CO - OPERATIVE BANKING</b></p>	<p><b>On successful completion of the subject, the students acquired knowledge about ;</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>The growth and structure of co-operative credit. The functions of PACCS.</b></li> <li><input type="checkbox"/> <b>The functions of district and state co-operative banks.</b></li> <li><input type="checkbox"/> <b>The objects of co-operative land development banks.</b></li> <li><input type="checkbox"/> <b>The role of NABARD, SBI and commercial banks</b></li> </ul>
	<p><b>After the successful completion of the course students will be able to get</b></p>

<p style="text-align: center;"><b>BUSINESS LAW</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Knowledge about the basics of Law and to know about the meaning of contract.</li> <li><input type="checkbox"/> Knowledge about the Principle and Practices of law relating to contract.</li> <li><input type="checkbox"/> Knowledge about the law relating to Bailment, pledge and Contract of Agency</li> <li><input type="checkbox"/> Knowledge about the different aspects and the rules and regulations connected with Sale of Goods Act</li> <li><input type="checkbox"/> Knowledge about the basics law pertaining to Negotiable Instruments, cyber-crime and the law relating to Information Technology</li> </ul>
<p style="text-align: center;"><b>CREDIT MANAGEMENT</b></p>	<p>On successful completion of the subject, the students acquired knowledge about:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Forms of credit.</li> <li><input type="checkbox"/> Principles of lending.</li> <li><input type="checkbox"/> Benefits and dangers in using credit.</li> <li><input type="checkbox"/> Credit Policy.</li> <li><input type="checkbox"/> Consumer Assessments.</li> </ul>
<p style="text-align: center;"><b>SERVICES MARKETING</b></p>	<p>On the completion of modules, the students will acquired knowledge about ;</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Meaning and Classifications services Marketing.</li> <li><input type="checkbox"/> New Service Product, Achieving Success in Development and Failure of new Products.</li> <li><input type="checkbox"/> Service Location, Methods of distributing Services and Promoting Services.</li> <li><input type="checkbox"/> Service Process, Challenges for service managers.</li> <li><input type="checkbox"/> Role of Service Mix</li> </ul>
<p style="text-align: center;"><b>BUSINESS COMMUNICATION</b></p>	<p>Understands the basics of communication</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Knowledge about different types of communication</li> <li><input type="checkbox"/> Through knowledge on report writing</li> <li><input type="checkbox"/> Knowledge on preparation of different official letters</li> </ul>
<p style="text-align: center;"><b>CORPORATE ACCOUNTING</b></p>	<p>After completing this book they should enlighten by</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> To make learner to understand format of company final accounts and various schedules of company final accounts.</li> <li><input type="checkbox"/> To make learner to acquaint information of buy-back of shares and their legal formalities</li> <li><input type="checkbox"/> To acquaint learner with various methods and techniques of amalgamation</li> <li><input type="checkbox"/> To understand sources of financial activities towards company</li> <li><input type="checkbox"/> Develop among learners various skills of corporate techniques to be applied for minimization of cost and maximization of profit</li> </ul>
	<p>On successful completion of the course, the students will acquire knowledge on:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Basics of computer application in business. and Creating</li> </ul>



<p style="text-align: center;"><b>COMPUTER APPLICATION IN BUSINESS(Theory)</b></p>	<p>and editing of word documents, opening, savings and closing documents; and mail merge</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Spread sheet programmes and applications, creating and formatting different types of charts, and application of financial and statistical function</li> <li><input type="checkbox"/> Architecture and customization of Tally, Editing and deleting ledgers, and Vouchers entry</li> <li><input type="checkbox"/> Accounting of inventories, Budget and controls</li> <li><input type="checkbox"/> Day books, Trial balance, final account and Bank Reconciliation Statement</li> </ul>
<p style="text-align: center;"><b>COMPUTER APPLICATIONS IN BUSINESS (Practical)</b></p>	<p><b>On successful completion of the course, the students will acquire knowledge on:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Preparation of business letters, bio-data, and Table.</li> <li><input type="checkbox"/> Creating work sheet, Charts, and enclosures.</li> <li><input type="checkbox"/> Filtering date using Auto filter, and application of accounting and statistical formulae.</li> <li><input type="checkbox"/> Entering vouchers, Prepare final accounts from the trial balance and Inventory report.</li> <li><input type="checkbox"/> Preparing Bank Reconciliation Statement and pay roll and computation of GST</li> </ul>
<p style="text-align: center;"><b>MANAGEMENT ACCOUNTING</b></p>	<p><b>The understand Basic knowledge on Management Accounting.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Preparation of fund flow statement and cash flow statement as per AS – 3</li> <li><input type="checkbox"/> Design various types of Budget</li> <li><input type="checkbox"/> Understand the Marginal costing and Variance analysis</li> <li><input type="checkbox"/> Select better project by applying appropriate capital budgeting.</li> </ul>
<p style="text-align: center;"><b>ENTREPRENEURSHIP DEVELOPMENT</b></p>	<p><b>To enhance a student to behave as a good businessman,</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> To emancipate the society to be mingled with,</li> <li><input type="checkbox"/> To obtain the next level of business value,</li> <li><input type="checkbox"/> To improve the process of business,</li> <li><input type="checkbox"/> To know the outset of proper financial plan for the development of business.</li> </ul>
<p style="text-align: center;"><b>INFORMATION TECHNOLOGY CONCEPTS</b></p>	<p><b>Know Evolution, Classification and Applications of Computers</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Understand Computer peripherals</li> <li><input type="checkbox"/> Have knowledge on Software, Programming Language, Word Processing and Spread Sheets Presentation</li> <li><input type="checkbox"/> Do Data Communication and BDP</li> <li><input type="checkbox"/> Aware utility of computers at different places, computer security and internet</li> </ul>
<p style="text-align: center;"><b>DIGITAL BANKING</b></p>	<p><b>e-banking in India.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Usage of ebanking cards.</li> <li><input type="checkbox"/> Payment through NEFT, RTGS and others.</li> <li><input type="checkbox"/> Cipher systems.</li> </ul>

	<input type="checkbox"/> Security devices.
<b>INCOME TAX LAW AND PRACTICE</b>	<p>After completing this course, the student will be able to</p> <input type="checkbox"/> Know about the procedures regarding basic rules and regulations and residential status. <input type="checkbox"/> Update the new tax slabs regarding salaried employees <input type="checkbox"/> Get the latest information about deductions for house property. <input type="checkbox"/> Make sure about the admissible, inadmissible expenses and deductions. <input type="checkbox"/> Allowable for business or professional incomes <input type="checkbox"/> Grasp the concept of capital gains, other sources of income.
<b>FINANCIAL SERVICES</b>	<p>On successful completion of the subject, the students acquired knowledge about;</p> <input type="checkbox"/> The meaning and types of financial services. <input type="checkbox"/> The features of hire purchase. <input type="checkbox"/> The functions of mutual funds. <input type="checkbox"/> Meaning and features of venture capital. <input type="checkbox"/> The significance and types of factoring.
<b>INVESTMENT BANKING</b>	<p>Industry structure, Indian investment banks.</p> <input type="checkbox"/> Securities Market and Primary market intermediaries. <input type="checkbox"/> Equity Issues through Depository Route. <input type="checkbox"/> Corporate restructuring: Internal and External restructuring. <input type="checkbox"/> Venture capital and Mutual Funds management
<b>PROJECT</b>	<p>The candidate shall be required to take up a Project Work by group or individual and submit it at the end of the final year. The Head of the Department shall assign the Guide who, in turn, will suggest the Project Work to the students in the beginning of the final year. A copy of the Project Report will be submitted to the University through the Head of the Department on or before the date fixed by the University. The Project will be evaluated by an internal and an external examiner nominated by the University. The candidate concerned will have to defend his/her Project through a Viva-voce.</p>
<b>BASICS OF GOODS AND SERVICE TAX</b>	<p>The students will get a general understanding of the GST law in the country</p> <input type="checkbox"/> The students will provide an Insight into practical aspects of GST <input type="checkbox"/> The students will equip themselves to become tax practitioners. <input type="checkbox"/> The students will be able to calculate GST at different level
<b>M.COM (BM)</b>	

<p style="text-align: center;"><b>INDIAN BANKING SYSTEM</b></p>	<p><b>To facilitate the understanding of the origin and growth of the Indian Banking system.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> To understand the Banking system and their functions.</li> <li><input type="checkbox"/> To teach the functions of commercial banks.</li> <li><input type="checkbox"/> To explain the finance to trade.</li> <li><input type="checkbox"/> To describe the importance of nationalization of banks.</li> </ul>
<p style="text-align: center;"><b>E- BANKING</b></p>	<p><b>Upon Successful completion of this course the students would be able</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Understand about traditional banking vs E-banking and significance of E- Banking</li> <li><input type="checkbox"/> Get knowledge of online banking and its electronic delivery channels.</li> <li><input type="checkbox"/> Know the basics of commercial banking and how to go on net for online banking.</li> <li><input type="checkbox"/> Gain complete knowledge of E- Banking securing and E-Builders solutions.</li> <li><input type="checkbox"/> Get acquainted in secure electronic transaction</li> </ul>
<p style="text-align: center;"><b>ADVANCED FINANCIAL MANAGEMENT</b></p>	<p><b>Formulate finance Decisions Considering Risk and Return.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Identify and discuss long term and short term sources of finance.</li> <li><input type="checkbox"/> Compute the cost of debt, Equity, Preference, retain earnings and overall cost of Capital.</li> <li><input type="checkbox"/> Apply the concept of leverage in financial decision making.</li> <li><input type="checkbox"/> Design an Optimal capital Structure of the firm, understanding theories of capital structure and dividend.</li> <li><input type="checkbox"/> Evaluate the concept of Working Capital Management</li> </ul>
<p style="text-align: center;"><b>BANK AUDIT</b></p>	<p><b>Know the concept of auditing and the qualities of an auditor.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Learn the objectives of auditing.</li> <li><input type="checkbox"/> Identify the norms of the audit of banking companies</li> <li><input type="checkbox"/> Prepare the students to equip the Knowledge about prudential Accounting Norms</li> <li><input type="checkbox"/> Gain knowledge about verification and Valuation.</li> <li><input type="checkbox"/> Find out the recent issues.</li> </ul>
<p style="text-align: center;"><b>INSURANCE MANAGEMENT</b></p>	<p><b>Understand the concepts and significance of insurance, principles and kinds of insurance, impact of LPG on insurance industry in India and IRDA regulations for insurance business.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Acquaint with life insurance and procedure followed for issuing life insurance policies, nominations, assignments, and revival and surrender value and claim settlement procedure for life insurance policies.</li> <li><input type="checkbox"/> Gain an insight on the nature of fire insurance and to know</li> </ul>

	<p><b>the procedure for making claims against different kinds of insurance policies.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Gain an insight on the nature of Marine Insurance and to know the procedure for making claims against different kinds of insurance policies.</b></li> <li><input type="checkbox"/> <b>Understand the features of personal accident insurance and general insurance.</b></li> </ul>
<b>DIGITAL PAYMENT SYSTEM</b>	<p><b>The students, after the completion of the course would be able to</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Understand about digital payment system</b></li> <li><input type="checkbox"/> <b>Know how the digital payment system works.</b></li> <li><input type="checkbox"/> <b>Perform financial transactions using digital payment network.</b></li> <li><input type="checkbox"/> <b>Take security and privacy precautions while conducting transactions through digital payment system.</b></li> <li><input type="checkbox"/> <b>Understand the innovative components of digital payment system and fintech applications.</b></li> </ul>
<b>RESEARCH METHODOLOGY</b>	<p><b>Learning the meaning of research, its types.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Developing research design and acquiring skills to formulate research problems.</b></li> <li><input type="checkbox"/> <b>Acquiring knowledge of sampling technique and formulating Hypotheses.</b></li> <li><input type="checkbox"/> <b>Up skilling Data construction, collecting techniques and testing their validity and reliability.</b></li> <li><input type="checkbox"/> <b>Developing skills in Processing and analysis of data, applying various statistical tools using software packages.</b></li> <li><input type="checkbox"/> <b>Developing skills to draft a report.</b></li> </ul>
<b>QUANTITATIVE TECHNIQUES FOR BUSINESS DECISIONS</b>	<p><b>To make the students evaluate different quantitative techniques.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>The students will be able to take opt decisions in business.</b></li> <li><input type="checkbox"/> <b>The students will have knowledge in statistic and quantitative techniques.</b></li> <li><input type="checkbox"/> <b>The students will be familiar with decision making skills.</b></li> <li><input type="checkbox"/> <b>The students will be able to design new skills in decision making</b></li> </ul>
<b>INCOME TAX LAW AND PRACTICE</b>	<p><b>Enabling students to file tax returns</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Providing avenues for employment opportunities in tax filing</b></li> <li><input type="checkbox"/> <b>Grasping the basics and advanced concepts in tax planning in knowledge perspective</b></li> </ul>
	<p><b>Perceptive the information about the banking regulations act.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Know about the relationship between banker and</b></li> </ul>

<p><b>BANKING THEROY LAW AND PRACTICE</b></p>	<p><b>customer.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Understanding the knowledge of cheques</b></li> <li><input type="checkbox"/> <b>Discerning the information of collection banker</b></li> <li><input type="checkbox"/> <b>Knowledge about the employment of funds</b></li> </ul>
<p><b>ORGANISATIONAL BEHAVIOUR</b></p>	<p><b>To understand the conceptual framework of the discipline of OB and its practical applications in the organizational set up.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>To deeply understand the role of individual groups and structure in achieving organizational goals effectively and efficiently.</b></li> <li><input type="checkbox"/> <b>To critically evaluate and analyse various theories and models that contributes in the overall understanding of the discipline.</b></li> <li><input type="checkbox"/> <b>To develop creative and innovative ideas that could positively shape the organizations.</b></li> <li><input type="checkbox"/> <b>To accept and embrace in working with different people from different cultural and diverse background in the workplace</b></li> </ul>
<p><b>ADVANCED CORPORATE ACCOUNTING</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> <b>The students will be able Construct the financial statements of company within the frame work• of Ind AS 2</b></li> <li><input type="checkbox"/> <b>The students will be able to devise a plan for reconstruct the capital structure in the financial• statement of Joint stock company ltd.</b></li> <li><input type="checkbox"/> <b>The students will be able to determine how the companies are analysed at the time of Merger• and Acquisition and its accounting procedures</b></li> <li><input type="checkbox"/> <b>The students will familiarize about the concepts and the legal requirements related to• presentation of accounts by a holding company</b></li> <li><input type="checkbox"/> <b>The students will be able to justify the outstanding claims against the Company and satisfy• those claims in the manner and order prescribed by law.</b></li> <li><input type="checkbox"/> <b>The students will be to elaborate the various principles, provisions that govern the banking• and insurance companies and how the Human resources are maintained in an organization in order to achieve cost effective organizational objectives</b></li> </ul>
<p><b>INFORMATION TECHNOLOGY CONCEPTS (THEORY)</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Know Evolution, Classification and Applications of Computers</b></li> <li><input type="checkbox"/> <b>Understand Computer peripherals•</b></li> <li><input type="checkbox"/> <b>Have knowledge on Software, Programming Language,</b></li> <li><input type="checkbox"/> <b>Word Processing and Spread• Sheets Presentation Do Data Communication and BDP•</b></li> <li><input type="checkbox"/> <b>Aware Computerized Accounting•</b></li> </ul>
<p><b>INFORMATION TECHNOLOGY CONCEPTS (PRACTICAL)</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Creating and Editing Word Documents and Saving, opening, closing and protecting</b></li> <li><input type="checkbox"/> <b>documents; and Mail Merge.●</b></li> <li><input type="checkbox"/> <b>Creating work sheet and Charts, formula applications, and</b></li> </ul>

	<p><b>PPT.● M</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> S Access, Database, Relationship,</li> <li><input type="checkbox"/> Query, Forms, Reports and Macros● Page maker and methods to use.●</li> <li><input type="checkbox"/> Photoshop, Images and Animation●</li> </ul>
<b>GLOBAL BANKING SYSTEM</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Students are able to understand the global banking system, need and challenges. Students will be known on risk and exposure on exchange rate and interest rate.●</li> <li><input type="checkbox"/> Students have knowledge on international monetary system and European monetary●</li> <li><input type="checkbox"/> system. Students will be understand the mechanism of exchange rate.●</li> <li><input type="checkbox"/> Students could know about international financial services and its significances.●</li> </ul>
<b>MARKETING OF BANKING SERVICES</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Remember the concepts of commercial banks, RBI, its organizational structure, functions, credit creation and control. Recall the relationship between banker and customer and various types of bank accounts.●</li> <li><input type="checkbox"/> Understand the provisions of Negotiable Instrument Act, Endorsements, Paying banker and●</li> <li><input type="checkbox"/> collecting banker. Recall the procedure and policies of banks to provide innovative banking services.●</li> <li><input type="checkbox"/> Understand the recent trends in E-Banking and Indian Financial network.●</li> </ul>
<b>FINANCIAL LITERACY AND INCLUSION</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Describe the importance of financial literacy and list out the institutions providing financial services; Prepare financial plan and budget and manage personal finances;●</li> <li><input type="checkbox"/> Open, avail, and manage/operate services offered by banks;●</li> <li><input type="checkbox"/> Open, avail, and manage/operate services offered by post offices;●</li> <li><input type="checkbox"/> Plan for life insurance and property insurance● &amp; select instrument for investment in shares</li> </ul>
<b>INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Understanding the chronological environment of</li> <li><input type="checkbox"/> Investment Management thoughts. Know various concepts of New issue Market●</li> <li><input type="checkbox"/> Get knowledge of security analysis, approaches and Investment theory●</li> <li><input type="checkbox"/> Comprehend the theories of investment management● &amp; evolution portfolio analysis.</li> <li><input type="checkbox"/> Learn to investment companies and mutual funds in India●</li> </ul>
<b>BANKING AND ENTREPRENEURIAL DEVELOPMENT</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> To offer the students to understand the basic knowledge of entrepreneurship.</li> <li><input type="checkbox"/> To understand the EDP practices and preparation of project report.●</li> <li><input type="checkbox"/> To familiarise in project market information, sources and financial problems.●</li> <li><input type="checkbox"/> To explain the finance to trade.●</li> </ul>

	<input type="checkbox"/> To describe the importance various organisations involved in entrepreneurial growth.●
<b>PROJECT WORK</b>	<input type="checkbox"/> Each candidate shall be required to take up a Project Work and submit it at the end of the final year. The Head of the Department shall assign the Guide who, in turn, will suggest the Project Work to the student in the beginning of the final year. A copy of the Project Report will be submitted to the University through the Head of the Department on or before the date fixed by the University. The Project will be evaluated by an internal and an external examiner nominated by the University. <input type="checkbox"/> The candidate concerned will have to defend his/her Project through a Viva-voce.
<b>BASICS OF GST (GOODS AND SERVICE TAX)</b>	<input type="checkbox"/> The students will get a general understanding of the GST law in the country <input type="checkbox"/> The students will provide an Insight into practical aspects of GST● <input type="checkbox"/> The students will equip themselves to become tax practitioners.● <input type="checkbox"/> The students will be able to calculate GST at different level.●

## DEPARTMENT OF COMPUTER APPLICATIONS (BCA)

Sl.no	COURSE	COURSE- OBJECTIVE	COURSE- OUTCOME (students should have / should obtain)
1.	PROGRAMMING IN C	To impart basic knowledge of Programming Skills in C language	Programming Skills in C language
2.	PROGRAMMING IN C LAB	To Impart Practical Training in C Programming Language	Practical knowledge in C Programming
3.	ALGEBRA AND CALCULUS	To lean the basic concepts in the integration and train the students to solve the problems in Theory of Equations	Basic concepts in the integration and knowledge to solve the problems in Theory of Equations
4.	NUMERICAL ANALYSIS AND STATISTICS	To train the students in solving the numerical problems and statistical problems	Ability to solve the numerical problems and statistical problems
5.	VALUE EDUCATION	To impart basic knowledge of Philosophy of Life and Social Values, Human Rights and Organizations, RTI Act, 2005 & Consumer Protection Act, 1986, Yoga and Health and Role of State Public Service Commission	knowledge of Philosophy of Life and Social Values, Human Rights and Organizations, RTI Act, 2005 & Consumer Protection Act, 1986, Yoga and Health and Role of State Public Service Commission
6.	PROGRAMMING IN C++	To impart basic knowledge of Programming Skills in C++ language	Programming ability to C++ program
7.	PROGRAMMING IN C++ LAB	To Impart Practical Training in C++ Programming Language	Ability to write C++ Program
8.	PROGRAMMING IN JAVA	To understand the basic concepts of Object Oriented Programming with Javalanguage	Skill to write object oriented programs using Java
9.	PROGRAMMING IN JAVA LAB	To Impart Practical Training in Java Programming Language	A complete practical knowledge on java
10.	OPERATIONS RESEARCH	To train the students to solve assignment problems, transportation problems and network problems.	Ability to solve assignment problems, transportation problems and network problems.
11.	ENVIRONMENTAL STUDIES	To Impart knowledge about Natural Resources, Ecosystems, Biodiversity and its conservation, and Environmental	Knowledge about Natural Resources, Ecosystems, Biodiversity and its conservation, and Environmental



		Pollution	Pollution
12.	PRINCIPLES OF ACCOUNTING	To understand the working Principles of accounting	A concrete knowledge on accounting and its basic operations
13.	HUMAN RIGHTS	To introduce students to the concept of human rights and all other related aspects.	A basic understanding of human rights and all other related aspects.
14.	CONTEMPORARY SOCIAL ISSUES AND PROBLEMS	To inform the students about the social problems in the Indian context.	Knowledge about the social problems in the Indian context
15.	DATABASE SYSTEMS	To provide the basic concepts of the Database Systems including Data Models, Storage Structure, Normalization and SQL	A basic understanding of the Database Systems including Data Models, Storage Structure, Normalization and SQL
16.	TOURISM AND TRAVEL MANAGEMENT	To make the students to understand the concept of tourism and travel management.	Known the uses of tourism and travels
17.	DATABASE SYSTEMS LAB	To Impart Practical Training in MySQL	Skill to write programs in MySQL
18.	COMPUTER APPLICATION IN BUSINESS	To enable the students to know the importance of computer application in business	A understanding of Generation of Computers, CPU and Memory, Software and Computer Networks
19.	ORGANISATIONAL BEHAVIOR	To make the students to understand the behavior of employers in an Organizational	Experimental skills on personality development and organizational behavior.
20.	COMPUTER NETWORKS	To understand the Design and Organization of Computer Networks	Knowledge on Data Communications, Networks, Network Types & OSI Model
21.	COMPUTER APPLICATION IN BUSINESS LAB	To enable the students to know the importance of computer application in corporate companies.	A concrete understanding on MS – Word documents, MS-EXCEL and Tally software.
22.	CULTURAL TOURISM IN INDIA	To make the students to understand the concept of our cultural tourism in India	Known the different types of cultural tourism in India

23.	TOURISM PRODUCT-3	To understand the concepts of tourism product	Known the kinds of tourism product with experiences.
24.	DATA STRUCTURES AND ALGORITHMS	To understand the concepts of Data Structures and Algorithms.	Known the uses of data structures and its Types which include array, linked list and tree
25.	LINUX LAB	To Impart Practical Training in Linux Operating System	Knowledge pertaining to develop a shell programmes
26.	COMPUTER GRAPHICS AND ANIMATION LAB	To Impart Practical Training in Computer Graphics and Animation related problems	Handling different file formats and interchanging them, changing the resolution, color, grayscales and size of the images with multi-layer and Using brushes and creating multicolor real life images.
27.	CLOUD COMPUTING	To understand the concepts in Cloud Computing and its Security	A very good understanding on Cloud Computing Foundation, Cloud Computing Architecture, Data Storage and Cloud Computing and Cloud Computing and Security
28.	PROGRAMMING IN PHP	To understand the Concepts of PHP and Ajax	Programming ability to write programs in PHP & Ajax
29	COMPUTER GRAPHICS	To understand the concepts on basic Graphical Techniques, Raster Graphics, Two Dimensional and Three Dimensional Graphics	A knowledge on Computer Graphics System, Output Primitives, 2D Geometric Transformations, Graphical User Interfaces And 3D Geometric and Modeling Transformations
30	OPERATING SYSTEMS	To provide the Fundamental Concepts in an Operating System.	Fundamental knowledge on Operating Systems, Memory Management, Processor Management, Device Management & File Management

31	PROGRAMMING IN PHP LAB	To understand the Concepts of PHP and Ajax	Programming ability to write programs in PHP & Ajax
32	DIGITAL COMPUTER AND FUNDAMENTALS	To understand the concepts on basic digital techniques.	Fundamentals knowledge on digital signals and its functions.
33	SOFT SKILLS DEVELOPMENT	To enable students to achieve excellence in both personal and professional life.	To achieve excellence in both personal and professional life.
34	GENDER STUDIES	To make boys and girls aware of each other's strengths and Weakness, to develop sensitivity towards both genders in order to lead an ethically enriched life and to promote attitudinal change towards a gender balanced ambience and women empowerment .	Knowledge about the social construction of gender in various cultural contexts from a variety of disciplinary perspectives.
35	PROGRAMMING IN C AND DATA STRUCTURE	To impart basic knowledge of Programming Skills in C language& concepts of Data Structures	Programming Skills in C language and concepts Data Structures
36	PROGRAMMING IN C LAB	To Impart Practical Training in C Programming Language	Practical knowledge in C Programming and data structures
37	ALGEBRA AND CALCULUS	To lean the basic concepts in the integration and train the students to solve the problems in Theory of Equations	Basic concepts in the integration and knowledge to solve the problems in Theory of Equations
38	NUMERICAL ANALYSIS AND STATISTICS	To train the students in solving the numerical problems and statistical problems	Ability to solve the numerical problems and statistical problems
39	VALUE EDUCATION	To impart basic knowledge of Philosophy of Life and Social Values, Human Rights and Organizations, RTI Act, 2005 & Consumer Protection Act, 1986, Yoga and Health and Role of State Public Service Commission	knowledge of Philosophy of Life and Social Values, Human Rights and Organizations, RTI Act, 2005 & Consumer Protection Act, 1986, Yoga and Health and Role of State Public Service Commission

# DEPARTMENT OF CHEMISTRY

## PROGRAMME SPECIFIC OUTCOMES

### B. Sc., CHEMISTRY

After completing the program, student gain knowledge to:

1. Understand the fundamentals in basic Chemistry
2. Understand the concepts and applications of Chemistry behind every day-to-day life.

