

## COURSE OUTCOME

### Programme Outcomes:

The Curriculum offered in the college is prescribed by the University and the College pays attention towards the incorporation of the specific knowledge, skills and attitude a student should develop during his/her tenure of study with respect to a specific Programme. The Programme outcome is graded to the level of education and the specific skill sets that are to be attained have been schemed with utmost care.

### Programme Outcome at Undergraduate Level:

- Undergraduate students shall be exposed to a new learning atmosphere by way of understanding the concepts and developing in-depth knowledge related to their academic programme.
- Undergraduate students shall be imparted with a complete skill set consisting of analytical, problem solving and critical thinking skills to analyze an individual's strengths and challenges. They shall be equipped to deliver job skills and become skilled professionals in their respective domains.
- Undergraduate students shall be encouraged to indulge themselves in the self-learning process through co-curricular activities, industrial exposures and field training.
- Undergraduate students shall be educated with moral and ethical values to shape them into responsible