The ultimate goal of the Chemistry program is to educate students in a way to allow them to graduate as lifelong learners that are well prepared for their chosen cases. The faculties establish and maintain a program of excellence that provides foundation and support for several different educational methods. The specific goals are to introduce knowledge in the subject matter being taught including current research areas. The under graduate students have functional knowledge of all basic area of Chemistry like Analytical, Organic, Physical, Inorganic and Polymer Chemistry.

They perform practical under the guidance of faculty with safety measures. They perform qualitative analysis, Volumetric estimations, preparation and Gravimetric estimations and also some physical technique. They also use modern chemical instruments like conductivity bridge, pH meter, centrifuge, electronic balance, mechanical shaker, melting point and boiling point apparatus etc.,

### M. Sc., CHEMISTRY

After completing the program, students will get wonderful chances to,

1. Gain knowledge of Chemistry in different subjects which are required to understanding philosophy of Chemistry.
2. Apply theoretical concepts in laboratory as per standard procedure.

The post graduates are capable of undertaking higher level chemical research studies, also gain research knowledge by having project work in their curriculum. Understand the current trends and innovations in the field of Chemistry.

Students will have fundamental and application oriented knowledge of current chemical and scientific theories. Student will able to explore new area of research in Chemistry and elective subjects. Student can able to explain the results of scientific work in oral and written formats in clear. Chemistry students can get more job opportunities in the fields like food processing, pharmaceuticals, paper industries, mining industries; R & D in various industries, dyeing industries, perfumes, soap manufacturing, water analysis industries, forensic science laboratories, etc., This programme can also be extended to Ph.D., studies by the addition of one more theory paper research methodology.

**The course outcomes of all papers offered in the undergraduate program of Chemistry is given below.**

### I B.Sc., Chemistry Semester - I Course Outcome

#### Core Course I - General Chemistry - I (Credits: 5)

Students can

1. Understand the periodic properties of elements and its classifications.
2. Know the theoretical aspects of safety and analytical techniques.
3. Understand the basics of alkanes, reactive intermediates and reaction mechanisms.
4. Learn about the Chemistry of cycloalkanes, alkenes and alkynes.
5. Gain knowledge about the types, preparation and properties of sols, colloids and emulsions and the determination of molecular weight of macromolecules.

**Core Practical I – Volumetric analysis (Credits: 4)**

1. Learn the techniques of titrimetric analyses.

**I B.Sc., Chemistry Semester – II**

**Course Outcome**

**Core Course II - General Chemistry - II (Credits: 5)**

Students can

1. Understand the principles of bonding and theories of chemical bonding.
2. Understand the Chemistry of S-block elements and metallurgy of zero group elements.
3. Understand the aromatic character of benzene type molecules and to learn the reaction mechanisms involved in haloalkanes and halobenzenes.
4. Understand about the properties of atoms, characteristics, effect of radiations and the significance of wave functions.

**Core Practical II – Applied Experiments in Volumetric Analysis (Credits: 4)**

1. Know the estimation of several cations and anions.
2. Understand the estimation of total hardness of water.

**II B.Sc., Chemistry Semester – III**

**Course Outcome**

**Core Course III - General Chemistry - III (Credits: 6)**

Students can

1. Learn the Chemistry of p-block elements.
2. Know about the preparations and properties of interhalogen compounds.
3. Understand the arrangement of atoms in space, isomers and their nomenclature.
4. Learn about the gas laws, properties of real gases and types of molecular velocities.
5. Learn the types, structure and properties of solids and liquid crystals.

**Allied Course I- Chemistry - I (Credits: 4) (for B.Sc., Mathematics and Physics – Allied Courses)**

Students can

1. Understand the Theories of coordination Chemistry.
2. Understand the various concepts of resonance and halogen compounds.
3. Understand properties of aromatic compounds and organic reactions.
4. Learn the concepts of solid state Chemistry.

**II B.Sc., Chemistry Semester – IV**

**Course Outcome**

**Core Course IV - General Chemistry - IV (Credits: 5)**

Students can

1. Learn the general characteristics of d and f block elements.
2. Understand the reactions of organometallic compounds, alcohols, phenols and ethers.
3. Know about the fundamental concepts of first law of thermodynamics, to relate heat, work and energy and to calculate work from pressure – volume relationships.
4. Learn about the fundamental concepts of rate of the reaction, determination of order of the reaction and theories of reaction rates.

**Allied Course III- General Chemistry - II (Credits: 4) (for B.Sc., Mathematics and Physics – Allied Courses)**

Students can

1. Learn the basics of nuclear Chemistry and metallic bond.
2. Understand the properties and applications of carbohydrates, amino acids and proteins.
3. Study the basic concepts of polymers, heterocyclic compounds and stereoisomerism.

**Core Practical II – Semi-micro analysis (Credits: 3)**

Students can

1. Learn the techniques of semi-micro qualitative analysis of inorganic salt mixtures.

**Allied Course II- Practical (Credits: 3) (for B.Sc., Mathematics and Physics – Allied Courses)**

Students Can

1. Learn the techniques of titrimetric analyses.
2. Understand the estimation of total hardness of water.
3. Gain knowledge about the identification of different organic compounds.

**III B.Sc., Chemistry Semester – V  
Course Outcome**

**Core Course V – Inorganic Chemistry - I (Credits: 5)**

Students can

1. Understand the basics and theories of coordination compounds.
2. Gain knowledge about few biologically important coordination compounds.
3. Understand the preparation and properties of nitrosyl compounds
4. Learn the basic principles and applications of magnetic properties.

**Core Course VI – Organic Chemistry - I (Credits: 5)**

Students can

1. Learn the reactions of carbonyl compounds, carboxylic acids, amines, heterocycles.
2. Understand the requirement of the oxidation and reducing agents for synthesis

**Core Course VII – Physical Chemistry - I (Credits: 5)**

Students can

1. Understand the various concepts of photoChemistry and group theory.
2. Learn the second law of thermodynamics, carnot cycle, carnot theorem, entropy, free energy and Maxwell's relations.
3. Learn the third law of thermodynamics, Van't Hoff isotherm, Clausius – Clapeyron equation and Nernst heat theorem.
4. Understand the laws and properties of solutions.
5. Learn the fundamental concepts of phase rule and its applications to one, two and three component systems.

**Major Based Elective I (A) – Analytical Chemistry (Credits: 5)**

Students can

1. Know the storage and handling of various chemicals and first aid procedures.
2. Learn data analysis, various separation techniques.
3. Learn gravimetric estimation and various thermo analytical methods.
4. Learn visible spectrophotometry and colorimetry.

5. Know the various electroanalytical techniques.

### **Core Practical III – Physical Chemistry (Credits: 3)**

Students can

1. Learn the fundamentals of conductometric and potentiometric titrations.
2. Understand the method of determination of molecular weight, CST, TT and rate constant.

## **III B.Sc., Chemistry Semester – VI**

### **Course Outcome**

### **Core Course VIII – Organic Chemistry - II (Credits: 6)**

Students can

1. Learn the Chemistry of carbohydrates, proteins, vitamins, alkaloids and terpenoids.
2. Understand the rearrangements and spectroscopy techniques for the elucidation of structures.

### **Core Course IX– Physical Chemistry - II (Credits: 6)**

Students can

1. Learn the various concepts of electrochemistry.
2. Know the types and theories of catalysis.
3. Learn the adsorption isotherms.
4. Know the spectroscopic techniques such as IR, UV-visible, Raman and NMR.

### **Major Based Elective II– Nuclear, Industrial Chemistry & Metallic State (Credits: 6)**

Students can

1. Know the fundamentals of nuclear Chemistry.
2. Understand the applications of nuclear Chemistry.
3. Know the metallic bond, theories and applications.
4. Understand the applications of inorganic polymers.

### **Major Based Elective III(A)– Polymer Chemistry (Credits: 5)**

Students can

1. Know the Chemistry of polymers.
2. Understand the importance of polymers.
3. Know the concepts of polymerization and techniques.

**The course outcomes of all papers offered in the post graduate program of Chemistry is given below.**

### **Core Practical IV – Gravimetric and Organic Analysis (Credits: 5)**

Students can

1. Learn the techniques of gravimetric analysis.
2. Learn the methods of different organic compounds preparation and analysis.

## **I M.Sc., Chemistry Semester - I**

### **Course Outcome**

### **Core Course I - Inorganic Chemistry - I (Credits: 5)**

Students can

1. Understand the basic concepts of main group elements.
2. Learn the theories and mechanism of reactions of metal complexes.

3. Study the concepts of photochemistry and its applications.

### **Core Course II - Organic Chemistry - I (Credits: 5)**

Students can

1. Understand the basic concepts of nomenclature of organic compounds and aromaticity.
2. Understand the basic concepts of correlation analysis
3. Learn the oxidation and reducing reagents for organic synthesis.
4. Learn stereochemistry of organic compounds.

### **Core Choice Course I – Physical Chemistry - I (Credits: 5)**

Students can

1. Understand the concepts of group theory and quantum Chemistry.
2. Learn the chemical kinetics and statistical thermodynamics.
3. Acquire knowledge about the theories of kinetics, photochemistry and radiation chemistry.

### **Core Practical I – Inorganic Chemistry - I (Credits: 3)**

Students can

1. Identify common and rare metal ions present in given inorganic mixture using semi-micro qualitative analysis.
2. Estimate the concentration of different metal ions using colorimeter.
3. Know the preparation methods of inorganic compounds.

### **Elective Course I – Analytical Chemistry (Credits: 4)**

Students can

1. Learn the instrumental methods
2. Knowledge about the nature of errors and their types.
3. Understand the various techniques in chromatography.
4. Understand the principles and instrumentation of thermoanalytical and fluorescence techniques.
5. Knowledge about the electroanalytical techniques.

### **Value Added Course I – Environmental Chemistry (Credits: 2)**

Students can

1. Knowledge about energy and environment
2. To know the Knowledge of ecosystem, Biodiversity and its conservations.
3. Understand the various energy resources.
4. To know the different types of waste managemnets
5. Knowledge about the social issues.

## **I M.Sc., Chemistry Semester - II**

### **Course Outcome**

### **Core Course III - Physical Chemistry - II**

Students can

1. Understand the principles of electronic spectroscopy.



2. Study in detail about the spectroscopy of IR and Raman.
3. Learn the basic principles of quantum chemistry and its applications

#### **Core Course IV - Inorganic Chemistry - II (Credits: 5)**

Students can

1. Understand the role of metal ions in biological process.
2. Learn the basic concepts of chemotherapy.
3. Learn the principle of catalysis and reaction mechanisms of organometallics.

#### **Core Practical II – Organic Chemistry Practical – I (Credits: 3)**

Students can

1. Know the qualitative analysis of a given organic mixture.
2. Knowledge about the quantitative analysis of organic compounds.

#### **Elective Course II – Solid state Chemistry (Credits: 4)**

Students can

1. Learn the theory of solids and crystal defects.
2. To know the basic principles of solid state reactions.
3. Learn the thermal and magnetic properties of solids.
4. Study the Chemistry of organic solids.
5. To know the basic principles of MOFs.

### **II M.Sc., Chemistry Semester - III**

#### **Course Outcome**

#### **Core Course VI - Organic Chemistry - II (Credits: 5)**

Students can

1. Understand the nucleophilic and electrophilic substitution reactions.
2. Learn the addition and elimination reactions.
3. Study a variety of heterocycles.
4. Know the Chemistry of terpenoids, steroids and alkaloids.

#### **Core Course VII - Physical Chemistry - I (Credits: 6)**

Students can

1. Study the applications of quantum Chemistry and group theory.
2. Understand electrochemistry, adsorption and classical thermodynamics.

#### **Core Practical V – Physical Chemistry - I (Credits: 3)**

Students can

1. Perform the various techniques of physical chemistry experiments.

#### **Elective Course IIB – Bio-Organic Chemistry (Credits: 5)**

Students can

1. Learn the preparation, properties of amino acids and proteins.
2. Study the activity of enzymes and cofactors.
3. Know basics of lipids and nucleic acids.

4. Learn the concept of bioenergetics.
5. Understand the principles of lead and analogue synthesis.

## **II M.Sc., Chemistry Semester - IV**

### **Course Outcome**

#### **Core Course VIII – Physical methods in Chemistry - II (Credits: 5)**

Students can

1. Understand electronic spectroscopy of metal complexes.
2. Study in detail IR, Raman and NMR of inorganic compounds.
3. Learn the EPR, Mossbauer and magnetic properties of metal complexes.

#### **Core Practical I – Volumetric analysis (Credits: 3)**

Students can

1. Perform the various electrical experiments such as conductometry, pH-metry and potentiometry.

#### **Elective Course IV B – Industrial Chemistry (Credits: 5)**

Students can

1. Know the basic ideas of an industry and industrial wastes.
2. Understand the petroleum and petrochemicals.
3. Understand the functions of portland cement.
4. Learn the principles of pulp and paper.
5. Know the preparation of soaps, detergents and perfumes.

#### **Elective Course V B – Chemistry of Nanoscience and Nanotechnology (Credits: 5)**

Students can

1. Know the synthetic methods of nanomaterials.
2. Understand the characterization of nanomaterials.
3. Understand carbon clusters and nanostructures.
4. Learn nanotechnology and nanodevices.

#### **Dissertation**

Acquire skills to undertake systematic research work and submit their dissertation individually at the end of semester IV.

## Department of Commerce

SL. NO.	Programme Specific Outcome	Programme Outcome
1.	<ul style="list-style-type: none"> <li>❖ To impart basic knowledge and also to describe the importance of principles of accountancy, marketing, business management and optional subjects, it has one of the core module syllabus for value education and includes classroom teaching and assignments for the duration of six months.</li> <li>❖ To provide students with the knowledge and technical skills necessary to understand and participate in the modern business world.</li> <li>❖ To prepare them for subsequent graduate studies and to allow them to achieve the highest level of success in their professional careers.</li> <li>❖ Demonstrate ability to access, evaluate to utilize the information from diverse sources and be proficient in the use and create modern technologies.</li> <li>❖ To empowers the students with entrepreneur and decision making skills by providing and excellent academic environment inculcating values of discipline, dignity, dedication and devotion.</li> <li>❖ To enable a student to learn and discover the various</li> </ul>	<ul style="list-style-type: none"> <li>❖ The Bachelor of Commerce (B.Com) equips graduates with the knowledge and technical skills necessary to understand to participate in the modern business world. The course also prepares the students for subsequent the graduates studies and allows them to achieve the highest level of success in the professional careers.</li> <li>❖ The course allow students to meet accreditation requirements specified by accounting and actuarial professional bodies. Graduates option upon completionof the degree include proceeding directly to employment, or further profession or research related graduate studies.</li> <li>❖ Graduates of this degree will be effective problem solvers.</li> <li>❖ Graduates of this degree will be productive workplace communicator.</li> <li>❖ Graduates of this degree will have capacity to:               <ul style="list-style-type: none"> <li>❖ Work collaboratively and productively in groups.</li> <li>❖ Use basic mathematical and statistical tools of analysis.</li> <li>❖ Apply critical and analytical skills and methods to the identification, evaluation and resolution of complex problems.</li> <li>❖ Engage confidently in self - directed study and research.</li> <li>❖ Communicate ideas effectively in both written and oral format.</li> <li>❖ Operate effectively in multicultural and diverse environments.</li> <li>❖ Use effectively information from diverse sources.</li> <li>❖ Be proficient in the use of appropriate information technologies.</li> <li>❖ Critically evaluate new ideas, research findings, methodologies and theoretical frameworks in a specialized field of study.</li> </ul> </li> </ul>

<p>causes of successes and failures of different enterprises</p> <ul style="list-style-type: none"> <li>❖ To enable a student to learn the art of recording, classifying and summarizing a significant manner in terms of money, transactions and events which are financial in character to any extent and the interpretation of the results of these transactions and events.</li> <li>❖ To make students to be conversant with modern principles and practices of management accounting</li> <li>❖ To help students to meet the global competition.</li> <li>❖ To expose the students to the environment of the business world</li> <li>❖ To prepare the students for selfemployment and developing in them, the entrepreneurial abilities. It also inculcates practice orientation among the students.</li> <li>❖ To make them know about the importance applying economic principles while making business decisions.to make them aware of social, economic and political problems relating to business concerns.it teaches them to face the market situation, to adapt themselves to present circumstances.</li> <li>❖ To provide necessary inputs among the young graduates today, towards turning them to dynamic and successful businessmen of tomorrow and to train the students not only in the technical aspects of the business, but also teach moral</li> </ul>	<ul style="list-style-type: none"> <li>❖ Recognize and understand the ethical responsibilities of individuals and organizations in a society.</li> <li>❖ To prepare students to exploit opportunities being newly created in the accounting and financial field.</li> <li>❖ To create for students an additional avenue of self employment and also to benefit industry by providing them suitability trained persons in the field of Accounting and Finance.</li> </ul>
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	and ethics.	
2.	<ul style="list-style-type: none"> <li>❖ To impart basic knowledge and also to describe the importance of Managerial Economics, Services marketing , Corporate Laws ,Income tax theory law and practice and Insurance Management it includes classroom teaching and assignments for the duration of six months.</li> <li>❖ To teach basic knowledge and also to describe the importance of advanced Financial Management, Quantitative Techniques for Business Decision, Human Resource management includes classroom teaching , assignments and field works for the duration of six months.</li> <li>❖ To provide students with the knowledge and technical skills necessary to understand and participate in the modern business world.</li> <li>❖ To prepare them for subsequent graduate studies and to allow them to achieve the highest level of success in their professional careers.</li> <li>❖ Demonstrate ability to access, evaluate to utilize the information from diverse sources and be proficient in the use and create modern technologies.</li> <li>❖ To empowers the students with entrepreneur and decision making skills by providing and excellent academic environment inculcating values of discipline, dignity, dedication and devotion.</li> <li>❖ To enable a student to learn</li> </ul>	<ul style="list-style-type: none"> <li>❖ The Master of Commerce (M.Com) equips graduates with the knowledge and technical skills necessary to understand to participate in the modern business world. The course also prepares the students for subsequent the post graduate studies and allows them to achieve the highest level of success in the professional careers.</li> <li>❖ Graduates option upon completionof the degree include proceeding directly to employment, or further profession or research related graduate studies.</li> <li>❖ Graduates of this degree will have capacity to:</li> <li>❖ Work collaboratively and productively in groups.</li> <li>❖ Use basic mathematical and statistical tools of analysis.</li> <li>❖ Apply critical and analytical skills and methods to the identification, evaluation and resolution of complex problems.</li> <li>❖ Engage confidently in self - directed study and research.</li> <li>❖ Communicate ideas effectively in both written and oral format.</li> <li>❖ Operate effectively in multicultural and diverse environments.</li> <li>❖ Use effectively information from diverse sources.</li> <li>❖ Be proficient in the use of appropriate information technologies.</li> <li>❖ Critically evaluate new ideas, research findings, methodologies and theoretical frameworks in a specialized field of study.</li> <li>❖ Recognize and understand the ethical responsibilities of individuals and organizations in a society.</li> <li>❖ To prepare students to exploit opportunities being newly created in the accounting and financial field.</li> <li>❖ To create for students an additional avenue of self employment and also to benefit industry by providing them suitability trained persons in the field of Accounting and Finance.</li> </ul>

	<p>and discover the various causes of successes and failures of different enterprises</p> <ul style="list-style-type: none"> <li>❖ To enable a student to learn the art of recording, classifying and summarizing a significant manner in terms of money, transactions and events which are financial in character to any extent and the interpretation of the results of these transactions and events.</li> <li>❖ To make students to be conversant with modern principles and practices of management accounting</li> <li>❖ To help students to meet the global competition.</li> <li>❖ To expose the students to the environment of the business world</li> <li>❖ To prepare the students for selfemployment and developing in them, the entrepreneurial abilities. It also inculcates practice orientation among the students.</li> <li>❖ To make them know about the importance applying economic principles while making business decisions.to make them aware of social, economic and political problems relating to business concerns.it teaches them to face the market situation, to adapt themselves to present circumstances.</li> <li>❖ To provide necessary inputs among the young graduates today, towards turning them to dynamic and successful businessmen of tomorrow and to train the students not only in the technical aspects of the</li> </ul>	
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	business, but also teach moral and ethics.	
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Course Outcome - B.Com.			
SL.NO.	COURSE	COURSE OBJECTIVES	COURSE OUTCOME
1.	PRINCIPLES OF ACCOUNTANCY	To understand the basic principles of accounts and its applications in business.	Instil the knowledge about accounting procedures, methods, techniques and help them to prepare financial statements in accordance with appropriate techniques.
2.	MARKETING	To enable the students gain knowledge about marketing and promotional aspects.	Familiarize the students and focus them towards marketing and marketing concepts.
3.	MANAGEMENT CONCEPTS	To impart knowledge on the concepts and the principles of management and application of practices in various organisations.	Develop knowledge about evolution of management thoughts and various functions of management.
4.	VALUE EDUCATION	To make the students to aware of the ethics, philosophy of life, social value and physiological value of the life.	Creating fruitful citizens, aware of values of life knowing constitutional powers and rights.
5.	BUSINESS ACCOUNTING	To make the students to understand the accounting principles and its applications in business.	Earn relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.
6.	BUSINESS TOOLS FOR DECISION MAKING	To enable the students to know the importance of business tools and its applications in decision making.	Providing the basic knowledge of mathematics and their applications to commercial situations and competitive examinations.
7.	BUSINESS ECONOMICS	To understand the concepts and application of economic tools in business.	Develop the ability to explain core economic terms, concepts, and theories. Apply the concept of equilibrium to both microeconomics and macroeconomics.
8.	PROFESSIONAL ENGLISH - I	To develop the language skills of students by offering adequate practice in professional contexts.	Awareness of their own ability to improve their own competence in using the language • Use language for speaking with confidence in an intelligible and acceptable manner.
9.	ENVIRONMENTAL STUDIES	To understand the nature in a better conducive manner, to react to nature perspective.	Understanding of eco systems and bio-diversity of the nature and the conservation methods.
10.	PARTNERSHIP ACCOUNTS	To provide students an exposure to understand the practice of partnership accounts.	Preparation of financial <i>accounts</i> for <i>partnership</i> firms in different situations of admission, retirement, death and insolvency of the <i>partners</i> .

11.	BUSINESS LAW	To enable the students to gain knowledge about mercantile law and its importance.	aining basic knowledge about mercantile and business law and to develop the awareness among the students regarding these laws affecting business, trade and commerce.
12.	BUSINESS COMMUNICATION	To enable the students to write business letters effectively and develop communication skills.	plying <i>business communication</i> strategies and principles to prepare effective <i>communication</i> for domestic and international <i>business</i> situations.
13.	PROFESSIONAL ENGLISH - II	To Develop the competence of students in the use of English with particular reference to the workplace situation	lp students with a research bent of mind develop their skills in writing reports and research proposals
14.	UNIT-1 ECONOMICS FOR INVESTORS	To understand concepts of saving and investments. To probe the various investment avenue and its practice applications	nderstand various investment methods and its strategies. Know the economic fundamentals and the Business Environment
15.	COST ACCOUNTING	To enable the students to know the importance of costing and to understand the basic concepts.	familiarize the students with the various concepts and elements of cost.
16.	BANKING THEORY LAW & PRACTICE	To make the students understand the various types of accounts and savings schemes. To make them aware of recent trends in Modern Banking.	nderstand concepts of saving and investments . Probe the various investment avenue and its practice applications
17.	COMPANY LAW & SECRETARIAL PRACTICE	To enable the students to know the importance of company law and its provisions.	escribing the basic rules and concepts of corporate law, such as separate legal entity, limited liability, and the duties of company directors.
18.	UNIT - 2 ECONOMICS FOR COMPETITIVE EXAMINATIONS	To make the students understand the modes of transport.	nderstand the significance and classification of transport.
19.	CORPORATE ACCOUNTING	To enable the students to know about accounting procedure in corporate accounting.	abling the students to have a comprehensive awareness about the provisions of the Company's Act and Corporate Accounts.
20.			
21.	COMPUTER APPLICATIONS	To enable the students to know the importance of	in familiarity with the concepts and terminology used in the development, implementation and



	IONS IN BUSINESS (THEORY)	computer applications in business.	operation of business computer applications.
22.	OMPUTER APPLICATIONS IN BUSINESS (PRACTICAL)	To expose the practical aspects to the students pertaining to Ms-Office, Ms- Excel and TALLY.	To develop skill on preparation of business letters, bio-data, Table. create work sheet, Charts, and enclosures. To Prepare Bank Reconciliation Statement and pay roll and computation of T.
23.	MANAGEMENT ACCOUNTING	To enable the students to know the importance of management accounting and its concepts.	abling the students to understand the analysis and interpretation of financial statements with a view to prepare management reports for decision- making.
24.	AUDITING	To provide students an understanding about the principles and practice of auditing.	ulcate the practical applications of auditing practices.
25.	FORMATION TECHNOLOGY CONCEPTS	To introduce the Evolution, Classification and Applications of Computers to the students.	Learn about Software, Programming Language, Word Processing and Spread Sheets Presentation. Study Data Communication and BDP aware utility of computers at different places, computer security and internet
26.	FT SKILLS DEVELOPMENT	To enable the students to achieve excellence in both personal and professional life.	visaging better individual as well as social relationship, communication and presentation of people in a positive and effective manner.
27.	NANCIAL MANAGEMENT	To enable the students to know the principles and practices of managing finance.	quainting the students to understand the basic concepts of financial management and the role of Financial Management in decision – making.
28.	COME TAX THEORY LAW AND PRACTICE	To enable the students to know the provisions of income tax.	parting the basic concepts and acquire knowledge about computation of income, submission of income tax return, advance tax and Tax deducted at source
29.	NANCIAL SERVICES	To enable the students to know the nature and types of financial services.	quiring more knowledge about stock market operations, SEBI, BSE and NSE. To acquaint the student with financial knowledge and various segments.
30.	TREPRENEURIAL DEVELOPMENT	To enable the students to understand the conceptual and applied knowledge about entrepreneurship.	veloping appropriate skills in the students so as to make them competent and provide themselves self-employment.
31.	OJECT		
32.	SICS OF GOODS AND SERVICE TAX	To Understand the Basics of GST and to Study the Registration and Computation of GST.	Acquaint the Students with Filing of Returns. Understand the concepts of GST technology. plore the knowledge relating to the penalties and offences relating to GST.

33.	GENDER STUDIES	To make the boys and girls aware of each others strengths and weaknesses, to develop sensitivity towards both genders in order to lead an ethically enriched life.	itudinal change towards a gender balanced ambience and women empowerment.

<b>Course Outcome - M.Com.</b>			
<b>SL.NO.</b>	<b>COURSE</b>	<b>COURSE OBJECTIVES</b>	<b>COURSE OUTCOME</b>
1.	MANAGERIAL ECONOMICS	To make the students to realise the usefulness of economic tools, principles and laws in making business decisions.	Apply economic reasoning to the problems of management decision making in an optimum manner.
2.	SERVICES MARKETING	To enable the students to gain expert knowledge on marketing of various services.	Create awareness about market and marketing services in commerce / business and marketing.
3.	ADVANCED FINANCIAL MANAGEMENT	To enable the students understand concepts and application of financial management tools.	Familiarising the financial management techniques and to instil the knowledge about accounting procedures methods of financial management.
4.	CORPORATE LAWS	To make the students understand the legal framework with reference to companies in India.	Expertise in the various laws pertaining Indian corporate.
5.	INSURANCE MANAGEMENT	To impart knowledge on the theory of insurance and educate the process of insurance activity in India.	Educating the process of insurance activities in India and to know the concept and function of insurance.
6.	MUTUAL FUNDS – CONCEPTS AND PLANNING	To provide the basic knowledge of Mutual funds.	Acquaint the Students with the Role of Mutual funds, Investors Protection and Regulation of Mutual funds
7.	RESEARCH METHODOLOGY	To make the students understand the research process and methods of presenting reports.	Impart the practical knowledge of doing research.
8.	QUANTITATIVE TECHNIQUES FOR BUSINESS DECISIONS	To acquaint the students with the statistical tools and techniques for managerial decisions.	Understanding the concept of operation research with statistical tools and techniques for managerial decisions.
9.	INCOME TAX THEORY LAW AND PRACTICE	To acquaint students to know the latest income tax law and enable them to file income tax returns.	Acquiring the basic concepts and knowledge about computation of income, submission of income tax return and TDS.
10.	HUMAN	To impart knowledge the	Making a good administrator in the

	RESOURCE MANAGEMENT	concepts and principles of Human Resource Management followed in different types of organisations.	modern business.
11.	ORGANIZATIONAL BEHAVIOUR	To make the students to understand the basics of individual behaviour and group behaviour of people at work and enable them to gain knowledge relating to overall development of the organisations.	Understanding the basis of individual Behaviour and group behavior of people at work and enable them to gain knowledge relating to overall development of the organization.
12.	INTRODUCTION TO INDIAN ECONOMY	To familiarize the feature of Agricultural, Industrial and Service sector of India. To analyze the problem of poverty in India and the various government schemes for eradication of poverty.	Familiarize the students with the role of planning in the development of Indian economy. Help the students to know the typical feature of Globalization and India's foreign trade policies.
13.	ADVANCED CORPORATE ACCOUNTING	To enable the students to understand the detailed concepts of corporate accounting methods from different types of companies.	Expertise the practical usage of accounting techniques in corporates.
14.	INFORMATION TECHNOLOGY CONCEPTS (THEORY)	To enable the students to acquire knowledge in computers, information technology and to develop skills in computerised accounting system both theory and in practical.	Developing skills in computerized accounting system both theory and in practical.
15.	INFORMATION TECHNOLOGY CONCEPTS (PRACTICALS)	To enable the students to acquire knowledge in computers, information technology and to develop skills in computerised accounting system both theory and in practical.	Developing skills in computerized accounting system both theory and in practical.
16.	BRAND MANAGEMENT	To understand concept of brand. To gain expert knowledge in the Brand positioning. To gain Knowledge about Brand valuation.	Create awareness about Brand Portfolio Management and the basic knowledge of Brand Image
17.	PROJECT MANAGEMENT	To impart knowledge on the formation of project to implementation of projects.	Familiarising the students to become successful project manager.
18.	GLOBALIZATION	To analyse the role of	Understand the concepts of globalisation

	AN INTRODUCTION	globalization in the way of growth and development of a nation.	and gain from trade.
19.	STRATEGIC MANAGEMENT	To make and understanding of the concepts and application of strategic management.	Familiarise the various strategies adopted in business.
20.	ADVANCED COST AND MANAGEMENT ACCOUNTING	To create knowledge on various aspects of the branches of cost and management accounting techniques.	Enriching knowledge to become cost and management accountant.
21.	ENTREPRENEURIAL DEVELOPMENT PROGRAMME	To enable the students to understand the conceptual and applied knowledge about entrepreneurship.	Developing appropriate skills in the students so as to make them competent and provide themselves self-employment.
22.	PROJECT	To understand the practical aspects of business research.	Exposure of research theory and tools.
23.	BASICS OF GST (GOODS AND SERVICES TAX)	To Understand the Basics Of GST. To Study the Registration and Computation Of GST.	Acquaint the Students with Filing of Returns in GST. explore the knowledge relating to the penalties and offences relating to GST

## DEPARTMENT OF COMPUTER SCIENCE

<b>Program Outcomes</b>	<b>Program specific outcomes</b>
<p><b><u>B.Sc. Computer Science</u></b></p> <p>Graduates will be able to comprehend the basic concepts learnt and apply in real life situations with analytical skills.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Graduates with acquired skills and enhanced knowledge will be employable / become entrepreneurs or will pursue higher Education.</li> <li><input type="checkbox"/> Graduates with acquired knowledge of modern software tools will be able to contribute effectively as software engineers.</li> <li><input type="checkbox"/> Graduates will be able to comprehend the related concepts to Computer Science with Allied papers</li> <li><input type="checkbox"/> Graduates will be imbibed with ethical values and social concerns to ensure peaceful society.</li> </ul>	<p><b><u>B.Sc. Computer Science</u></b></p> <p>Acquired the required knowledge in the Hardware and Software aspects of Computer Science domain and the art of programming.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Understood the development methodologies of software systems and the ability to analyze design and develop computer applications for real life problems.</li> <li><input type="checkbox"/> Gained knowledge and skills to collaborate and communicate with peers in IT / ITES industries</li> <li><input type="checkbox"/> The ability to understand, adjust and adapt with the dynamic technical environment for the growth of IT industry.</li> <li><input type="checkbox"/> The capacity to transfer the skills gained, to provide innovative and novel solutions by maintaining ethical norms for the betterment of humane society</li> </ul>
<p><b><u>M.Sc. Computer Science</u></b></p>	<p><b><u>M.Sc. Computer Science</u></b></p>
<b>Program Outcomes</b>	<b>Program specific outcomes</b>
<p>Practice and grow as computing professionals, conducting research and/or</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> leading, designing, developing, or maintaining projects in various technical areas of computer science.</li> <li><input type="checkbox"/> Drives scientific and societal advancement through technological</li> <li><input type="checkbox"/> innovation and entrepreneurship</li> <li><input type="checkbox"/> To enable the students, to understand the core concepts, visualize and to apply them in the real time scenarios</li> </ul>	<p>After the successful completion of M.Sc (Computer Science) programme, the Graduates will be able to:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> An ability to apply mathematical model, algorithmic principles, and computer science theory in the design of real-time applications</li> <li><input type="checkbox"/> Get expertise in developing smart applications</li> <li><input type="checkbox"/> Apply computer science theory and software development concepts to construct computing-based solutions.</li> <li><input type="checkbox"/> Discover the opportunity for entrepreneurship and create and add value for the betterment of an individual and society at</li> </ul>

	<p>large.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Use research-based knowledge and research methods to design, analyze, and interpret data and synthesize information to provide valid findings to serve the community.</li> </ul>
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<b>Course outcomes</b>
<p><b><u>B.Sc. Computer Science</u></b></p> <p><b><u>SEMESTER – I</u></b></p> <p><b><u>i) CORE COURSE - I</u></b>  <b><u>PROGRAMMING IN C AND</u></b>  <b><u>DATA STRUCTURES:</u></b></p> <p>Upon successful completion of this course the students would be able to:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Summarize the basic knowledge to develop C programs</li> <li><input type="checkbox"/> Manipulate Looping, arrays and functions</li> <li><input type="checkbox"/> Apply and write programs for solving real world problems</li> <li><input type="checkbox"/> Create open, read, manipulate, write and close files.</li> <li><input type="checkbox"/> Understand the basic concepts in data structures</li> </ul> <p><b><u>ii) CORE PRACTICAL I</u></b>  <b><u>PROGRAMMING IN C LAB</u></b>  <b><u>COURSE OUTCOMES:</u></b></p> <p>Upon successful completion of this course the students would be able to:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Relate the use of language constructs to solve simple programs</li> <li><input type="checkbox"/> Develop programs for various concepts in C language</li> <li><input type="checkbox"/> Understand and trace the execution of the list of programs</li> <li><input type="checkbox"/> Understand</li> </ul> <p><b><u>SEMESTER –II</u></b></p> <p><b><u>iii) CORE COURSE II</u></b>  <b><u>PROGRAMMING IN JAVA:</u></b>  <b><u>COURSE OUTCOMES:</u></b></p> <p>Upon successful completion of this course the students would be able to:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Understand the concept of OOP as well as the purpose and usage principles of inheritance, polymorphism, encapsulation and method overloading.</li> <li><input type="checkbox"/> Identify members of a class and to implement them</li> <li><input type="checkbox"/> Create Java application programs using sound OOP practices (e.g., interfaces and APIs) and proper program structuring (e.g., by using access</li> </ul>

control identifies, and create user define package for specific task,(reusability concepts) error exception handling)

- Develop programs using the Java standard class library.
- Develop software using Java programming language, (using applet, AWT controls, and JDBC).

**iv) CORE PRACTICAL II**  
**PROGRAMMING IN JAVA LAB:**

**Course Outcomes:**

Upon successful completion of this course the students would be able to:

- Develop java programs to understand the OOP concepts.
- Write java programs for classes and objects.
- Develop simple programs with multiple threads.
- Write java programs using Applets.
- Develop java programs to connect databases and files.

**SEMESTER –III**

**v) CORE COURSE III**  
**PROGRAMMING IN PYTHON:**

**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Understand the features of python programming language
- Know the various programming mechanism used in python
- Apply various language constructs to write simple programs in python
- Understand the application of object oriented concepts in python
- Know the working of exception handling in python.

**vi) CORE PRACTICAL III**  
**PROGRAMMING IN PYTHON LAB:**

**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

1. write simple programs using control structures, functions and strings
2. develop programs using tuples, lists, sets and dictionary
3. write simple programs using Constructors, Method overloading and inheritance
4. develop programs using files and regular expressions
5. write simple programs using packages and exception handling

**SEMESTER –IV**

**vii) MAJOR BASED ELECTIVE I FUNDAMENTALS OF INFORMATION TECHNOLOGY:**

**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Understand basic concepts and terminologies in IT and IT-enabled services.
- Understanding personal computers and their operations.

- Understand about operating systems and database management
- Comprehend about WWW, internet, email and web design concepts
- Respond to computer security issues

**viii) CORE COURSE IV**

**DATABASE MANAGEMENT SYSTEMS:**

**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Understand the basic concepts of Database Systems
- Know about SQL queries to interact with Database
- Design a Database using ER Modelling
- Apply normalization on database design to eliminate anomalies
- Analyze database transactions and to control them by applying ACID properties.

**ix) CORE PRACTICAL IV**

**DATABASE MANAGEMENT SYSTEMS LAB:**

**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Write queries to manipulate data.
- Demonstrate the aggregate functions and set operations.
- Apply the join operations.
- Know about usage of nested sub queries.
- Understand the method to create views.

**SEMESTER –V**

**x) NON-MAJOR ELECTIVE- II WORKING PRINCIPLES OF INTERNET:**

**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Understand the evolution of the Internet.
- Know the basic knowledge of the web
- Comprehend the protocols and standards used throughout the Internet.
- Discuss a variety of Internet and WWW applications and related technologies.
- Evaluate the opportunities and threats created by interconnecting computers via the Internet.

**xi) CORE COURSE V**

**FUNDAMENTALS OF ALGORITHMS:**

**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Know the basic concepts of algorithms
- Understand trees and shortest path algorithms.
- Compare and contrast different sorting algorithms
- Comprehend greedy and optimality algorithms.
- Appreciate the backtracking concept and its different algorithms

**xii) CORE COURSE VI**

**COMPUTER NETWORKS:**



**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Recall the basic concepts of computer networks
- Summarize the technical specifications of various layers of OSI model in a computer network
- Identify the appropriate protocols and standards for computer networks
- Classify technical factors of cellular networks and satellite communication
- Know about the different functionalities of an application layer.

**xiii) CORE COURSE VII**

**DIGITAL ELECTRONICS AND MICROPROCESSOR:**

**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Understand about various number systems
- Know about Boolean Algebra and Logic Gates
- Draw and explain Combinational circuits
- Explain the Evolution of Microprocessors
- Use the Instruction Set of Intel 8085 in simple programs.

**xiv) CORE PRACTICAL V**

**DIGITAL ELECTRONICS AND MICROPROCESSOR**

**LAB:**

**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Verify the logic gate and the working of Adder and subtractors
- Construct and study the function of Shift registers
- Understand the working of Up Down Counters
- To write simple ALPs and execute them
- To manipulate an array with ALP.

**xv) MAJOR BASED ELECTIVE COMPUTER GRAPHICS**

**Code**

**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Understand the basics of Computer Graphics, Different Graphics Systems and Applications of Computer Graphics.
- Learn Algorithms for Scan Conversion and filling of Basic Objects and their Comparative Analysis.
- Use of Geometric Transformations on Graphical Objects and their Application in Composite form.
- Apply 2D Geometric Transformations
- Use 3D Geometric and Modelling Transformations.

**xvi) SKILL BASED ELECTIVE I**

**WEB TECHNOLOGY:**

**COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Understand and apply the webpage concepts.
- Develop static and dynamic web pages
- Understand the feature of JavaScript and VB Script

- Develop knowledge about XML fundamentals and usage of XML technology.
- Understand about the web design with XSL and data validation with DTD

### **SEMESTER –VI**

#### **xvii) CORE COURSE VIII**

##### **OPERATING SYSTEMS:**

##### **COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Recall the basic principles and importance of the operating system in a computer
- Illustrate the objectives and functions of the operating system components
- Identify the various operating system techniques
- Analyze the issues and challenges of the operating system and security mechanisms
- Evaluate the functions and features of file management in operating systems.

#### **xviii) CORE COURSE IX**

##### **PROGRAMMING IN PHP:**

##### **COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Understand the fundamental knowledge of developing web applications with PHP.
- Illustrate the advanced concepts like strings, arrays and functions
- Design Web based applications.
- Analyze and solve various database tasks using PHP.
- Develop AJAX based applications.

#### **xix) CORE PRACTICAL VI**

##### **PROGRAMMING IN PHP**

##### **Code (Practical):**

##### **COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

1. Learn PHP programming on handling strings and arrays.
2. Design web pages for different applications with MYSQL
3. Handle files, sessions and cookies by downloading a file from the server,
4. Develop real-time applications.
5. Gain experience in drawing images using Ajax.

#### **xx) MAJOR BASED ELECTIVE II**

##### **SOFTWARE ENGINEERING:**

##### **COURSE OUTCOMES:**

Upon successful completion of this course the students would be able to:

- Recall the various techniques of software process models.
- Understand the requirements for a software project.
- Develop frameworks for software projects.
- Apply the knowledge, techniques, and skills in the development of a software product.
- Make use of web engineering concepts for software development.

## Course outcomes

### **SEMESTER – I**

#### **I) CORE COURSE I MATHEMATICAL FOUNDATION FOR COMPUTER SCIENCE:**

##### **COURSE OUTCOMES:**

On successful completion of this course, students will be able to:

- Apply the basis of the mathematical applications.
- Apply iterative methods (Gauss Jordan, Gauss Elimination and Jacobi) to solve systems of linear equations.
- Understand Propositions, tautologies and inference rules.
- Use sets and operations on sets.
- Formulate problems and apply testing of hypothesis.

#### **CORE COURSE II II) PROBLEM SOLVING USING PYTHON**

##### **AND R:**

##### **COURSE OUTCOMES:**

On successful completion of this course, students will be able to:

- Write Python programs using Python data structures
- Develop object oriented programs in Python
- Manipulate files using Python
- Apply the Python libraries NumPy and Pandas for problem solving
- Write R programs for data visualization.

#### **III) CORE CHOICE COURSE I - ADVANCED JAVA PROGRAMMING**

##### **Code: (Theory):**

##### **COURSE OUTCOMES:**

After completion of this course, the students will be able to:

- Understand the design patterns
- Develop a Graphical User Interface (GUI) with Applet.
- Develop a Client-Server Application with Database Maintenance.
- Develop a program using Servlet and JSP.
- Develop programs that use interfaces. Work on search engine, JSP Engines, etc.

#### **IV) CORE CHOICE COURSE I WEB TECHNOLOGIES**

##### **Code: (Theory):**

##### **COURSE OUTCOMES:**

On the successful completion of this course, Students will be able to:

- Design a web page with Web form fundamentals and web control classes
- Recognize the importance of validation control, cookies and session
- Apply the knowledge of ASP.NET object, ADO.NET data access and SQL to develop a client server model.
- Recognize the difference between Data list and Data grid controls in accessing data.
- Know the code optimization techniques; Understand the techniques of Internet, JavaScript, XML, JSP, ASP with a view to developing professional software development skills.

**V) CORE ELECTIVE I**  
**COMPUTER GRAPHICS AND**  
**MULTIMEDIA**

**Code: (Theory):**

**COURSE OUTCOMES:**

On completion of this course, the students will be able to:

- Understand the graphics hardware
- Get knowledge about Raster Graphics for drawing 2\_D primitives
- Understand 3D Transformations
- Gain knowledge about different types of curves
- Understand Multimedia components.

**VI) VALUE ADDED COURSE I**  
**SECURITY IN COMPUTING:**

**COURSE OUTCOMES:**

- Understand the basic concepts of information security – Threats, Vulnerabilities and Controls
- Examine various malwares and program flaws
- Compare Security enabled in conventional and trusted operating systems.
- Understand various security measures in database management systems
- Gain knowledge on network threats and security techniques.

**SEMESTER II**

**VII) CORE COURSE III**  
**ADVANCED DATABASE MANAGEMENT**  
**SYSTEM**

**Code: (Theory):**

**COURSE OUTCOMES:**

- Revise the components, functions and various database Design techniques used for modelling the databases management system.
- Examine the clauses and functions of SQL and write optimal queries in the above languages.
- Design entity-relationship diagrams to represent simple Database application scenarios and can apply the database schema Normalization rules and techniques to criticize and improve the data base design.
- Analyze the concept of transaction processing, concurrent transaction processing and recovery procedures.
- Employ the NoSQL database concepts

**VIII) CORE COURSE IV**  
**COMPILER DESIGN**

**Code:**

**COURSE OUTCOMES:**

On completion of the course, students will be able to

- Understand the fundamentals of a compiler.

- Get knowledge about the context-free grammars and various parsing techniques.
- Understand the lexical analyzer and syntax analyzer of Compiler.
- Understand the types and sources of errors, from the compilers perspective.
- Know the procedures and principles involved in the machine code generation.

**IX) CORE CHOICE COURSE II**

**DISTRIBUTED TECHNOLOGIES**

**Code: COURSE OUTCOMES:**

On completion of the course the student will be able to:

- Compare the architectures of distributed systems;
- Differentiate the technologies associated with presentation and interaction services;
- Have sound knowledge in developing applications with components;
- Understand the art of developing ASP.NET pages with web server and HTML controls;
- Become familiar with the disconnected data access technology in ADO.NET.

**X) ELECTIVE COURSE II**

**E-COMMERCE TECHNOLOGIES**

**Code: (Theory):**

**COURSE OUTCOMES:**

On completion of this course, the students will be able to:

- Gain the understanding of the concepts of Electronic commerce and its application;
- Classify different services providers and their services and tools
- Understand the ecommerce framework.
- Gain the knowledge on E-Payment system.
- Understand e-commerce transactions with respect to Internet.

**XI) NON MAJOR ELECTIVE I**

**FUNDAMENTALS OF INFORMATION**

**TECHNOLOGY:**

**COURSE OUTCOMES:**

At the end of the course, the students will be able:]

- To know the latest trends in information technology
- To understand the fundamentals of computers
- To gain knowledge about networks
- To acquire knowledge about different software
- To understand Internet basics

**SEMESTER III**

**XII) CORE COURSE V**

**BIG DATA ANALYTICS**

**Code:**

**COURSE OUTCOMES:**

Upon completion of the course, the student are expected to:

- Understand the big data environment.
- Understand the concepts of analytics

- Understand the unstructured databases.
- Analyze the Big Data framework like Hadoop and NOSQL to efficiently store and process Big Data to generate analytics.
- Reveal the MapReduce technologies.

**XIII) CORE COURSE VI**  
**ARTIFICIAL INTELLIGENCE AND**  
**MACHINE LEARNING**

**Code:**

**COURSE OUTCOMES:**

- Recognize the characteristics of Machine Learning techniques that enable to solve real world problems
- Recognize the characteristics of machine learning strategies
- Apply various supervised learning methods to appropriate problems
- Identify and integrate more than one techniques to enhance the performance of learning
- Understand basic AI Techniques

**XIV) CORE CHOICE COURSE III CRYPTOGRAPHY AND NETWORK**  
**SECURITY**

**Code:**

**COURSE OUTCOMES:**

On completion of the course, students should be able to:

- Remember the terminologies used in security.
- Learn the encryption techniques
- Understand the various advanced encryption techniques.
- Know the public key cryptography techniques
- Understand wireless network security

**XV) ELECTIVE COURSE III**  
**DIGITAL IMAGE PROCESSING**

**Code:**

**COURSE OUTCOMES:**

At the end of this course, students should able to

1. Review the fundamental concepts of a digital image processing system a
2. Analyze images in the frequency domain using various transforms.
3. Evaluate the techniques for image enhancement and image restoration. Categorize various compression techniques.
4. Interpret Image compression standards, and Interpret image segmentation and representation techniques.
5. Gain idea to process various image used in various fields such as weather forecasting, Diagnosis of various disease using image such as tumour, cancer etc.

**XVI) NON MAJOR ELECTIVE II FUNDAMENTALS OF INTERNET**

**Code:**

**COURSE OUTCOMES:**

At the end of the course, the students will be able:

- To acquire knowledge about Domain name system

- To understand E-Commerce
- To know the blogs
- To understand the fundamentals of social networks
- To Gain the knowledge about Internet threats

#### **SEMESTER IV**

##### **XVII) CORE COURSE VII AGILE TECHNOLOGIES**

###### **Code: COURSE OUTCOMES:**

Upon completion of the course, the students will be able to:

- Realize the importance of interacting with business stakeholders in determining the requirements for a software system;
- Perform iterative software development processes: how to plan them, how to execute them.
- Develop techniques and tools for improving team collaboration and software quality.
- Understand requirement engineering
- Understand quality assurance

##### **XVIII) CORE COURSE VIII CLOUD COMPUTING**

###### **Code: COURSE OUTCOMES:**

On completion of this course, the students will be able to:

- Understand the concept of virtualization and how this has enabled the development of Cloud Computing
- Know the fundamentals of cloud, cloud Architectures and types of services in cloud
- Understand scaling, cloud security and disaster management
- Design different Applications in cloud
- Explore some important cloud computing driven commercial systems.

##### **XIX) ENTREPRENEURSHIP INDUSTRY BASED COURSE**

###### **TECHNOLOGY INNOVATION AND**

###### **SUSTAINABLE ENTERPRISE:**

###### **Course Outcomes:**

At the end of the course, the students will be able to:

- Identify entrepreneurial traits.
- Develop comprehensive business plans.
- Prepare plans to manage the enterprise effectively.
- Acquire knowledge about Web Marketing
- Understand ERP techniques

##### **XX) VALUE ADDED COURSE II Semester III**

###### **FOUNDATIONS OF IOT:**

###### **COURSE OUTCOMES:**

On Completion of the course, student will be able:

- To learn and understand the technology and current trends in Internet of things.
- To understand the various elements of IoT system and hardware devices.
- To learn the programming languages and platforms for building IoT

applications.

To understand the cloud computing and its relevance for developing IoT

applications.

To understand IoT connective technologies



## DEPARTMENT OF ECONOMICS

Sl. No.	Department	Programme Specific Outcome
1	B.A. Economics	i) To make the students to conceptualise, synthesise and resolve complex economic issues challenging the economy and the local issues in particular through the knowledge about the optimum utilization of resources. ii) To develop and update knowledge acquired and disseminate it through creative and innovative manner. iii) To inculcate the spirit of entrepreneurship among the students community by equipping them to evaluate the entrepreneurial opportunities.
2	M.A. Economics	i) To apply social and ethical ethos and thereby practice as a dutiful economist in society. ii) To equip the students to create and apply appropriate models and techniques to solve complex situation. iii) To update the students with contemporary economic issues through specialisation

### Course Outcome Objectives - B.A. Economics

Sl. No.	Course	Course Objectives
1	Micro Economics I	To know the underlying concepts of Micro Economics especially the consumption and production aspects
2	Tamil Nadu Economy	To know the demographic and economic profile of Tamil Nadu economy
3	Principles of Commerce	To enable the students for identifying the broad principles of commerce
4	Value Education	To enable the students for imparting values of human rights
5	Micro Economics – II	To know the underlying concepts of Micro Economics especially the exchange and distribution aspects
6	Indian Economic Development	To understand the basic features of Indian economy
7	Economic Statistics	To know the students the applications of statistics in Economics
8	Environmental Studies	To study the various aspects of Environmental Economics.
9	Professional English for Arts and Social Sciences - I	To study the various aspects of Professional English for Arts and Social Sciences.
10	Macro Economics- 1	To understand the policy perspectives of Macro economics
11	Money and Banking	To make the students familiar with the role of money and functions of banking sector
12	Economic Statistics	To know the students for better understanding of the overall picture of Economic statistics
13	Elements of Insurance	To equip the students for better understanding of the Elements

		of Insurance
14	Macro Economics – II	To familiarize students with the various contemporary developments in Macroeconomic theory and practice.
15	Monetary Economics	To enable the students for familiarizing the applications of Monetary Economics
16	Statistical Methods	To make students aware of the various recent developments in Statistical Methods
17	Salesmanship	To specify the nuances of sales management
18	An Introduction to Marketing Management	To make students aware of the various recent developments in Marketing Management
19	Public Finance	To equip the students with the tools of public finance.
20	Economics of Growth and Development	To understand the indicators and theories of growth in Economics discipline
21	International Economics	To understand the emerging scenario of Global economy
22	History of Economic Thought	To trace the historical perspectives of various modes economic thought
23	Capital Market	To know the structure and role of capital market institutions
24	Sales Management	To make the students to understand the applications of management technique in the promotion of sales
25	Retail Management	To understand the emerging scenario of retail management
26	Soft Skill Development	To equip the students for inculcating soft skills in their life
27	Agricultural Economics	To analyse the problems associated with agriculture and the role in Indian economy
28	Human Resource Management	To familiarize the students theories of human capital and its relevance in Economics discipline
29	Environmental Economics	To study the various aspects of Environmental Economics.
30	Entrepreneurship Development	To inculcate the skills of successful entrepreneurs among the students
31	Economics of Insurance	To specify the economic aspects of insurance
32	Gender Studies	To familiarize the students the various dimensions of Gender studies

### Course Outcome Objectives - M.A. Economics

Sl.No.	Course	Course Objectives
1	Micro Economics – I	To know the students the advanced techniques of Micro Economics
2	Macro Economics – I	To study the fundamental axioms of Macro Economics
3	Monetary Economics	To know the terminologies and theoretical perspectives of Monetary Economics
4	Energy Economics	To know the underlying concepts of Energy Economics
5	Environmental Economics	To chart out the environmental problems and the environmental policy perspectives
6	VAC: Calculation of Income Tax	To know the various concepts of Income tax in Indian setting
7	Micro Economics - II	To specify the modern advancements in Micro Economic theory

8	Macro Economics - II	To make the students to familiarize with the stabilization policy and macro economics in open economy
9	Mathematical methods for Economic Analysis	To equip the students to handle the mathematical tools in Economic analysis
10	Labour Economics	To equip the students to have broad understanding about the industrial structure and labourers
11	Computer Applications in Economics	To know the various applications of computer in Economic analysis
12	Introduction to Accounting	To know the various concepts of accounting
13	Indian Economy	To analyse the features of Indian economy
14	International Business	To understand the emerging trends in international business
15	Industrial Economics	To study the trends in various aspects of Industrial sector of Indian economy
16	Fiscal Economics	To know the tools of public finance
17	Project Appraisal	To know the elements and techniques of Project appraisal
18	Economics of Growth & Development	To know the theoretical framework of growth and its implications
19	Economics of Natural Resources	To know the various types of natural resources and its rationale.
20	Management Information Systems	To study the various components of MIS and its relevance in modern day context
21	Computer Applications in Economics	To know the various applications of computer in Economic analysis
22	Project Work	To help the students for practical exposure about various areas of Economics through field work

## DEPARTMENT OF ENGLISH

### UG PROGRAMME SEMESTER-I PROSE

#### OBJECTIVES:

- To acquaint the students with lives and works of great writers of prose.
- To instigate a sense of aesthetic beauty and love of aspiration.
- To provide some moral lesson through the essays.

#### COURSE OUTCOMES:

After completion of the course the students will be able to realize the following outcomes:

- To develop a knowledge about different genres of prose
- To get an idea about the development of prose through ages
- To expose the student to early English Literature and transition
- To understand the linguistic changes that took place during this period
- To provide knowledge about socio-cultural and historical development of this period

### WORLD SHORT STORIES

#### OBJECTIVES:

- To explore these sequences in a story by knowing its themes, strategies and techniques employed by the writers and create an insight of various cultures of the world.
- To identify the characters and convey moral, ethical and cultural values.
- To enhance vocabulary knowledge of learning new words and phrases.

#### COURSE OUTCOMES:

After completion of the course the students will be able to realize the following outcomes:

- Analyze the style of writing and examine the story, plot and themes.
- Classify the different types of characters in real life situations.
- Understand the meanings of difficult words/phrases.
- Write or narrate a story creatively in own words.
- Recall and relate stories from different parts of the world.
- Explain and apply the values and understand that virtues always excel over vices.
- Empower to think creatively and discover the innate talent of short story writers.

### SOCIAL HISTORY OF ENGLAND

#### OBJECTIVES:

- To help learners understand the social and literary history of England from the Middle Ages to the 20th century
- To make learners aware of the relation between socio-political and socio-religious events and literary works

#### COURSE OUTCOMES:

After completion of the course the students will be able to realize the following outcomes:

- Acquire knowledge of the course of British social history.
- Realize the major trends which have shaped English society
- Identify the key themes which encapsulate each period.
- Relate the socio-historical background to literature.
- Understand the impact of historical events on writers of each age.
- Explore the contemporary social history of England.

## **SEMESTER-II**

### **POETRY-I**

#### **OBJECTIVES:**

- To introduce learners to the changing trends in English poetry from Age of Renaissance to Johnson.
- To help learners analyse and appreciate poetry critically

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Identify the essential elements of poetry.
- Appreciate the tone and theme, sound devices metre, rhythm, rhyme scheme
- Explain the figures of speech used in the poems.
- Understand the different types of poetry.
- Analyze myths and biblical references of the poem.
- Examine the contemporary life of England as portrayed

### **FICTION**

#### **OBJECTIVES:**

- To introduce fiction as a literary genre.
- To familiarize learners with various techniques of fiction.
- To enable the learner to understand fiction as a tool for enhancing reading skills.
- To orient the learners towards understanding the chronological development of fiction.
- To motivate the learner to write screenplay for the prescribed

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Understand fiction as a literary genre.
- Gain a grip over skimming and scanning methods of reading.
- Develop the various methods of storytelling.
- Transform fiction into modern screenplay.
- Familiarize themselves with contemporary popular fiction.
- Appreciate the theme, characterization and setting of the novel.

### **LITERARY FORMS**

#### **OBJECTIVES:**

- To initiate learners into the study of various literary forms
- To enable learners to understand the literary terms while analyzing and interpreting the works of literature

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Identify a wide variety of forms, styles and genres in English literature.
- Understand the significance of these forms in determining the meaning of texts.
- Have access to elementary literary vocabulary.
- Possess the basic skills required for the reading and understanding of literature.
- Acquire the ability to appreciate literature through analytical and responsive reading.
- Observe present trends in literary writings.

## **SEMESTER-III**

### **POETRY-II**

**OBJECTIVES:**

- To enable learners to comprehend the salient features of various types of poetry from the Romantics up to T. S. Eliot
- To make learners sharpen their poetic sensibility and stylistic skills

**COURSE OUTCOMES:**

**After completion of this course, the student will be able to:**

- Recognize poetry from a variety of cultures, languages and historic periods.
- Analyze the various elements of poetry, such as diction, tone, form, genre, imagery, figures of speech, symbolism, theme, etc.
- Explain the features of different types of poetry.
- Recognize the influence of culture and experience of poets.
- Read and discuss selected poems in translation and enhance their writing skills.
- Identify the variations of poetic forms.

## **WORLD ONE–ACT PLAYS**

**OBJECTIVES:**

- To provide a deep insight in one–act plays of knowing different cultures, traditions and values across the globe.
- To expose learners to the sociological and psychological dimensions of characterisation and focus the reality in life.
- To explore the genres of one–act plays and analyze the themes, stage performance, reading skill, style of the writers and writing plays.

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Identify and discuss the theoretical elements of one–act plays.
- Explore the diverse cultures, traditional approaches and values in a play.
- Analyze critically the themes, plot and cultural aspects of the play.
- Complete reading and writing enhanced with expression and style.
- Explore the techniques of staging one-act plays
- Empower the innate talent to be creative writers of one–act plays.

## HISTORY OF ENGLISH LITERATURE-I

### OBJECTIVES:

- To help learners know the literary history of the texts from the Age of Chaucer to Dryden

To make learners understand the rise and fall of literary movements and their relationship to socio-political and socio-religious events

### COURSE OUTCOMES:

**After completion of the course the students will be able to realize the following outcomes:**

- Understand the growth and development of English literature
- Gain perspective on the different issues and themes presented during each period.
- Recognize growth of various literary genres, movements and schools in English literature.
- Acquire knowledge about the major writers and their contributions to English literature
- Evaluate the ways socio-cultural and historical phenomena influenced literary writing.
- Comment on the influence of classical writers in the 21<sup>st</sup> Century

## SEMESTER-IV DRAMA

### OBJECTIVES:

- To introduce drama as a literary genre.
- To introduce drama as a literary genre.
- To familiarize learners with various techniques of drama.
- To orient the learners towards understanding the chronological development of drama studies.
- To enable the learner to understand drama as a form of performance studies.
- To motivate the learner to experiment with their creative skills in staging performances of the prescribed plays

### COURSE OUTCOMES:

**After completion of the course the students will be able to realize the following outcomes:**

- Understand the theatrical skills.
- Opt for performance studies as a field of research and career.
- Compare and contrast the classical and modern techniques of drama as a discourse and performance.
- Compose their own versions of classical drama.
- Imbibe the ability to direct short films, reels and trolleys for various social media and as OERs.
- Develop the expertise in the techniques of film adaptation.

## INTRODUCTION TO LANGUAGE AND LINGUISTICS

### OBJECTIVES:

- To introduce learners to the history of English language and concepts in linguistics
- To enable learners to know the form and content of language and its scientific systems

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Understand the discourse of linguistics.
- Describe the theoretical and practical manifestations of linguistics.
- Explain the origin of the English Language and its development.
- Classify and describe the English speech sounds and understand speech patterns in sentences.
- Gain knowledge of the main concepts of syntax and semantics.
- Analyze the link between the language, society and culture

## **HISTORY OF ENGLISH LITERATURE-II**

**OBJECTIVES:**

- To expose learners to the historical background of the literary texts from the Age of Pope to the Present Age
- To make learners understand the rise and fall of literary movements and their relationship to socio-political and socio-religious events

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Understand the growth and development of English literature
- Gain perspective on the different issues and themes presented during each period.
- Recognize growth of various literary genres, movements and schools in English literature.
- Acquire knowledge about the major writers and their contributions to English literature.
- Evaluate the ways socio-cultural and historical phenomena influenced literary writing.
- Develop the basic skills to prepare for competitive examinations.

## **SEMESTER-V SHAKESPEARE**

**OBJECTIVES:**

- To provide an understanding of Elizabethan and Jacobean context.
- To engage learners with the themes, dramatic texts and devices.
- To enable learners to know about style of writing in Shakespearean context.

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Gain insight into the age of Shakespeare and the uniqueness of Shakespearean creative output.
- Recognize the greatness of Shakespeare in the usage of language and characterization.
- Understand the personality traits of dominant characters.
- Gain a working knowledge of communicative strategies and like skills.



- Experience and derive meaning from life-like situations.
- Evaluate Shakespeare's characters in today's society.

### **PRINCIPLES OF LITERARY CRITICISM**

#### **OBJECTIVES:**

- To acquaint learners with the knowledge of history of literary criticism, its various trends and schools.
- To help learners apply literary theory to texts in order to enrich their understanding and appreciation of literature
- To make learners understand Wilbur Scott's five approaches to literature

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Define critical terms and concepts from classical criticism to the contemporary criticism.
- Gain knowledge of various critical theories, approaches and schools of thought.
- Identify the major contributors to literary criticism and their ideas.
- Develop skills to analyze and interpret texts critically by close reading.
- Attempt practical criticism of short plays, passages and poems.
- Understand literature as more than a creative act.

### **AMERICAN LITERATURE**

#### **OBJECTIVES:**

- To introduce learners to important aspects in various genres of American literature.
- To help learners get acquainted with the richness of American literature through representative works of poets, essayists and novelists.
- To enable learners to know more about American writers and their works.

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Obtain knowledge about the major writers and their contribution to American Literature.
- Appreciate the richness of American literature across various forms of literature – poetry, prose, drama, short story and novel
- Describe the significant aspects of various genres of American literature.
- Examine the issues discussed in the text within the socio-historical and cultural context.
- Apply the knowledge gained in the study of literature and become a critical reader.
- Understand multi-culturalism in America.

### **INDIAN CULTURE AND LITERATURE**

#### **OBJECTIVES:**

- To familiarize the students with the evolution of Indian Literature in English and the contribution of major writers to Indian Literature in English.
- To enable the students, understand the rich literary tradition and the contemporary relevance of various themes discussed in their writings.

- To introduce the students to the significant themes and techniques of Indian Literature in English and make them appreciate the changing trends in post-colonial and political context.

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Understand the major movements and writers of Indian Writing in English.
- Analyze and appreciate the concept of 'Indianness' found in the works of Indian writers.
- Understand how well the Indian culture is reflected in Literature and how the cultural and societal issues are presented in Indian English literature.
- Recognize the artistic and innovative use of language employed by the writers.
- Appreciate values and traditions represented in literary texts of colonial and postcolonial period.
- Develop an insight in Indian Literature and Indian Values

### **TRANSLATION: THEORY AND PRACTICE**

#### **OBJECTIVES:**

- To familiarize learners with the history and theory of translation
- To introduce learners to the techniques involved in translation
- To make learners translate prose passages from English to Tamil and vice versa

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Understand the significance of translation studies in enriching literature.
- Define the basic concepts of translation theory and terminology relevant to practical translation.
- Explore the challenges and difficulties of translation across languages.
- Understand and appreciate works of different languages by reading the translated works in English.
- Develop translation skills by reading and translating small pieces of fiction into English.
- Analyze the issues related to cultural untranslatability.

### **SEMESTER-VI INDIAN WRITING IN ENGLISH**

#### **OBJECTIVES:**

- To familiarize the students with the evolution of Indian Literature in English and the contribution of major writers to Indian Literature in English.
- To enable the students, understand the rich literary tradition and the contemporary relevance of various themes discussed in their writings.
- To introduce the students to the significant themes and techniques of Indian Literature in English and make them appreciate the changing trends in post-colonial and political context.

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Understand the major movements and writers of Indian Writing in English.
- Analyze and appreciate the concept of 'Indianness' found in the works of Indian writers.
- Understand how well the Indian culture is reflected in Literature and how the cultural and societal issues are presented in Indian English literature.
- Recognize the artistic and innovative use of language employed by the writers.
- Appreciate values and traditions represented in literary texts of colonial and postcolonial period.
- Develop an insight in Indian Literature and Indian Values

**COMMONWEALTH LITERATURE****OBJECTIVES:**

- To appreciate literary works from various countries that were once under British colonial rule as a branch of English Literature in general.
- To recognize that 'Commonwealth Writing' has a global relevance, significance, and resonance
- To analyze and assess the postcolonial characteristics of Commonwealth literature.
- To realize translation studies' contribution to Commonwealth literature.
- To examine the importance of reading these texts in wake of globalization critically.

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Appreciate the literary works of Commonwealth countries after understanding the content related to the continents.
- Recognize the relevance, significance and resonance of the literary works in Commonwealth Literature.
- Evaluate the major themes and literary trends in Commonwealth Literature.
- Analyze and assess the postcolonial aspects in Commonwealth Literature.
- Refine the skills of oral and written presentations and discuss the hurdles in creative writing.
- Understand the global relevance of commonwealth literature in the contemporary world.

**ENGLISH LANGUAGE TEACHING****OBJECTIVES:**

- To expose learners to various approaches and methods, aspects and strategies of teaching English
- To help learners understand the essential components and concepts of language teaching

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Analyze the significance of English as a second language in India.
- Describe the various approaches and methods in language teaching.
- Classify the different methods of teaching English and evaluation.
- Explain the principles of testing and evaluation and its types.
- Comment on the contemporary instructional aids used in teaching English.
- Explore the effective use of modern gadgets in language teaching.

**JOURNALISM**

**OBJECTIVES:**

- To initiate learners into the history of journalism
- To expose learners to various aspects of journalism

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Trace the history of journalism and the different stages of its development
- Gain knowledge in the basic aspects of journalistic crafts such as reporting, research and storytelling.
- Understand the factors that influence the message in a diverse, globalized media landscape.
- Create journalistic works including news stories, press releases, and advertising copy, following accepted journalistic standards.
- Focus on an area of specialization that draws on the creativity and entrepreneurial spirit of the student.
- Develop the ability to write news stories
- Understand the techniques of writing for digital media

**ENGLISH FOR COMPETITIVE EXAMINATIONS****OBJECTIVES:**

- To instill confidence in learners and improve their language skills to face the challenges of a competitive examination
- To equip learners with adequate English language skills to achieve success in competitive examinations

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Acquire an appreciable understanding of grammar, comprehension and vocabulary.
- Produce grammatically and idiomatically correct spoken and written discourse.
- Spot language errors and correct them
- Understand basic sentence patterns and various types of phrases.
- Learn to perform and excel in the competitive examinations

**PG PROGRAMME  
SEMESTER-I  
LANGUAGE AND LINGUISTICS**

**OBJECTIVES:**

- To provide learners an insight into the nature of language
- To familiarize learners with the discourse of linguistics and to expose them to theoretical and practical manifestations of linguistics
- To enable learners to understand the link between literature and society

**COURSE OUTCOMES:**

- Understand how language, society and culture are related.
- Describe the theoretical and practical manifestations of linguistics.
- Understand the discourse of linguistics.
- Explain the origin of the English Language and its development.
- Explain the various implications of word formation.
- Establish a relationship between linguistics and language teaching.

### **MODERN LITERATURE – I (1400-1660)**

#### **OBJECTIVES:**

- To introduce learners to the evolution of Old English and classical English literature
- To familiarise them with the salient features of classical and metaphysical poetry
- To trace the origin and development of English essays and plays

#### **COURSE OUTCOMES:**

**After the completion of the course the students will be able to realise the following outcomes:**

- Demonstrate the literary techniques and style employed during the classical age.
- Promote the learning of the various poetic devices
- Establish a link between literature and society
- Prepare for qualifying and competitive examinations in English literature.
- Trace the development of the English language and society.
- Equip the readers with the techniques of teaching English literature.

### **MODERN LITERATURE – II (1660 – 1798)**

#### **OBJECTIVES :**

- To expose learners to the changing trends in English poetry from Milton to Pre – Romantics.
- To make learners understand the prose allegory of the Restoration period and varied prose works of the Age of Pope.
- To make learners know the salient features of anti-sentimental comedy and Restoration comedy.

#### **COURSE OUTCOMES:**

**After the completion of the course the students will be able to realise the following outcomes:**

- Demonstrate the literary techniques and style employed during the classical age.
- Promote the learning of the various poetic devices
- Establish a link between literature and society
- Prepare for qualifying and competitive examinations in English literature.
- Trace the development of the English language and society.

- Equip the readers with the techniques of teaching English literature.

## **INTRODUCTION TO COMPARATIVE LITERATURE**

### **OBJECTIVES:**

- To make the students learn the evolution of Comparative Literature
- To initiate the students to Influence studies and Parallel Studies
- To make the students realize the relationship Literature has with Psychology and various Arts

### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realise the following outcomes:**

- Explain the evolution of Comparative Literature
  - Describe the salient features of the French and American Schools of CL
  - Realize the methodology employed in Influence and Parallel Studies
  - Understand the finer points of the methodology, reception study and study of the genres
  - Spell out the relationship Literature has with society and religion
- Comment on the relationship Literature has with Psychology and various Arts

## **CHILDREN'S LITERATURE**

### **OBJECTIVES:**

- To provide an overview of the history of children's literature from its origins
- To analyse the different ways of representation of childhood in literature
- To explore the social, political and literary issues portrayed in children's literature

### **COURSE OUTCOMES:**

**After the completion of the course the students will be able to realise the following outcomes:**

- Appreciate and evaluate the portrayal of childhood in Children's Literature
- Distinguish the uniqueness of children's experiences highlighted in these works.
- Examine factors of literature such as imagery, theme, motifs, style, tone etc...
- Compare and contrast works of authors
- Know the cultural awareness in children's literature.

- Enhance the understanding the psychology of children

### **SOFT SKILLS THROUGH LITERATURE**

#### **OBJECTIVES:**

- To enhance the life skills of the learners
- To make the learners aware of workplace and career skills
- To focus on positive behavior and management techniques

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realise the following outcomes:**

- Develop employment Skills and enhance communication skills
- Create awareness on career enhancement and develop creative skills
- Understand the skills through the literary text
- Develop effective presentation and analytical skills
- Strengthen the potentiality to emerge as a team leader
- Improve logical and critical thinking

## **SEMESTER-II**

### **MODERN LITERATURE – III (1798-1832)**

#### **OBJECTIVES:**

- To familiarize learners with the characteristics of Romantic poetry.
- To acquaint learners with the unique qualities of the essays of romantic period.
- To make learners aware of the characteristics of novels during romantic period.

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Develop knowledge of principal works of Modern Literature from 1798 to 1832.
- Create an awareness of the characteristics of Romantic poetry.
- Acquire knowledge of the political, social and intellectual background of the age through the works of various writers of the Romantic period.
- Understand and deploy a range of terms and concepts pertaining to literature.
- Establish the link between man and nature through romantic poetry

Gain an ability to view texts in terms of development, values and socio-cultural context.

### **MODERN LITERATURE – IV (1832-1945)**

#### **OBJECTIVES:**

- To enable learners to understand the spirit of Victorian England and its influence on poetry
- To help learners appreciate the revolution brought about through Aesthetic

Movement and anti-Victorian Movement in poetry, drama and novel during the Age of Hardy

- To expose learners to various aspects of the works of 20<sup>th</sup> century writers

#### **COURSE OUTCOMES:**

**After the completion of the course the students will be able to realise the following outcomes:**

- Appreciate the issues such as capitalism, race , the evolution of democracy that shaped the 19<sup>th</sup> century England
- Acquire in-depth knowledge of the religious, socio-intellectual and cultural thoughts of the period
- Analyse and examine the representation of the characteristics of the era in the literature
- Analyse the thematic concerns such as male female gender roles, history and politics, class and industrialization, religion and sexuality.
- Examine the aesthetic and political shifts from the earlier periods  
Analyse and appreciate Prose, Poetry and Drama in terms of changing socio-cultural contexts.

### **SHAKESPEARE**

#### **OBJECTIVES:**

- To expose learners to the development of linguistic, social, psychological and existential skills through a few representative plays of Shakespeare.
- To familiarize learners with the characterization, dramatic and poetic techniques of Shakespeare.
- To enable learners to understand Shakespeare's influence and contribution in English literature.

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Understand the socio-political influences of Britain during the Shakespearean age.
- Appreciate the characterization, dramatic and poetic techniques of Shakespeare.
- Examine Shakespeare's choice of subject matter and his use of the form of tragic-comedy.
- Discuss the characteristic features of Shakespearean stage and Shakespeare's skill in affecting catharsis through his tragedies.
- Analyze the technique of disguise in Shakespeare's plays, the reason behind it and discuss the significance of women characters in his plays.



- Demonstrate the portrayal of history in the historical plays of Shakespeare.

## **GREEN LITERATURE**

### **COURSE OBJECTIVES :**

- To initiate the students into the nature and ecology aspects of literature and the critical practice of reading literature on that basis.
- To introduce students to the latest schools of criticism thereby providing them with a new approach to be used practically in research work.
- Adapt an ecocentric way of life by understanding the intrinsic value of all beings in the world around us.

### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realise the following outcomes:**

- Describe the role of nature in the works of art
- Comment on the modernized theories of green literature
- Describe the various streams of ecocriticism
- Explain the merits and demerits of modernisation
- Distinguish the concept of tiNai poems
- Note the role of literature in protecting the nature.

## **RESEARCH METHODOLOGY**

### **OBJECTIVES:**

- To expose learners to philosophy of research
- To enable learners to use different research sources and document them
- To make learners know the format of research and mechanics of writing

### **COURSE OUTCOME:**

**After completion of the course the students will be able to realise the following outcomes:**

- Define research
- Differentiate the types of research
- Describe the use of library in academic research
- Comment on the different types of note making
- Explain the methods of outlining
- Elucidate the mechanics of thesis writing

**COURSE OUTCOME:**

**After completion of the course the students will be able to realise the following outcomes:**

- Define research
- Differentiate the types of research
- Describe the use of library in academic research
- Comment on the different types of note making
- Explain the methods of outlining
- Elucidate the mechanics of thesis writing

**ENGLISH FOR EFFECTIVE COMMUNICATION – I**

**OBJECTIVES:**

- To expose learners to various styles of LSRW and other way to equip them
- To provide learners to know the basic grammar in English
- To help learners improve their four language skills

**COURSE OUTCOMES:**

**After the completion of the course the students will be able to realise the following outcomes:**

- Acquire the four language skills
- Integrate the language skills and use them effectively in day-to-day communication
- Apply effectively the nuances of speaking skills in dialogues, discussions and public speeches
- Understand the reading and comprehensive skills and analyze the comprehension passages
- Incorporate the writing skills in drafting letters and creating their own resume
- Enhance the communication skills to improve the career prospects

**SEMESTER-III**

**INDIAN ENGLISH LITERATURE**

**OBJECTIVES:**

- To make the learners aware of Indian sensibility in the representative works
- To motivate the students to appreciate and enjoy the rich cultural background and grandeur of Indian literature
- To stimulate the learners to understand the tendency of Indian ideology in the works of Indian authors

**COURSE OUTCOMES:**

**After the completion of the course the students will be able to realise the following outcomes:**

- Discuss the different phases evolution of Indian writing in English
- Explain the Indianness as reflected in the texts.
- Depict the various customs and traditions through which the writers portray the Indian life
- Bring out the autobiographical elements of Indian Writers in English
- Comment on the pluralistic aspects of Indian culture and identity
- Introduce the themes, genres and recent trends of Indian writing in English

### **AMERICAN LITERATURE**

#### **OBJECTIVES:**

- To introduce the students to the different genres of American literature
- To make the students understand the culture and the society of America as reflected in the literary texts
- To acquaint the learners with the various styles and thoughts expressed by the writers

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realize the following outcomes:**

- Acquire adequate knowledge of various American authors and their works
- Gather a comprehensive idea of the evolution of different genres in American Literature
- Acquire literary sensibility to appreciate the innovative narratological techniques employed by American writers
- Point out the religious and cultural temperament of the period and familiarize the various literary movements that flourished in America
- Interpret the different genres and the contribution of the writers prescribed for study
- Explore the uniqueness of American Literature at an advanced level

### **LITERARY CRITICISM**

#### **OBJECTIVES:**

- To acquaint the students with the different schools and principles of criticism and to help them appreciate and evaluate literary texts.
- To enable the students to relate literature to life in the socio-political and historical contexts
- To train the students to apply the theories for evaluating the texts

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realise the following outcomes:**

- Identify different schools and principles of literary criticism
- Acquire the knowledge about the different methods of literary criticism

- Distinguish between the various approaches to literary texts
- Relate literature to life and analyze the texts in the light of socio-political and historical backgrounds
- Obtain a literary acumen to face challenging competitive examinations like NET/SET etc., with confidence
- Learn the nuances of the 20<sup>th</sup> Century literary criticism

### **WORLD CLASSICS IN TRANSLATION**

#### **OBJECTIVES:**

- To introduce the students with Classical literature from all over the world
- To make the students understand the various themes and techniques used by the writers from different countries
- To motivate the students to appreciate the translated version of the classical literature

#### **COURSE OUTCOMES:**

**After completion of the course the students will be able to realise the following outcomes:**

- Identify and discuss seminal classics across the globe.
- Assess the translation process involved in the classical texts
- Appreciate characterization and themes of the literary works
- Distinguish various literary techniques employed by the classical writers
- Understand literary traditions around the world
- Appreciate the richness of culture and tradition as presented in the world literature

### **SCIENCE FICTION**

#### **OBJECTIVES:**

- To help the students promote scientific temperament through science fiction
- To relate the science fiction to the day-to-day experiences of the learners
- To explore the scientific terms used by authors in their writings

#### **COURSE OUTCOMES:**

**After the completion of the course the students will be able to realize the following outcomes:**

- Identify and discuss the use of scientific terms in literature
- Evaluate the texts based on the science background
- Comprehend the characterization of the science fiction
- Distinguish various literary techniques used in them
- Understand how the scientific ideologies conversed in the fiction
- Promote the value of Science fiction

## **SEMESTER-IV POST COLONIAL LITERATURE**

**Objectives:**

- To create a way for learners to get familiarize with writers of postcolonial literature
- To enable learners to understand the cultures of the people from the Postcolonial countries
- To understand and apply the postcolonial critical theories to various literary texts

**COURSE OUTCOMES:**

**After the completion of the course the students will be able to realise the following outcomes:**

- Appreciate the writers and their contribution to the postcolonial literature
- Identify and understand vital postcolonial authors and texts in their historical and cultural contexts.
- To define and organize central terms and concepts in postcolonial studies.
- To understand the struggle for freedom, transition and comprehending the phase of independence.
- To read, comprehend, and engage with postcolonial literary criticism.
- To think critically about the contexts of exploration and to understand diverse approaches to nationalism, multiculturalism, gender and race in the context of postcolonial societies

**LITERARY THEORY****OBJECTIVES:**

- To introduce learners to literary theory from the beginning of the twentieth century to the present day
- To help learners apply theory in the analysis of literary texts
- To enable learners to understand a wide range of theoretical perspectives to enhance their appreciation of literary texts

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realise the following outcomes:**

- Understand the key concepts in literary theory
- Explain the meaning, significance, and value of specific literary theoretical works.
- Develop own interpretation of literary text using the theoretical background
- Study the various schools of critical theories in 20<sup>th</sup> century.
- Explore possible applications of critical theory to various literary texts.
- Demonstrate in-depth knowledge of foundational critical texts.

**INTRODUCTION TO JOURNALISM AND  
MASS COMMUNICATION****OBJECTIVES:**

- To train the students for a profession in journalism or advertising
- To enable the students familiarize with the emerging trends in the field of Journalism
- To expose learners to the functions of mass media and mass culture and popular culture

**COURSE OUTCOMES:**

**After completion of the course the students will be able to realise the following outcomes:**

- Choose a career in the field of Journalism
- Become a freelance writer
- Report news stories, press releases
- Acquire the knowledge of proofreading
- Write features and articles
- Explore the growth and diversity of mass media

## DEPARTMENT OF SOCIAL WORK

### MSW (MASTER OF SOCIAL WORK) PROGRAMME OBJECTIVES

- To prepare the students of Social Work for Professional Practice, and lifelong professional development through planning and execution of schemes and services, based on the core domain of Social Work.
- To prepare students professionally to address social problems actively, mobilise public opinion against social ills, and challenge social and economic injustices that may exhibit themselves.
- To prepare students to think critically and clearly, act professionally with integrity, and work intteams effectively and humbly.
- To equip students with the latest theories, knowledge, and skills to make them competentprofessionals in their working environment.
- To prepare the students committed to bringing significant contributions to social welfare/socialservice organizations\support social welfare/work institutions at local/state/national levels.

### PROGRAMME OUTCOMES:

- **Values and Ethics:** Students will be able to understand the concept, apply values, ethical principles, and knowledge of human behaviour, and develop critical thinking to inform and communicate professional judgments and the social environment to guide professional practice, professional competence and accountability, and identify as a professional social worker and conduct oneself accordingly
- **Social Work Knowledge:** Students will be able to draw on knowledge related to social conditions and problems, understanding human beings, social policies and programs, social phenomena, research, the social work profession, and various practice theories to facilitate the process of change and to transform that knowledge into action.
- **Social Work Skills:** Students will be able to use theory and research to enhance practice, communication, listening and assessment skills, basic interviewing skills, provide help, direction and guidance, empowerment, negotiation skills, assessment skills, communication skills, advocacy and leadership, problem-solving skills, critical thinking skills, respect for diversity, intervention skills, organizational skills recording and documentation skills,

understanding of human relationships, problem-solving skills in finding solutions for individuals, groups and communities in addition to skills in work with limited resources and tight budgets, and be able to evaluate practice with individuals, families, groups, organisations and communities.

- **Social work practice:** Perform as professional social workers in advanced direct practice with individuals, families, groups, and organisations.
- **Conduct Social work research:** engage in scientific inquiry and evidence-based practice on social issues and problems, identify, formulate, review of research literature, and analyse complex individual, group, organisation and community problems based on research-based knowledge and methods, including design, analysis and interpretation of data, and synthesis of the information to reach substantiated conclusions using social work knowledge, and engage in research-informed practice and practice-informed research
- **Human Rights and Human values:** Enhance an understanding of human rights, human and community well-being, social, economic and environmental justice, and engage in policy practice

#### **PROGRAMME-SPECIFIC OUTCOMES:**

Upon successful completion of the **Master of Social Work Program** the students can:

- Identify oneself as a professional social worker and conduct oneself accordingly by applying social work values and ethical principles to guide professional practice and develop a strong foundation of theoretical knowledge of Social Work and generate purposive and progressive ideas through the application of the knowledge, aptitude, and skills in the field of Social Work.
- Analyse causes and consequences of social problems at the individual, family, community and societal levels, and evolve appropriate intervention strategy/schemes for amicable solving and prevention besides formulating, advocating, and assessing the impact of relevant social policies that advance social well-being.
- Understand human behaviour in the social environment and apply it to guide the processes of assessment, intervention, and evaluation of social dynamics and apply the knowledge gained in the process to understand the individual and social environment and provide counselling to individuals, families, groups, etc.
- Perform successfully in the chosen careers that require Social Work knowledge, aptitude and skills and gain sufficient self-awareness to eliminate the influence of personal biases and values in working with diverse groups and



understand the forms and mechanisms of oppression and discrimination and deal with them appropriately.

- Develop social work skills and use tools of Social Work to solve individual, family, group or community problems and perform tasks in Social Welfare Organisations (Government/Voluntary Agencies, Academic/Research/Clinical/Industrial Concerns, Correctional Institutions, Communities and the like) by adapting various Intervention Techniques like **Supportive Techniques, Reflective Performance and Direct Influence** and use appropriate verbal and written communication in community/ agency setting with clients, staff and community stakeholders.
- Develop skills to float and administer a voluntary service organization and administer social welfare organisations and perform the tasks of Planning, Organizing, Staffing, Directing, Coordinating, Reporting and Budgeting (POSDCORB) with good social, communication, and interpersonal skills
- Engage in research on psycho-social problems/issues affecting individuals, families, groups, organisations, communities, etc., by adopting scientific research methodology and using research evidence to address the issue at hand, conduct social impact assessment surveys and evaluation of projects and prepare, use and maintain of records as positions held and institutions served.

### **BSW COURSE OBJECTIVES & OUTCOMES**

#### **Course Title: FOUNDATION IN SOCIAL WORK (SEMESTER: I)**

##### **Course Objectives:**

- To develop an insight into the historical context of origin and development of social work Profession.
- To impart social and religious ideologies of India for change.
- To create an understanding about the theoretical framework of the subject.
- To infuse a philosophical foundation and value base of social work profession.

##### **Course outcomes:**

- The various aspects of social work such as its historical background and various approaches.

#### **Course Title: SOCIAL STRUCTURE AND SOCIAL PROBLEMS IN INDIA**

##### **Course objectives:**

- To familiarize the students with the concept of poverty and dependency.
- To inform the students about beggary and the role of the government in preventing it.
- To highlight the issue of alcoholism and drug addiction.
- To teach students about the issue of juvenile delinquency.
- To teach the students about the concept of society, community, and social groups.
- To familiarize the students with the concept and functions of culture and related aspects.

- To inform the students about social stratification.
- To teach the students about family and related aspects.
- To highlight the concept of social control and social change.

**Course outcomes:**

This course is to enlighten the students on the structure of Indian society.

**Course Title: VALUE EDUCATION (SEMESTER I)**

**COURSE OBJECTIVES:**

- The purpose of values based education is to make the students work with the right attitude and standards to face the outside world.
- Value education is a purpose of increasing the overall character of a student.
- It also includes character development, personality and spiritual development.

**Course outcomes:** This course is to inform the students about the value based education in the Indian context.

**Course Title: METHODS OF SOCIAL WORK**

**SEMESTER: II**

**Course Objectives:**

- ✚ To introduce the students to Social Case Work and related aspects.
- ✚ To familiarize the students with Social Group Work and related aspects.
- ✚ To teach the students about Community Organization and the role of community organizers.
- ✚ To inform the students about the various settings in which Social Case Work can be practiced.
- ✚ To enlighten the students about the various settings in which Social Group Work can be practiced.

**Course outcomes:**

This course is to inform students about the direct methods of social work.

**Course Title: LIFE SKILLS EDUCATION**

**SEMESTER: II**

**Course objectives:**

- ✚ To teach the students about the meaning of life skills and education.
- ✚ To inform the students about the causes and development of life skills.
- ✚ To familiarize the students with the developmental tasks and aspects of life.
- ✚ To enlighten the students with effective their communication.
- ✚ To teach the students about the inter personal skills.

**Course outcomes:**

This course is to teach students about the various stages of life skills education.

**Course Title: SOCIAL WELFARE ADMINISTRATION**

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**Course objectives:**

- ✚ To introduce the students to the concept of administration and Social Work Administration.
- ✚ To inform the students about the basic administrative processes.
- ✚ To teach the students about Personnel Administration and related concepts.
- ✚ To enlighten the students about Public Relations and related concepts.
- ✚ To teach the students about voluntary organizations and related concepts.

**Course outcomes:**

This course is to introduce to students to social welfare administration and related aspects.

**Course title: Environmental studies**

**Semester: II**

**Course objectives:**

- The aim of EVS is to develop the world population that is aware of and concerned about the environment and its associated problems.
  - It has the knowledge, skills, attitudes, motivations and commitment to work individually and collectively towards solutions of current problems and preventions.

**Course outcomes:**

This course is to introduce the students to know about the environment and related aspects.

**Course Title: Professional English**

**Semester: II**

**Course objectives:**

- To develop the language skills of students by offering adequate practice in professional contexts.
- To enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students.
- To focus on developing students knowledge of domain specific registers and the required language skills.
- To develop strategic competence that will help in efficient communication
- To sharpen students critical thinking skills and make students culturally aware of the target situation.

**Course Outcomes:**

- Recognize their own ability to improve their own competence in using the language
- Use language for speaking with confidence in an intelligible and acceptance manner
- Understand the importance of reading for life
- Read independently unfamiliar texts with comprehension
- Understand the importance of writing in academic life
- 

**CourseTitle : INTRODUCTION TO SOCIAL WORK RESEARCH**

**Course objectives:**

- ✚ To introduce the students to research, social work research, and related aspects.
- ✚ To familiarize the students with the research design, sampling, and related aspects.
- ✚ To teach the students about social survey and case s tudy
- ✚ To inform the students about data collection, processing, presentation, and related aspects.
- ✚ To teach the students about data analysis and report writing.

**Course outcomes:**

This paper is to introduce the students to basic social work research.

**CourseTitle : FIELD WORK PRACTICUM**

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**Course objectives:**

- ✚ To orient the students to different settings of field workpractice.
- ✚ To understand the functioning of voluntary and governmental agency in these settings.
- ✚ To develop skills in observation and reportwring.

**Course outcomes:**

This paper is to guide the students to go in right path such as NGOs, HOSPITALS and INDUSTRIES for their placement.

**Course Title: INTRODUCTION TO HUMAN RESOURCE MANAGEMENT**

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**Course Objectives:**

- ✚ To introduce the students to the concept of human resource management.
- ✚ To teach students some important human resource management.
- ✚ To inform students about employment legislations.
- ✚ To throw light on legislations concerning social security.
- ✚ To enlighten students on wage legislations.

**Course outcomes:**

The goal of this course is to introduce students to labor welfare and labor legislations.

**Course Title: - HUMAN RIGHTS**

**Non Major Elective Course I (for other than Social Work students)**

Semester : III

**Course Objectives:**

- ✚ To make students understand the meaning of human rights and related aspects.
- ✚ To enlighten students on the universal declaration of human rights.
- ✚ To inform students about the Indian constitutional guarantee of human rights.
- ✚ To make students aware about the violation of human rights.
- ✚ To teach students about voluntary organizations working at the international, national, and state level.

**Course outcomes:**

This course will introduce students to the concept of human rights and all other related aspects.

**Course Title: INTRODUCTION TO MEDICAL AND PSYCHIATRIC SOCIAL WORK**

**SemesterNo: IV**

**Course Objectives:**

- ✚ To make students understand the meaning of medical social work
- ✚ To introduce students to the concept of health and hygiene.
- ✚ To make students understand the meaning of community health and related aspects.
- ✚ To enlighten students on psychiatric social work.
- ✚ To inform students and mental health and mental illness.

**Course outcomes:**

This paper is to introduce students to medical and psychiatric social work.

**Course Title: FIELD WORK PRACTICUM**

**Semester : IV**

**Course Objectives:**

- ✚ To make students understand people and learn their culture.
- ✚ To allow the students to explore their talents.

**Course outcomes:**

This paper is to guide the students to go in right path such as NGOs, HOSPITALS and INDUSTRIES for their placement.

**Course Title : FUNDAMENTALS OF STATISTICS**

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**Course objectives:**

- ✚ To introduce the students to statistics and related aspects.
- ✚ To teach the students about the measures of dispersion and related aspects.
- ✚ To enlighten the students on correlation and related aspects.
- ✚ To inform the students about the concept of index numbers and its uses.
- ✚ To make students understand time series and related aspects.

**Course outcomes:**

This paper is to introduce students to the fundamentals of statistics.

**Course Title : CONTEMPORARY SOCIAL ISSUES AND PROBLEMS**  
**Non Major Elective Course II (for other than Social Work students)**  
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r : IV

**Course objectives:**

- ✚ To familiarize students with the concept of poverty and dependency.
- ✚ To inform students about beggary and the role of the government in preventing it.
- ✚ To highlight the issue of alcoholism and drug addiction.
- ✚ To teach students about the issue of juvenile delinquency.

**Course outcomes:**

This course is to inform the students about the social problems in the Indian context.

**Course title: NME II non major elective (MANAGEMENT PRINCIPLES)**

**COURSE OBJECTIVES:**

- To enable students to understand the basic concepts and principles of management.
- To help them to acquire the skills needed to become successful managers.
- To expose learners to various processes of the management system.

**Course outcomes:**

The goal of this course is to introduce students to know about the management concepts and systems.

**COURSE TITLE: SKILL BASED ELECTIVE I (BANKING PRACTICES)**

**SEMESTER: IV**

**COURSE OBJECTIVES:**

- To promote an understanding of the basic concepts in Banking.
- To account learners with the theoretical and legal concepts of banking in India.
- To help them to attain competences required for a career in banking services.

**Course outcomes:**

This paper is to enable students to understand the various aspects of bank and related services.

**Course Title: THEORIES OF SOCIAL WORK****Course Objectives:**

- ✚ To introduce students to theory and its importance in Social Work.
- ✚ To inform students about the role theory and its application in Social Work.
- ✚ To teach students about the Gestalt theory and its impact on Social Work Practice.
- ✚ To enlighten students on the crisis theory and related aspects.
- ✚ To make the students aware about the psycho analytic theory and its implication on Social Work Practice.

**Course outcomes:**

This course is to inform students about the various theories of social work.

**Course Title: YOUTH WELFARE (SEMESTER : V)**

- ✚ To teach students about the concept of youth.
- ✚ To inform students about the needs and problems of youth.
- ✚ To familiarize students with the youth welfare programmes to a difference categories of youth.
- ✚ To enlighten students about youth movements in India.
- ✚ To train the students in youth work.

**✚ Course outcomes:**

This course is to enlighten students about important of youth welfare.

**course Title: FAMILY AND CHILD WELFARE**

SEMESTER:V

**Course objectives:**

- ✚ To familiarize the students with the philosophy of family and child welfare along with the National Child Welfare Policy in India.
- ✚ To inform the students about the problems of children.
- ✚ To enlighten the students on family planning.
- ✚ To teach the students about the various family and child welfare services.
- ✚ To inform the students about the role of voluntary agencies in family and child welfare services.



**Course outcomes:**

This paper is to enable students to understand the various aspects related to family and child welfare.

**Course Title:INTRODUCTION TO COUNSELLING**

**SEMESTER: V**

**Course objectives:**

- ✚ To introduce the students to the concept of counseling
- ✚ To develop a holistic understanding of counseling as a tool for help
- ✚ To acquire knowledge of methods and process and techniques
- ✚ To develop skills of application to real life situations
- ✚ To develop ability to practice counseling in various settings.

**Course outcomes:**

This paper is to enable students to understand the various aspects related to co

**CourseTitle : DISASTER MANAGEMENT**

**Semester :V**

**Course objectives:**

- ✚ To introduce the students to the concept of disasters and related aspects.
- ✚ To teach the students about disaster response and related aspects.
- ✚ To enlighten the students on disasters based on India's experiences.
- ✚ To teach the students about the role of the government and various agencies in disaster management.
- ✚ To enlighten the students on tsunami and related aspects.

**Course outcomes:**

The students to understand the concept of disaster management and related aspects.

**COURSE TITLE: SKILLBASED ELECTIVE –II NGO MANAGEMENT**

**COURSE OBJECTIVES:**

- Acquire basic knowledge about NGOs and their function.
- Develop an understanding of the project planning formulation and implementation.
- Gaining knowledge about fund raising techniques and project proposal writing.

**Course outcomes:**

- This paper is to enable students to understand the various aspects of NGOs

field.

- The Course facilitates the students to enhance their employability skills and enables them to take up challenging job assignments.
- Students to meet various challenges in the field of voluntary organisations

**Course Title: SOFT SKILL DEVELOPMENT**

**SEMESTER: VI**

**COURSE OBJECTIVES:**

- To handle interpersonal relations take appropriate decisions.
- To communicate effectively to have good impression and impact and professional development.

**Course outcomes:**

This paper is to enable the students to understand and inculcate the various aspects of soft skills and its developments.

**Course Title: CORRECTIONAL SOCIAL WORK**

**SEMESTER : VI**

**Course Objectives:**

- ✚ To inform the students about correctional social work and related aspects.
- ✚ To enlighten the students about penology, corrections, and related concepts.
- ✚ To teach the students about social defense in India.
  
- ✚ To enlighten the students on the concept of victim logy and related aspects.
- ✚ To make the students understand various correctional techniques.

**Course outcomes:**

This course is to enlighten students on correctional social work and related aspects.

**Course Title: COMMUNITY DEVELOPMENT**

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**Course objectives:**

- ✚ To introduce the students to the concept of community development and related aspects.
- ✚ To enlighten the students on the role of nucleus groups in rural development.
- ✚ To teach the students about the process of community development and the role of community development workers.
- ✚ To inform the students about rural community development.
- ✚ To teach the students about the urban community development programme.

**Course outcomes:**

This course is to introduce students to the concept of community development and related aspects.

**Course Title : FIELD WORK PRACTICUM**

**Semester VI**

**Course Objectives:**

- ✚ To deepen the students' knowledge of social problems.
- ✚ To sensitize students on current social problems and issues.
- ✚ To develop skills in analysis and interpretation of social problems.

**Course outcomes:**

This field work is enhancing the students' understanding of current social problems through group projects. Each group must have a minimum of three and a maximum of five members. Each group must take up a current social issue/problem in consultation with the field work supervisor.

**Course Title: WELFARE OF PERSONS WITH DISABILITY**

**SEMESTER: VI**

**Course objectives:**

- ✚ To introduce the students to the concept of disability and impairment.
- ✚ To inform the students about the causes of disabilities.
- ✚ To enlighten the students about the Persons with Disability Act
- ✚ To inform the students about the various schemes and provisions being offered to the disabled by the government.
- ✚ To introduce the students to the approaches in rehabilitation.

**Course outcomes:**

This course is to enlighten students on the welfare of persons with disability.

**Course Title: SOCIAL WORK IN INDUSTRY**

**SEMESTER:VI Course Objectives:**

- ✚ To define industrial social work;
- ✚ To trace the historical evolution of social work in Industry in the west as well as in India;
- ✚ To understand social responsibility of Industries;
- ✚ To define the scope of social work practice in industries;
- ✚ To analyze the extent to which social work methods are applicable and suitable to the needs of the industry;
- ✚ To delineate the place of a professional social worker in an industrial setting;
- ✚ To state the problems and future prospects of social work in industry.
- ✚ To familiarize students with concepts and legislations related to labour welfare, industrial relations, and social security in India.

**Course outcomes:**

This paper is to introduce students to social work in industry and the various aspects related to it.

**Course Title: SOCIAL ENTREPRENEURSHIP**

**SEMESTER : VI**

**COURSE OBJECTIVES:**

- To provide knowledge about Social Entrepreneurship..
- To help students to develop a Social entrepreneurial imagination
- To highlight the practice of Social entrepreneurship in India.

**Course Outcomes:**

- Students get acquainted with the knowledge of Social Entrepreneurship.
- Students may know the ways and means of being a social entrepreneur
- The course facilitates the students to enhance their employability skills.
- Students will be able to know the actual examples of existing social entrepreneurship

**Course Title: GENDER STUDIES**

**SEMESTER : VI Course Objectives:**

- To develop ways to address societal and power inequalities to improve women's status.
- To engage in promoting social justice and human rights.
- Cultural perspectives affect one's understanding of women's and gender studies.

**Course outcomes:**

This course is to enlighten students to know about the societal problems which are related to women, and its solutions.

**Course Title: EXTENSION ACTIVITIES SEMESSTER: VI**

**Course Objectives:**

- To provide career orientation and job orientation to the college students.
- To bridge the knowledge gap between the college, university and the community.
- To provide opportunity to the students for the development of marketable work skill.

**Course outcomes:**

This paper is to guide the students to go in right path such as NGOs, HOSPITALS and INDUSTRIES for their placement.

**DEPARTMENT OF TAMIL**  
**B.LIT. - PO, PSO, CO (2022 Onwards)**

PROGRAMME	PROGRAMME SPECIFIC OUTCOME	PROGRAMME OUTCOME
B.Lit. - Tamil (Unaided)	On Successful completion of the programme, the student will be well-versed in the Tamil Grammar and know the whole Literary subjects very well.	Developing professional abilities like good knowledge in Grammar especially Tholkappiyam, analyzing and reviewing the literary theories of ancient Literatures, ensuring the students as high behavioral attitudes.
NAME OF THE COURSE	COURSE OUTCOME	
இக்கால இலக்கியம் - கவிதையும் உரைநடையும் (Modern Literature)	❖ தற்காலத்தில் தமிழ்மொழி, கவிதைகளிலும் உரைநடைகளிலும் வளர்ச்சி பெற்றுள்ள நிலையை மாணவர்கள் அறிதல், அதன்வழி சமூகச் சூழலையும், மக்களின் மனநிலையையும் அறிதல், இவற்றின் மூலம் மாணவர்கள் தனிமனித ஒழுக்கத்தையும் அண்மைக்கால சமூக விழுமியங்களையும் அறிதல்.	
நன்னூல் எழுத்த்திகாரம் (Nannool - Ezhutthathigaram)	❖ தமிழ்மொழியினைப் பயில்வோர் எளிமையாக தமிழ் எழுத்துக்களைக் குறித்த இலக்கண அறிவைப் பெற உதவுதல்.	
தமிழ் வரலாறு (History of Tamil Literature)	❖ தமிழிலக்கியத்தின் மிகநீண்ட பரப்பை அறிதல், தமிழிலக்கியத்தின் பழமையையும் செம்மொழிப் பண்பையும் தொடர்பு அறுபடா நிலையையும் அறிதல், தமிழிலக்கியங்கள் அனைத்தையும் குறித்து ஒட்டுமொத்தமாக அறிதல்.	
புத்தகல்வி (Value Education)	❖ To understand and to reflect the Social, Ethical Values in the attitude and behavior of the students can be good citizens of modern world.	
சிறந்திலக்கியம் (Medieval Literature)	❖ அரசர்களையும் இறைவனையும் குறித்து இலக்கியங்கள் படைக்கப்பட்ட காலச்சூழல் மாற்றத்திற்கான காரணங்கள், சாதாரண மக்களின் வாழ்க்கைமுறை இலக்கியமாக உருமாறுவதற்கான களங்கள் ஆகியவற்றை மாணவர்கள் அறிதல்.	
நூல் சொல்லதிகாரம் (Nnool Sollathigaram)	❖ தமிழ் மாணவர்கள் தமிழ்ச் சொற்களின் உருவாக்கம், சொற்களின் வகை ஆகியவற்றை அறிதலின்வழிச் சொல்லிலக்கண அறிவைப் பெறுதல்.	
பழக வரலாறும் மக்கள் பண்பாடும்	❖ சங்க காலம், சங்கம் மருவிய காலம், பக்தி இலக்கியக் காலம், சேர சோழ பாண்டியர் காலம், நாயக்கர் காலம், மராட்டியர் காலம், ஆங்கிலேயர் காலம் ஆகியவற்றில் தமிழகம் எவ்வாறு விளங்கியது என்பதையும் அவ்வக்கால மக்களின் பண்பாடுகளையும் மாணவர்கள் அறிதல்.	
சூழல் கல்வி (Environmental Studies)	❖ Students can know the Environment and of its physical, biological, social and cultural facts, they can learn about the natural resource management, environment policy and civil ecology, they can able to solve the issues caused by eco system.	
புத்தகல்வி (Religious Literature)	❖ India is a spiritual land especially south India is birth place of so many saints. There are six types of religion and it is compiled as Hinduism. So the students can learn the history of various religions, philosophies of various religion, the method of worships, various types of hymns and social reforms occurred in the medieval period.	
பொருள் & புறப்பொருள் வெண்பாமாலை	❖ எழுத்து, சொல் ஆகியவற்றிற்கு மட்டுமின்றி வாழ்க்கைக்கு உரிய இலக்கணத்தையும் பொருளிலக்கணமாகக் கொண்ட தமிழ்மொழியை மாணவர்கள் அறிதல், குறிப்பாக, அகம் புறம் என்ற இரண்டிற்கும் உரிய இலக்கணத்தை அறிதல்.	
புறவியல்	❖ தமிழகத்தின் பல்வேறு சுற்றுலா மையங்களையும் சுற்றுலாவின் பயன்களையும், சுற்றுலாவினால் ஏற்படக்கூடிய சந்தை, பொருளாதார வளர்ச்சி நிலைகளைத் தமிழ் மாணவர்கள் அறிவதோடு, அரசு சுற்றுலா மையங்களில் உரிய வேலைவாய்ப்பினைப் பெறுதல் குறித்தும் அறிதல்.	

ரித உரிமைகள் nan Rights n-Major Elective 1)	❖ மாணவர்கள் அடிப்படையான மனித உரிமைகளை அறிதல் , தம் உள்ளத்தில் வேறுபாடு காட்டாமல் பழகுதல் , சமூக நலனில் அக்கறை காட்டல் , மனிதநேயப் பண்பை மேலோங்கச் செய்தல் , உலகளாவிய அளவில் மனித உரிமைகள் குறித்த விழிப்புணர்வை ஏற்படுத்துதல் , மனித உரிமை ஆணையங்கள் அமைப்புகளை அறிதல்.
ப்பியம்	❖ தமிழர்களின் மிக நீண்ட கதை சொல்லும் மரபை அறிதல் , காப்பிய இலக்கியத்தின் இலக்கணத்தை அறிதல் , வடமொழி, பிறமொழிக் காப்பியங்களுடன் ஒப்புநோக்கல், காப்பியங்களின்வழி அறக்கருத்துக்களை மாணவர்கள் அறிதல்.
ால்காப்பியம் - எழுத்ததிகாரம் (இளம்பூரணம்)	❖ தமிழ்மொழியின் அடிப்படையான தொன்மையான இலக்கண நூலான தொல்காப்பிய எழுத்ததிகாரத்தைப் பயில்வதால் மாணவர்கள் , தமிழ் எழுத்துக்களின் வகை, வடிவம், பயன்பாடு, ஏறத்தாழ 2 - ஆம் நூற்றாண்டு தொடங்கி பயன்பாட்டில் இருந்த தமிழின்நிலை ஆகியவற்றை உணர்தல்.
ழகக் கோயில்களையும் நிர்வாகமும்	❖ பழந்தமிழர்களின் பல்வேறு வகையான கோயில் மற்றும் கட்டடக் கலைகளையும் சிற்பக் கலைகளையும் அறிவதோடு கோயில் நிர்வாகத்தின், தொல்பொருள் துறை, இந்துசமய அறநிலையத்துறை போன்றவற்றின் செயல்பாடுகளையும் அறிதல் . குறிப்பாக, கோயில்சார் அரசுப்பணிகளில் தமிழ் மாணவர்கள் உரிய வேலைவாய்ப்பினைப் பெறுதல் குறித்தும் அறிதல்.
கால சமூகப் பிரச்சினைகள் - emporary Social Issues and Problems (Non-Major Elective 2)	❖ மாணவர்கள் சமகாலப் பிரச்சினைகளை அறிதல் , வறுமை, பாலியல் குற்றம் , இளையோர் சிக்கல் உட்பட சமூகத்தின் சிக்கல்களுக்குத் தீர்வை அறிதல் மற்றும் நடைமுறைப்படுத்துதல், தாமே பின்பற்றுதல் , சிறந்த நாட்டை உருவாக்கும் சிந்தனையை வளர்த்தல்.
இலக்கியம் நக்குறள் நீங்கலாக)	❖ தமிழர்கள் 'அறம்' என்ற சொல்லிற்கு வழங்கிய வரையறைகள், திருக்குறளைத் தவிர பிற அறநூல்களை அறிதல் , அறக்கருத்துக்களை வாழ்க்கையில் பின்பற்றுதல் , தனிமனித ஒழுக்கத்திற்கு முக்கியத்துவம் அளித்தல்.
பிலக்கியம்	❖ அறிவியல் முறையில் தமிழில் ஏற்பட்ட மொழியியல் மாற்றங்களால் தமிழின் கிளைமொழிகளான திராவிட மொழிகள் மற்றும் வடமொழி இலக்கிய , இலக்கண நிலைகளை அறிவதோடு , உலக நிலைகளில் கிரேக்கம், சீனம், அரேபியம் போன்ற மொழிகளில் இருக்கும் இலக்கிய வகைகளையும் மாணவர்கள் அறிதல்.
ப்பருங்கலக்காரிகை & தண்டியலங்காரம்	❖ மாணவர்கள் மரபுக்கவிதை எழுதுவதற்கான இலக்கணத்தை அறிதல் , மரபுக்கவிதைப் போட்டிகளில் பங்கேற்றல் , மரபுக்கவிதை நூல்களை வாசிக்கும் திறனை வளர்த்துக் கொள்ளுதல் . மேலும், மரபுக்கவிதைகளில் நிறைந்துள்ள இலக்கிய நயங்கள் , குறிப்பாக அணிநலன்களைக் கண்டறிதல் , அவற்றின் இலக்கணங்களைக் கண்டறிதல்.
ால்காப்பியம் - சொல்லதிகாரம்	❖ தமிழ்மொழியில் சொல்லிலக்கணம் , சொற்களின் வகைகள் குறித்த இலக்கணங்களை அறிதல் , பிறமொழி இலக்கணங்களுடன் ஒப்பிடும் ஒப்பீட்டாய்வை வளர்த்தல் , மாணவர்கள் இலக்கணப்புலமை உடையோராகவும் போட்டித் தேர்வுகளுக்குத் தகுதி படைத்தோராகவும் உருவாதல்.
ட்டுப்புற இலக்கியம் Major Based Elective - I	❖ நாட்டுப்புற இலக்கியங்களின் அடிப்படைப் பண்புகளையும் சிறப்புகளையும் தனித்தன்மைகளையும் அறிவதோடு நாட்டுப்புற இலக்கியங்களின்வழி மக்களின் வாழ்வியல், தொன்றுதொட்ட மரபுகள் , சமுதாயப் பதிவுகள் போன்றவற்றை மாணவர்கள் அறிதல்
தர் இலக்கியம் Major Based Elective - I	❖ மனித உடல் , உள்ளம் சார்ந்த அறிவியல் உண்மைகளையும் சித்தர்களால் தமிழ்ச்சிந்தனை மரபில் ஏற்பட்ட மாற்றங்களையும் அறிதல் . மேலும், சித்தர் பாடல்களில் காணப்படும் இலக்கிய உத்திகள் , தத்துவச் சிந்தனைகள் , குறியீடு போன்றவற்றை மாணவர்கள் அறிதல்.
படைப்பிலக்கியம் eative Literature) ill Based Elective - 1)	❖ தமிழ் மாணவர்கள் 2000 ஆண்டு கால தமிழ்மொழி வரலாற்றை அறிவது , தமிழிலக்கியங்களின் சிறப்புகளை உணர்வது மட்டுமின்றி நாவல் , சிறுகதை, கவிதை, துளிப்பா, நாடகம் ஆகியவற்றை படைக்க மாணவர்களைத் தயார்ப்படுத்துதல், மாணவர்தம் படைப்புகளைக் கல்லூரி மலர்களில் இடம்பெறச் செய்தல்.
க இலக்கியம்	❖ தமிழின் செம்மொழித் தகுதிக்குக் காரணமான சங்க இலக்கிய நூல்களையும் சங்கப் பாடல்களின் சிறப்புகள், அகம், புறம், மனித விழுமியங்கள் போன்றவற்றை உணர்தல்.
க்குறள்	❖ உலகப் பொதுமறை என்று போற்றப்படும் திருக்குறளை அடிப்படை நோக்கிலும் , ஆய்வு நோக்கிலும் அணுகுமுறையை மாணவர்களிடம் வளர்த்தல்.
ால்காப்பியம் - பொருளதிகாரம்	❖ தமிழ் மரபில் அகம் , புறம் என்ற பிரிவுகளில் உள்ள இலக்கணங்கள் , தமிழர்தம் அகவாழ்வின் சிறப்புகள் ஆகியவற்றை மாணவர்கள் அறிதல்.
வெட்டியல் or Based Elective - II	❖ உலக நாடுகளில் கடந்தகால நிகழ்வுகளைக் கல்வெட்டுகளில் பொறித்து வைக்கும் பழக்கம் தென்னிந்தியா என்று வழங்கப்பட்ட தமிழ் மண்ணில் தொடக்கக்

	காலத்தில் இருந்ததையும் தமிழ் வட்டெழுத்துக்கள் சிறப்பிடம் பெற்றிருந்ததையும் மாணவர்கள் அறிதல், கல்வெட்டுக்கள் வழியாகப் பழந்தமிழர் அரசியல், வாணிபம், சமூகம், தனிமனித வாழ்வு ஆகியவற்றை அறிதல், மானுடவியல், நாணவியல், சுவடியியல் உட்பட தொல்பொருள் ஆராய்ச்சி குறித்த ஆர்வத்தை மாணவரிடையே ஏற்படுத்துதல்.
கவியல் for Based Elective - II	❖ தமிழ்மொழியின் முத்தமிழ்ச்சிறப்பு, நாடகக்கலையின் தொன்மை, சிலப்பதிகாரம் தொடங்கிய நாடகப் பயணம், தெருக்கூத்து, சபாநாடகங்கள், அரங்க நாடகங்கள் ஆகியவற்றை மாணவர்கள் உணர்தல், அதன்வழியாக அவ்வக் காலக்கட்ட சமூகத்தின் சித்தரிப்பு, மக்களின் வாழ்க்கைமுறை, அரசியல், கலை ஆகியவற்றின் வெளிப்பாடு ஆகியவற்றை மாணவர் அறிந்து கொள்ளல், நாடகக்கலையின் இன்றைய நிலை, வீழ்ச்சிக்கான காரணங்களை அறிதல், மீட்டுருவாக்கம் செய்யத் தூண்டுதல்.
ழியல் ll Based Elective - II)	❖ மொழித்துறையில் வளர்ந்து வருகின்ற இதழியல் கலை குறித்தும் அதன் நுட்பங்கள், இதழியலின் அடிப்படை, செய்தி திரட்டும் முறைகள், பதிப்பிக்கும் முறைகள், செய்திகளை வாசிக்கும் பழக்கம், அவை சார்ந்த பணிவாய்ப்புகள் போன்றவற்றை மாணவர்கள் அறிதல்.
லின சமத்துவம் der Studies	❖ இன்றைய சமூகத்தின் இன்றியமையாத கருத்து மாணவர்களையும் மாணவிகளையும் ஒருவருக்கொருவர் புரிந்துகொள்ளச் செய்தல், ஆண்களைக் குறித்துப் பெண்களிடத்தும் பெண்களைக் குறித்து ஆண்களிடத்தும் நிலவிவரும் பழமையான, பிற்போக்குத்தனமான, மிகக்குறைந்த எண்ணங்களை மாற்றுதல், ஆரோக்கியமான, பழகும் சூழ்நிலையை உருவாக்குதல், அதற்காகப் போட்டிகள், கருத்தரங்குகள் நடத்திப் பாலினசமத்துவத்தை இயல்பாக மாணவர்களிடம் விதைத்தல்.

PROGRAMME	PROGRAMME SPECIFIC OUTCOME	PROGRAMME OUTCOME
M.A. – Tamil (Aided)	தமிழ்மொழி, பண்பாடு, நாகரிகம், மரபுகள், தமிழர் வழக்காறுகள், வரலாறு, இலக்கியம் ஆகியவற்றைப் பாதுகாத்தல், தமிழ்மொழியை ஊடகம்வழி அடுத்த தளத்திற்குக் கொண்டு செல்லல், உலக மொழியாக நிலைபெறச் செய்தல்.	தமிழிலக்கியம் குறித்த ஆழமான, ஒட்டுமொத்த அறிவைப் பெறுவதற்கு இப்பாடத்திட்டம் வழிவகுக்கும். தமிழிலக்கியத்தை நவீனமயமாக்கல், உலகமயமாக்கல், பிறமொழிகளுடன் ஒப்பிடல், கோட்பாடுகளுடன் பொருத்துதல், கல்வெட்டு, சுவடியியல், நாட்டுப்புறவியல், மானுடவியல், தலித்தியம், பெண்ணியம், பாலின சமத்துவம் ஆகிய தனித்தனித் தளங்களில் அணுகி ஆராய்தல், பகுத்தறிவுடன் சிந்தித்து, சமுதாயத்தை இலக்கியம் வழியாக அணுகுதல் ஆகியவற்றிற்கும் இப்படிப்பு மாணவர்களுக்கு வழிகாட்டும் நெறிப்படுத்தும். இதன்வழியாக மாணவர்கள் அரசியல், ஆட்சியியல், சமயம், வரலாறு போன்ற துறைகளில் வல்லமை பெற இயலும்.
NAME OF THE COURSE	COURSE OUTCOME	
இக்கால இலக்கியம் I - கவிதையும் நாடகமும் (Modern Literature)	❖ தமிழிலக்கிய வரலாற்றில் இக்கால இலக்கியங்களின் சிறப்பியல்புகள், மரபுக்கவிதை இலக்கணம், புதுக்கவிதையின் கட்டற்ற தன்மை ஆகியவற்றை அறிந்து கொள்வதன் மூலம் மாணவர்களைப் படைப்பாளர்களாக உருவாக்குதல்.	
இக்கால இலக்கியம் II - உரைநடை, புனைகதை	❖ தமிழிலக்கியத்தின் புதிய வடிவங்களான உரைநடை, புதினம், சிறுகதை ஆகியவற்றைக் குறித்த ஆழமான அறிவை மாணவர்களுக்கு அளித்தல், அதன்வழி தற்கால சமூகச் சிந்தனைப் போக்கை மாணவர்கள் அறியச் செய்தல்.	
சிற்றிலக்கியம்	❖ சிற்றிலக்கியங்களின் விளக்கம், தோற்றச்சூழல், காரணம் - வகைகள் ஆகியவற்றை அறியச் செய்தல், அதன்மூலம் அவ்வக் காலச்சூழலுக்கு ஏற்ப இலக்கியங்கள் தோன்றும் என்பதை உணரச் செய்தல்.	
தொல்காப்பியம் எழுத்ததிகாரம்	❖ தமிழ்மொழியின் அடிப்படையான, தொன்மையான, இலக்கண நூலான தொல்காப்பிய எழுத்ததிகாரத்தைப் பயில்வதால் மாணவர்கள், தமிழ் எழுத்துக்களின் வகை, வடிவம், பயன்பாடு ஆகியவற்றை எளிதில் உணர்தல்.	
கணிணித்தமிழ்	❖ தமிழ்ப்பயிலும் மாணவர்கள் கணிணி பற்றிய வன்பொருள், மென்பொருள் ஆகியவற்றை அறிதல், தமிழ் இணையத்தின் வளர்ச்சி, பயன்பாடு, உலகெங்கிலும் உள்ளோர் இணையம்வழித் தமிழ்	



	கற்றல் ஆகியவற்றை அறிந்து கொள்ளல்.
சமய இலக்கியம்	❖ தென்னிந்தியா ஒரு ஆன்மீக பூமி . இங்கு நிலவிய பண்டைய சமயம் ஆறாகப் பிரிந்த தன்மை , அவ்வச்சமயங்களின் தத்துவத்தை விளக்கும் இலக்கியங்கள் , அவற்றின் சிறப்புகள் ஆகியவற்றை மாணவர்கள் அறிவதன் வாயிலாக இந்தியச் சமயங்களின் பெருமைகளை உணர்ந்துகொள்ளுதல் , சமய நல்லிணக்கத்தை உருவாக்குதல்.
காப்பிய இலக்கியம்	❖ தமிழர்களின் மிக நீண்ட கதைசொல்லும் மரபை அறிதல் , காப்பியங்களின் இலக்கணத்தை அறிதல் , வடமொழி மற்றும் பிறமொழி காப்பியங்களுடன் தமிழ்க்காப்பியங்களை ஒப்புநோக்கல் , அறக்கருத்துக்களை அறிதல்.
அற இலக்கியம்	❖ உலகமொழி மற்றும் இலக்கிய வரலாற்றில் தமிழில் மட்டும் அறஇலக்கியம் என்ற தனித்த இலக்கியக் காலம் நிலவி வந்தது . அவ்வறஇலக்கியங்களின் தனித்துவம் , சிறப்பியல்பு, உலகப்பொதுமை ஆகியவற்றை அறிந்து மாணவர்களை ஒழுக்கமுடையோராக நல்வழிப்படுத்துதல்.
தொல்காப்பியம் - சொல்லதிகாரம்	❖ தமிழ்மொழியில் உள்ள சொல்லிலக்கணம் , சொற்களின் வகை , பயன்பாடு ஆகியவற்றை அறிதல் , மாணவர்கள் இலக்கணப்புலமை உடையோராகவும் போட்டித்தேர்வுக்குத் தகுதி படைத்தோராகவும் உருவாதல்.
ஒப்பிலக்கியம்	❖ மாணவர்கள் தமிழில் மட்டுமல்லாது பிற திராவிடமொழிகளிலும் இந்திய மற்றும் உலகமொழிகளிலும் மேம்போக்கான அறிவைப் பெறுதல் , இலக்கியம் வழியாக ஒருமைப்பாட்டையும் உலகளாவிய சகோதரத்தையும் உருவாக்குதல்.
சங்க இலக்கியம் (எட்டுத்தொகை)	❖ பண்டைய இலக்கியத்தின் சிறப்புக்களை மாணவர்கள் அறிந்து கொள்ளச் செய்தல் . குறிப்பாக, எட்டுத்தொகை நூல்களில் மாணவர்கள் புலமை பெறல்.
சங்க இலக்கியம் (பத்துப்பாட்டு)	❖ எட்டுத்தொகை நூல்களிலிருந்து பத்துப்பாட்டு நூல்கள் வேறுபடும் விதம் , சங்க இலக்கியங்கள் காலத்தை வென்றிற்கும் இயல்பு ஆகியவற்றை மாணவர்கள் உணர்ந்து கொள்ளுதல்.
ஒப்பீட்டு நோக்கில் உலகச் செம்மொழிகள்	❖ செம்மொழிப் பண்புகள் , உலகச் செம்மொழிகளின் இயல்பை அறிதல் , உலக இலக்கியங்களுக்கிடையில் பொதுமைப்பண்பை உணர்தல் , அதன்மூலம் ஒப்பீட்டுப்பண்பையும் ஒருமைப்பாட்டையும் உணர்ச்செய்தல்.
தொல்காப்பியம் - பொருளதிகாரம் (முன்னென்று இயல்கள்)	❖ தமிழர்களின் அகவாழ்க்கையின் இயல்பையும் மரபுகளையும் மாணவர்கள் ஆழமாகக் கற்றுணர்ந்து தெளிவடைய உதவுதல்.
நாட்டுப்புறவியல்	❖ ஒரு இனக்குழு மக்களின் மரபு சார்ந்த நம்பிக்கைகள் , சடங்குகள், புனிதம் ஆகியவற்றைக் குறித்து மாணவர்கள் அறிந்து கொள்ள உதவுதல்.
இலக்கியக் கொள்கைகளும் திறனாய்வும்	❖ இலக்கியத்தை அறிந்துகொள்வது மட்டுமின்றி இலக்கியம் சார்ந்த கொள்கைகளையும் அறிதல் , இலக்கியத்தின் சிறப்புக்களை அறிதல் , திறனாய்வு செய்தல் ஆகிய நோக்கங்களில் மாணவர்கள் உருவாதல்
தொல்காப்பியம் - பொருளதிகாரம் (பின்னான்குஇயல்கள்)	❖ தமிழ்மொழி எழுத்து , சொல், பொருள் என மூன்றாகப் பிரிந்த இலக்கண முறை , காலத்திற்கேற்ப மொழி நெகிழ்ந்து தந்த நிலை ஆகியவற்றை உணர்தல்.
சைவமும் தமிழும்	❖ உலகச் சமயங்களுள் ஆதியாக விளங்கும் சைவம் குறித்தும் அதன் தத்துவம் , நூல், சாத்திரம், வழிபடு முறை, நம்பிக்கைகள், திருத்தலங்கள், பதிகங்கள் குறித்து மாணவர்கள் உணர்தல் , பக்தி இலக்கியங்களில் ஊடாடி நிற்கும் சமூகச் சிந்தனைகளைக் கண்டறிதல் , இன்று உலகெங்கும் பரவி நிற்கும் சைவத்தின் வளர்ச்சியை அறிதல், சைவ சமயத்தார்கள் தமிழ் வளர்ச்சிக்கு ஆற்றிய பணிகளை அறிதல்.
மொழிபெயர்ப்பியல்	❖ மொழிபெயர்ப்பின் தேவை , மொழிபெயர்ப்பாளர் தகுதி , கோட்பாடுகள் ஆகியவற்றை அறிதல் , மொழிபெயர்ப்பாளர் மிகக் கவனமாகக் கையாள வேண்டிய கருத்துக்கள் , சிக்கல்களை உணர்தல் . இலக்கிய மொழிபெயர்ப்பில் உள்ள வேறுபாடுகளை அறிவுறுத்தல் , மொழிபெயர்ப்பிற்கு உரிய செய்முறைப் பயிற்சியளித்தல் , எல்லா மொழிகளையும் குறித்த நன்மதிப்பை மாணவரிடையே ஏற்படுத்துதல்.
Project Work	❖ ஆராய்ச்சிக் குறித்தத் தொடக்கநிலை அறிவை மாணவர்கள் பெறுதல் , ஆய்வுக்கட்டுரை எழுதும் பயிற்சி பெறல் , நூல்களைப் பயிலுதல் , குறிப்பெடுத்தல், சான்றெண் இடல், பின்னிணைப்புகள் குறித்துத் தெளிவடைதல்.

## DEPARTMENT OF COMMERCE (COMPUTER APPLICATIONS)

S. No	COURSE	COURSE OBJECTIVES	COURSE OUTCOMES
1	PRINCIPLES OF ACCOUNTANCY	To enable the students to understand the basic principles and concepts of Accountancy.	Accounts of the Agency Business and temporary partnership.
2	MARKETING	To understand the pricing methods and services rendered by the middlemen	Familiar with the basic concepts and functions of marketing
3	PC PACKAGE	To know basics of computer, Creating and Editing Word Documents and other applications in word document	Creating work sheet and Charts, formula applications, and PPT.
4	MANAGEMENT CONCEPTS	To facilitate students, understanding of their own managerial skills for decision making.	To examine and practice the suitable leadership pattern in organization.
5	BUSINESS TOOLS FOR DECISION MAKING	To impart introduction to statistics, and Measure of central tendency	Basics in statistics, Classification, Tabulation and Measure of central tendency
6	PC PACKAGE (Practical)	To create and Edit Word Documents and other applications in word document.	Creating and Editing Word Documents and Saving, opening, closing and protecting documents; and Mail Merge
7	FINANCIAL ACCOUNTING	To help students gain knowledge about branch accounts and departmental accounts.	Become knowledgeable on self balancing and sectional balancing ledgers and royalty account.
8	INTERNET AND WEB APPLICATIONS	To acquire knowledge on Internet Service Provider, Internet Explorer, and Several Web pages	Applications of Internet, internet protocols, E-mail and voice mail
9	BUSINESS LAW	To gain knowledge about the Law of sale of Goods Act	Knowledge about the basics law pertaining to Negotiable Instruments, cyber-crime and the law relating to Information Technology
10	COST ACCOUNTING	To enable the students to know the importance of costing and to understand the basic concepts	Learner understood of Process costing is applicable and to ascertain cost at each stage of process; valuation of abnormal gain & abnormal loss
11	INTERNET AND WEB APPLICATIONS (Practical)	To visit web page of business places, Railway and Airline reservation, and online chatting	Working on web page of business places, Railway and Airline reservation, and online chatting
12	BANKING THEORY LAW AND PRACTICE	To make the students understand the various types of accounts and savings schemes	Analyse information about the rights, responsibilities and duties of paying and collecting banker
13	CORPORATE ACCOUNTING	To make learner to understand format of company final accounts and various schedules of company final accounts.	.To understand sources of financial activities towards company
14	INTRODUCTION TO ORACLE AND SQL	To understand Keys, SQL and Commands	Basics of Oracle, SQL queries, Retrieving, Restricting and Sorting data.
15	VISUAL PROGRAMMING	To understand Standard Controls, Frame Control and Image Control	Visual Basic and its workings and Variables and Select statements
16	MANAGEMENT ACCOUNTING	To understand budget and budgetary control in Business organization	The understand Basic knowledge on Management Accounting.

17	AUDITING	To assess the valuation and verification of assets and liabilities	Student will understand the concept of auditing
18	INFORMATION TECHNOLOGY CONCEPTS	To introduce Evolution, Classification and Applications of Computers	Have knowledge on Software, Programming Language, Word Processing and Spread Sheets Presentation
19	FINANCIAL SERVICES	To enable the students to know the meaning and types of financial services.	The meaning and types of financial services.
20	INCOME TAX LAW AND PRACTICE	To know about new taxes, exemptions and deductions related to incomes.	Get the latest information about deductions for house property
21	SQL APPLICATIONS USING ORACLE (Practical)	To calculate income tax and make use of bank application	Creation, alteration and dropping table,
22	ENTREPRENEURS HIP DEVELOPMENT	To know the role of small scale industries to obtain the next level of business,	To emancipate the society to be mingled with
23	COMPUTERISED ACCOUNTING (Theory-)	To learn about Accounting packages, creation accounts and inventory, entering, deleting and editing vouchers.	Preparation of Reports like, petty cash book, trial balance, profit and loss account, and balance sheet
24	BASICS OF GOODS AND SERVICE TAX	To Study the Registration and Computation of GST.	The students will equip themselves to become tax practitioners.

### Course Outcomes – M.Com(CA)

S. No	COURSE	COURSE OBJECTIVES	COURSE OUTCOMES
1	MANAGERIAL ECONOMICS	To make the Students to realize the usefulness of economic tools, principles & laws in making business decisions	Understand the methods of Managerial Economics & Theory of the firm.
2	PROGRAMMING LANGUAGES USING C AND C++	To study Structures, Unions, Strings, Pointers and files	Business applications of C++
3	E-COMMERCE	To learn Architectural Framework for E. Commerce and Electronic Payment Systems	Frame work for E. Commerce and Electronic Payment Systems
4	INVESTMENT MANAGEMENT	Understand the techniques involved in deciding upon purchase or sale of securities	Understanding the chronological environment of Investment Management thoughts.
5	FINANCIAL SERVICES	To enable the students understand the financial markets in India and to provide the knowledge of financial services.	Students would be able to understand the concept of merchant banking and its significances.
6	INSURANCE MANAGEMENT	To know the concept and techniques of identifying, measuring and managing insurance policies.	Understand the concepts and significance of insurance, principles and kinds of insurance, impact of LPG on insurance industry in India and IRDA regulations for insurance business.
7	DIGITAL PAYMENT SYSTEM	To make the student understand the digital payment system.	Take security and privacy precautions while conducting transactions through digital payment system.
8	RESEARCH METHODOLOGY	To identify problem and formulation of hypothesis	Up skilling Data construction, collecting techniques and testing their validity and reliability.
9	QUANTITATIVE	To acquaint the students with the	To make the students evaluate different

	TEHCNIQUE OF BUSINESS DECISION	Statistical tools and techniques for managerial decisions.	quantitative techniques.
10	INCOME TAX LAW AND PRACTICE	To make students know the latest Income Tax Law and Practices and to enable them to file Income tax return	Providing avenues for employment opportunities in tax filing
11	DATA COMMUNICATION CONCEPTS	To know Data Link Layer, Data link Control, Wireless Networks	Data Link Layer, Data link Control, Wireless Networks
12	JAVA PROGRAMMING AND ITS BUSINESS APPLICATIONS	To make understand the Fundamentals of object oriented programming	Fundamentals of object oriented programming, Classes, Objects and Methods in Java
13	ORGANISATIONAL BEHAVIOUR	To learn the basic concepts of Organizational Behaviour and its applications in contemporary organizations.	To understand the conceptual framework of the discipline of OB and its practical applications in the organizational setup.
14	ADVANCED CORPORATE ACCOUNTING	To enable the students to have a comprehensive practice in the preparation of corporate accounts	The students will be to elaborate the various principles, provisions that govern the banking and insurance companies and how the Human resources are maintained in an organization in order to achieve cost effective organizational objectives
15	DATA BASE SYSTEM CONCEPTS	To gain knowledge of RDBMS, Data Modeling and Normalisation.	Oracle, Table creation & modification; and Data Management and retrieval

## **B.Sc MICROBIOLOGY**

### **2.6 STUDENT PERFORMANCE AND LEARNING OUTCOMES**

#### **PROGRAMME OUTCOMES**

- Graduates would acquire both theoretical and practical knowledge of fundamental concepts in Microbiology.
- Graduates would knowledgeably be competent with characteristics, skills and cognizance established.
- A microbiologist could enter into higher studies for their passion of futuristic drive or could prefer academia for manifesting instructional capability.
- After graduation, the graduates can join public health sectors not only for career advancement but, for the betterment/welfare of the human society as well.
- Understand and appreciate the importance of microbes in different arena of novelty for day-to-day applications.

#### **PROGRAMME SPECIFIC OUTCOMES**

- Understanding of the fundamentals of Microbiology as applicable to wide ranging frameworks.
- Graduates would have appropriate aids of Microbiology and can perform their duties as a subject authority.
- The interdisciplinary subjects of Microbiology graduates would attribute them with skills of other arena and would assist in solving broader problems.
- Knowledge of the Microbiology curriculum and other allied subjects together would certainly guarantee promising career opportunities in academic, research and industrial sectors.
- The knowledge of microbes, understanding of microbial nature and benefits of their byproducts' for human society would ensure lifelong merit.

## **BASICS OF MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Understand the historical Developments in Microbiology.
- Understand the usage of microscopes to know the size and shape of microorganisms.
- Understand eubacteria, archaebacteria and actinomycetes.
- Understand systemic classification of microorganisms.

Understand the concept of microbial growth, culture media and the process of controlling microbial growth

## **BASICS OF MICROBIOLOGY (Practical)**

### **COURSE OUTCOMES:**

- Understand basics of laboratory rules and minimum requirements of a laboratory – equipments / instruments and their operations.
- Understand media preparation methods.
- Understand pure culture methods to isolate and enumerate microbes.
- Understand various staining techniques.
- Understand morphological features of micro-organisms.

## **FUNDAMENTALS OF BIOLOGICAL SCIENCES**

### **COURSE OUTCOMES:**

- Gain knowledge about plants and animals on a par with their higher education.
- Understand the biological concepts of plant and animal evolution and their establishments.
- Imbibe the biological sciences' importance to human society.
- Enhance their knowledge of existing biological diversity and of a safe earth.
- Know the current research topics that could stimulate them towards higher studies.

## **FUNDAMENTALS OF BIOLOGICAL SCIENCES & GENERAL BIOCHEMISTRY**

### **COURSE OUTCOMES:**

- Acquire a knowledge on specimen preparation from plant samples
- Practice handling of microscopes.
- Get a clear practical knowledge on various staining techniques.
- Study the isolation methods of both aerobic and anaerobic bacteria.
- Know the compounds' extraction and purification methods from plant sources for value added products.
- Understand important laboratory safety and precautionary measures.
- Know the principles and calibration of basic analytical instruments.
- Learn the molecules' separation techniques
- Derive the pigmentation profiles of microbes/ plants
- Comprehend the biological materials and their polysaccharide level.

## **MICROBIAL PHYSIOLOGY**

### **COURSE OUTCOMES:**

- Understand the nature of nutrients required by microbes.
- Learn the macro molecules' classification based on their nutritional needs.
- Grasp various factors which effect & affect microbial growth as well as the functions of enzymes.
- Comprehend how energy is synthesized from carbohydrates, proteins and fatty acids
- Understand the synthesis of macro molecules through metabolism.

## **MICROBIAL PHYSIOLOGY (Practical)**

### **COURSE OUTCOMES:**

- Test & determine sugar fermenting/ utilizing abilities of different bacterial species.
- Understand the principles behind important biochemical tests done to identify bacterial species.
- Determine growth stages of a test bacterial species.
- Evaluate the impact of various external components on the microbial growth.

growth.

- Grow anaerobic bacteria in a conventional microbiology laboratory.

## **GENERAL BIOCHEMISTRY**

### **COURSE OUTCOMES:**

- Assimilate the basic knowledge of cell structural compositions.
- Understand the biological & chemical nature and functions of cells.
- Describe the basics of bio-molecules synthesizing mechanisms and their regulations.
- Explain about biological energy sources and transferring molecules.
- Understand the molecules associated with metabolic functional systems.

## **INTRODUCTORY VIROLOGY**

### **Course Outcomes**

- Able to describe the classification of viruses
- Able to explain virus structure, process of virus attachment and entry, virus assembly and release.
- Able to state the steps of viral replication .
- Able to understand the methods of preparing virus vaccines and anti-viral drugs.
- Able to illustrate animal, plant and bacterial viruses.

## **INTRODUCTORY VIROLOGY (Practical)**

### **COURSE OUTCOMES:**

- Isolate and characterize bacteriophage from natural sources.
- Gain knowledge in preparing bacteriophage stock - Lambda & T4.
- Understand the T4 Phage Titration and plant virus transmission methods.
- Explain animal virus propagation - egg inoculation and cell culture methods.
- Describe viral diagnostic methods in animals and plants.



## **BIOSTATISTICS**

### **COURSE OUTCOMES:**

- Create graphs using scientific data and to communicate important information about data, and interpret these in the form of graphs.
- Familiarize with widely used statistical databases.
- Know basic concepts of probability and statistics.
- Know the application and limitations of different statistical methods.
- Get conceptual understanding of modern statistical tools and software's available.

## **BIOSTATISTICS & BIOINFORMATICS AND COMPUTATIONAL BIOLOGY (Practical)**

### **COURSE OUTCOMES:**

- Analyse statistical data using MS-Excel.
- Organize, manage and present data.
- Present statistical data graphically using frequency distributions and cumulative frequency distributions.
- Evaluate statistical data using measures of central tendency, dispersion and location.
- Acquire knowledge of statistics and its scope and importance.
- Get introduced to the basic concepts of Bioinformatics and its significance in biological data analysis.
- Gain knowledge about various biological databases that provide information about nucleic acids and protein.
- Secure knowledge on primary and secondary structures of proteins.
- Be knowledgeable on the tertiary and quaternary structures of proteins.
- Be trained on the basics of sequence alignment.

## **CLINICAL BACTERIOLOGY**

### **COURSE OUTCOMES:**

- Understand the fundamental bases of classification of pathogenic microorganisms.

- Gather information about the nature of bacterial pathogens. Understand the phenomena of pathogenesis of bacterial diseases.

## **IMMUNOLOGY**

### **COURSE OUTCOMES:**

- Understand the fundamental bases of immune system and immune response
- Gather information about the structure and organization of various components of the immune system
- Assimilate the operation and the mechanisms which underlie the immuneresponse.
- Apply the knowledge gained to understand the phenomena like host defense and hypersensitivity (allergy).
- Comprehend the organ transplantation and certain immunological diseases.

## **IMMUNOLOGY (Practical)**

### **Course Outcomes:**

- Understand blood collection, serum & plasma separation methods.
- Perform blood grouping technique and other immunological tests
- Obtain hands- on training on immune-electrophoresis technique
- Understand cells and organs of immune system.
- Perform complete blood count.

## **BIOINFORMATICS AND COMPUTATIONAL BIOLOGY**

### **COURSE OUTCOMES:**

- In understanding the biological challenges and the computational solutions.
- Of computer basics and usage of biological software.
- To analyse the biological data using computer.
- Required for sequence submission and retrieval.

- Of protein sequencing, nucleic acid sequencing techniques and their analysis.

## **ANTIMICROBIAL AGENTS**

### **COURSE OUTCOMES**

- Explain the mechanism of antimicrobial agent.
- Understand the production of antimicrobial drug from various sources.
- Investigate interesting biological problems.
- Have an insight of current topics in microbial genetics and related fields.
- Relate pharmaceutical microbiology to biotechnology.

## **MEDICAL MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Understand of normal flora and host parasite interaction.
- Describe the characteristics of disease-causing bacteria and viruses
- Assess fungal infections in human beings.
- Understand the problems of parasitic diseases.
- Know the diagnostic features of infectious diseases.

## **ENVIRONMENT AND AGRICULTURAL MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Know the significance of the microbes in atmosphere and water.
- Get in-depth information about the harmful effects and beneficial role of microbes in each sector.
- Acquire deeper knowledge on water and waste water treatment to tackle the current environmental problems.
- Elicit meticulous thoughts on the task of microbes in waste water treatment and solid waste management.
- Understand methods to exploiting natural wastes by producing bioorganic fertilizers.

## **MOLECULAR BIOLOGY AND MICROBIAL GENETICS**

### **COURSE OUTCOMES;**

- Processes behind mutations and other genetic changes
- The genetic regulatory mechanisms at different levels
- The common methods in microbial genetics
- About DNA replication and repairing mechanisms
- About microbial genetics to biotechnology

## **MEDICAL MICROBIOLOGY, ENVIRONMENT AND AGRICULTURAL MICROBIOLOG AND MOLECULARBIOLOGY & MICROBIAL GENETICS (Practical)**

### **COURSE OUTCOMES:**

- Practice handling the clinical samples
- Get a clear practical knowledge on molecular techniques.
- Understand the transformation mechanisms.
- Learn the quantification of macromolecules in industrial point of view.
- Know the applications of various instruments to analyses the quality of macromolecules in a solution.
- Know about the techniques to isolate and assess the harmful microorganisms in environmental samples.
- Provide meticulous ideas for the enumeration of air and water borne microorganisms.
- Get an idea to isolate and characterize the microbes in extreme environmental conditions.
- Gain several practical knowledge & opportunities.
- Understand the common plant diseases and their symptoms.
- Learn all the identification methods of bacterial pathogens.
- Learn the diagnostic techniques of fungal and parasitic diseases.
- Become familiar with all microscopic methods of microbial identification.
- Understand all methods of cultivation and familiarize with all biochemical tests.
- Understand the principles of antibiotic sensitivity assay.

## **DIAGNOSTIC MICROBIOLOGY**

### **Course Outcomes**

- Collect, transport, store and microbiologically process a variety of routine human clinical specimens.
- Prepare and investigate blood smears as well as to interpret various common blood clinical parameters.
- Investigate urine, stool & sputum specimens as well as to interpret various common urine clinical parameters.
- Realize the need of molecular methods and their importance in disease diagnosis.
- Understand the health care sectors and laboratories' role in microbial disease diagnostic procedure.

## **PHARMACEUTICAL MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Know how to evaluate a new drug for its property in the laboratory
- Carry out standard sterility testing procedures of pharmaceutical products.
- Control quality of pharmaceutical products representing various categories.
- Understand the contaminants & spoilage of pharmaceutical products.
- Recognize the importance of good manufacturing and laboratory practices as well as the role of animal cell culture in pharmacy industries.

## **MUSHROOM TECHNOLOGY**

### **COURSE OUTCOMES:**

- Draw out the importance of mushrooms and their applications in health and nutraceuticals.
- Work out the production process for optimum mushroom yield.
- Explain their beneficial and erratic role during human consumption.
- List out the substrates employed in mushroom cultivation and sketch out the methods for improvement.
- Gain well-rounded knowledge and get fully prepared for employment, marketing and entrepreneur activities related to mushroom industries.

## **FOOD MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Comprehend the functions of Microorganisms in food.
- Acquire knowledge about the fermented food products.
- Build awareness about microbial spoilage of food.
- Gain acquaintance with food borne diseases and their significance.
- Carry a knowledge on food sanitations, quality assurance and food safety.

## **INDUSTRIAL MICROBIOLOGY**

### **COURSE OUTCOMES:**

- The nature and current status of the microorganisms in producing industrial fermentation products.
- About utilization of natural resources on the production of microbial products like enzymes, organic acids, antibiotic, vitamins and alcoholic beverages.
- The methods of transforming natural resources into products.

- Imbibe ideas on different types of fermentors and their functions.
- The opportunities to develop as a bio-entrepreneur by producing microbial products using the natural wastes.

## **FOOD MICROBIOLOGY AND INDUSTRIAL MICROBIOLOGY**

### **(Practical)**

#### **COURSE OUTCOMES:**

- Assess the quality of milk by microbiological analysis.
- Acquire a knowledge on food samples and their analysis.
- Evaluate the microorganisms involved in food spoilage.
- Learn about the preparation of fermented food.
- Understand the microbial roles in food preparations.
- Know about the techniques to isolate and screen the significant microorganisms capable to produce products.
- Generate ideas for the production of ethanol from natural and industrial wastes.
- Carry in-depth knowledge and ideas for the production of biosurfactant and its characterization.
- Isolate and characterize microbial products for further applications.
- Understand the opportunities to emerge as a bio-entrepreneur by producing microbial products from natural wastes.

#### **RECOMBINANT DNA TECHNOLOGY COURSE OUTCOMES:**

- Explain the basic techniques, and milestones of Genetic Engineering.
- Understand the role of Enzymes in Gene manipulation.
- Recognize the relevance of the different kinds of vectors in rDNA technology.
- Acquire basic knowledge about isolation and purification of nucleic acids.
- Describe Gene transfer and other recent techniques of PCR, RAPD and RFLP.

## **MICROBIAL BIOTECHNOLOGY AND BIOETHICS**

### **COURSE OUTCOMES:**

After successful completion of this course, the learners will be able to:

- Gather the basics of producing pharmaceutically valuable products from microbiota.
- Enrich themselves with knowledge of producing biofertilizers and biocontrol agents.
- Attain the knowledge on the exploitation and applications of microalgae.
- Posses the concepts of genetic engineering in plants and animals.
- Get a comprehensive idea about IPR and Bioethics.

## **BIOFERTILIZER TECHNOLOGY**

### **COURSE OUTCOMES:**

- The importance and applications of the biofertilizers for a sustainable agriculture.
- To foster biofertilizers to overcome the applications of chemical fertilizers in the modern farmings.
- The opportunities for the students to develop as a bio-entrepreneur through the production of biofertilizers.
- Exploitation of natural wastes by producing bioorganic fertilizers.
- The concept of biofertilizers' applications in lab and field levels.



## **M.Sc.MICROBIOLOGY**

### **PROGRAMME OUTCOME:**

- Gain advanced knowledge of applied biological sciences and microbial biochemical nature as to enable them find solutions for complex molecular functions and physiology.
- Graduates and their microbial natural recycling knowledge would contribute towards the improvement of soil quality and agricultural output through sustainable microbiological applications.
- Shine as an entrepreneur by using microbes as biofertilizers and biocontrol agents, microbial by-products as pharmaceutically potent molecules and microbes as nutritionally rich sources of food.
- Create self-confidence to develop an entrepreneurship avenue by providing technical and entrepreneurship skills. Skill focused lab courses would highly assist in disease diagnosis, treatment and prevention.
- Understanding of human ethical principles and responsibilities, moral and social values in personal life would bring out a culturally rich and civilized personality.

## **GENERAL MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Strongly understand the basic features of microbes such as bacteria, fungi, algae, protozoa & viruses
- Master the classifications the microbes.
- Learn the working principles of important equipments like microscopes.
- Clearly recognize the contributions of early microbiologists.
- Understand molecular tools required for accurate microbial identifications.

## **BIOLOGICAL MACROMOLECULES**

### **COURSE OUTCOMES:**

- Gain the knowledge of structure and function of biological molecules.
- Discuss the interrelationship between various biomolecules and conservation.
- Understand the structure and functions of blood, hormones and phytohormones.
- Provide the information about basic metabolic regulators' characteristic features.
- Able to explain the interrelationships among biological energy, functions and health.

## **APPLIED BIOLOGICAL SCIENCES**

### **COURSE OUTCOMES:**

- Understand the important components of biological sciences.
- Understand the biological diversity, uniqueness and their characteristic features.
- Know the importance of biological sciences in human welfare
- Appreciate the farm animals' developmental principles and essential qualities.
- Create an awareness to ensure the nature based activities and minimize usage of the experimental animals.

## **MOLECULAR TAXONOMY AND PHYLOGENY**

### **COURSE OUTCOME:**

- The theories, practices, and applications of phylogenetic inference from molecular data
- Current status of microbial taxonomy
- Phylogenetic inference and reconstruction of phylogenetic trees,
- Applying the State-of-the-Art bioinformatics tools in the field.
- Recombinant RNA based fingerprinting and DNA sequences.

## **GENERAL MICROBIOLOGY & BIOLOGICAL MACROMOLECULES**

### **(Practical)**

- Independently check the sterility of the microbiology or other laboratories.
- Carry out sterilization and decontamination of various articles.
- Determine the size of microbes.
- Isolate and preliminarily identify different microbes.
- Check whether a bacterium is motile or non-motile.

### **COURSE OUTCOMES:**

- Practice laboratory safety and precautionary measures.
- Understand the basic analytical instruments, principles and their calibration.
- Learn the molecules separation and filtration techniques.
- Understand the pigmentation profiles of biological materials.
- Comprehend the biochemical differences among animal, plant and microbial cells.

## **BIOLOGICAL TECHNIQUES**

### **COURSE OUTCOMES:**

- Understand the fundamental principles, types and uses of light and electron microscopy.
- Explain basic principles and application of spectroscopic analytical techniques.
- Carry out separation of molecules by chromatographic methods.
- Attain a comprehensive idea about gene cloning, gene transfer and methods to detect clones.
- Develop valuable aptitudes to prepare samples for a multifariousness of analytical methods.

## **FOOD AND DAIRY MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Know Food and microbes and food borne diseases and control.
- Understand the Food fermentation.
- Acquire knowledge on Fermented food products.
- Get a comprehensive idea about the process of Food preservation.
- Develop an understanding of Microbiological standards and quality of dairy products.

## **MEDICAL LABORATORY TECHNOLOGY**

### **COURSE OUTCOMES:**

- Prepare various solutions required for diagnostic procedures in laboratories.
- Conduct immunological tests towards diagnosis of various clinical conditions.
- Handle histopathology-based disease diagnosis.
- Learn various serology & molecular based diagnostic tests; exposure to automation part of diagnostic laboratories.
- Understand the management of biomedical waste and disposing mechanisms.

## **MICROBIAL PHYSIOLOGY AND METABOLISMS**

### **COURSE OUTCOMES:**

- Understand the functional principles of various bacterial cell structures
- Assimilate the mechanism of bacterial cell wall synthesis.
- Differentiate the types of energy generating mechanisms among prokaryotes.
- Understand the microbial adaptation on chemical-ecological processes. Early understand carbohydrate and nitrogen metabolisms.

## **MEDICAL MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Understand classical and molecular determinants of disease-causing microbes
- Describe the characteristics of newer disease-causing bacteria and viruses
- Operate and critique the various molecular tools available to work on the molecular epidemiology of disease-causing microorganisms
- Evaluate mechanisms underlying resistance of bacteria to antibiotics, spread of resistance and the use of newer vaccines to control infectious diseases
- Understand how the infectious diseases are diagnosed using newer diagnostic tools and what automated equipments are available for use in diagnostic microbiology laboratories

## **BIOINFORMATICS AND BIostatISTICS**

### **COURSE OUTCOME:**

- Know the theory behind fundamental bioinformatics.
- Analyze protein and nucleotide sequences.
- Know concepts of probability and statistics.
- Assess biological results statistically and understand the significance of experimental data.
- Know the applications and limitations of bioinformatics methods.

## **PHARMACEUTICAL MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Know how to evaluate a new drug for its antimicrobial property in the laboratory
- Perform standard sterility testing procedures of pharmaceutical products.
- Prepare and control the quality of pharmaceutical products representing various categories.
- Understand the contaminants & spoilage of pharmaceutical products & their prevention.
- Recognize the importance of good manufacturing, laboratory & clinical practices as well as the role of animal cell culture in pharmacy industries.

## **MICROBIAL PHYSIOLOGY AND METABOLISM & MEDICAL MICROBIOLOGY (Practical)**

### **COURSE OUTCOME:**

- Describe the collection and transportation of clinical specimens and diagnosis of various important infections.
- Learn all the identification methods of bacterial pathogens.
- Understand the laboratory diagnosis of all system-based diseases.
- Learn the diagnostic techniques of fungal and parasitic diseases.
- Understand all biochemical tests and the process of antibiotic sensitivity assay.

## **MARINE MICROBIOLOGY**

### **COURSE OUTCOME:**

- How the marine microbes play an important role in the earth system.
- The details of marine diversity, organisms, sea food and its importance, microbial marine products.
- Apply the principles of marine microbiology to understand the biological phenomena occurring in marine environments.
- The current problems and importance of marine eco system.
- Realize and counteract the marine pollution, the control measures, bio-corrosion and bioremediation

## **MICROBIAL BIOTECHNOLOGY**

### **COURSE OUTCOMES:**

- Receive a fundamental knowledge on therapeutic agents and vaccines
- Understand the microbial production of commercial products
- Acquire idea about the role of PGPR, biofertilizers and biocontrol agents
- Carry a knowledge on plant and algal biotechnology and bioremediation
- Impart ideas on animal biotechnology and IPR

## **MEN AND MICROBES**

### **COURSE OUTCOMES:**

- Know the microbiological field developments and essential components.
- Understand the environment, microbiology & human values.
- Realise the primary producers' functional and supportive systems.
- Comprehend microbes beneficial & harmful attributes.
- Understand the microbial products' importance and their usage in day-to-day life.

## **MOLECULAR BIOLOGY AND MICROBIAL GENETICS**

### **COURSE OUTCOME:**

- Explain the processes behind mutations and other gene transfer mechanism.
- Understand genetic regulatory mechanisms at different aspect.
- Describe mechanisms of transcription, translation and gene expression in detail.
- Investigate interesting biological problems with genetic relevance.
- Evaluate the current topics of microbial genetics and related fields.

## **ENVIRONMENT AND AGRICULTURAL MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Know about the significance of the microbes in atmosphere and water.
- Get in-depth information about the harmful effects and beneficial role of microbes in each sector.
- Acquire in depth knowledge on water and waste water treatment to tackle the current environmental problems.
- Provide meticulous thoughts on the task of microbes in waste water treatment and solid waste management.
- Get in-depth information about exploitation of natural wastes by producing bioorganic fertilizers.

## **BIOPROCESS TECHNOLOGY**

### **COURSE OUTCOMES:**

- Know about the nature and current status of the bio-resources.
- Obtain in-depth information about utilization of natural resources in the production of microbial products like enzymes, organic acids, antibiotic, vitamins, alcoholic beverages, steroid and non-steroid components.
- Carry in-depth theoretical knowledge of natural resources' utilization.
- Comprehend ideas on different types of fermentors and their functions.
- Understand the available opportunities to develop bio-entrepreneurship by producing microbial products using natural wastes.

## **BIOETHICS AND INTELLECTUAL PROPERTY RIGHTS**

### **COURSE OUTCOMES:**

- Gain awareness about Intellectual Property Rights (IPRs) for protecting their ideas.
- Competent to devise business strategies by taking account of IPRs
- Proficient in technology upgradation and enhancing competitiveness.
- Acquire adequate knowledge in the use of genetically modified organisms and their effect on human health
- Gain more insights into the regulatory affairs.



## **MICROBIAL GENETICS AND MOLECULAR BIOLOGY & ENVIRONMENT AND AGRICULTURAL MICROBIOLOGY (Practical)**

### **COURSE OUTCOMES:**

- Know about the techniques to isolate and assess the harmful microorganisms in environmental samples.
- Practice procedures to enumerate microbes of air and water.
- Get an idea to isolate and characterize the microbes in extreme environmental conditions.
- Acquire advanced practical knowledge.
- Exhibit their practical knowledge in research laboratories and industries.

## **GENETIC ENGINEERING**

### **COURSE OUTCOMES:**

- Understand the basics of gene cloning steps and various methods of gene cloning.
- Acquire the knowledge of various tools required for genetic engineering.
- Grasp various gene cloning and expression vectors needed for gene cloning /manipulation.
- Understand genome mapping and protein engineering methods.
- Comprehend the genetic engineering knowledge that could lead to next level of research.

## **MICROBIAL NANOTECHNOLOGY**

### **COURSE OUTCOMES:**

- The nature of nanotechnology and bionanotechnology.
- The use of nano materials in biological screening.
- The use of nanotechnology in medicine.
- The use of nanotechnology in pollution control.
- The biosynthesis of nanoparticles using microorganisms.

## **PUBLIC HEALTH MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Understand the process of Public health Microbiology to prevent disease, promote health, and prolong life among the population as a whole.
- Help and protect the health of people and the communities where they live, learn, work and play.
- Carry an awareness on sexually transmitted diseases and diagnosis of infectious diseases.
- Understand National disease control plans for major infectious diseases.
- Know vaccination programme and control of community infections.

## **ADVANCES IN VIROLOGY**

### **COURSE OUTCOMES:**

- Describe virus structure, process of virus attachment and entry, virus assembly and release.
- Explain steps in virus infection, transmission, patterns of infection, virus virulence, and host defense against virus infection.
- Know methods of making virus vaccines and anti-viral drugs, drivers of virus evolution, and emerging viruses.
- Understand unusual infectious agents, virus mediated cellular transformation and oncogenesis.
- Gain knowledge about newer emerging viral infections including the viral mutant forms for emerging.

## **IMMUNOLOGY AND IMMUNOTECHNOLOGY**

### **COURSE OUTCOMES:**

- Understand the fundamental bases of immune system and immune response.
- Gather information about the structure and organization of various components of the immune system.
- Elaborate the genetic organization of the genes meant for expression of immune cell receptors and the bases of the generation of their diversity.
- Point out the operation and the mechanisms which underlie the immune response.
- Describe the phenomena like host defense, hypersensitivity (allergy), organ transplantation and certain immunological diseases.

## **INDUSTRY BASED COURSE ENTREPRENEURSHIP IN MICROBIOLOGY**

### **COURSE OUTCOMES:**

- Understand the basic knowledge of entrepreneurship programmes.
- Learn the resource for government and non-government schemes for entrepreneurship
- Imbibe structure of a bio-based technology.
- Initiate a Start-up of bio-based technology, bio-based business development.
- Make an impact on societal development in rural and under-privileged sectors.

## **QUALITY CONTROL IN INDUSTRIES**

### **COURSE OUTCOMES:**

- Enhance their knowledge on quality control management in the various industries.
- Know how all the fundamental disciplines of industry are intrinsically linked with the concepts of service excellence and

quality.

- Explore mainly the quality control of pharmaceutical and food products.
- Investigate the quality control of food foodstuffs to maintain their safety and quality.
- Acquire knowledge on environment monitoring and regulations.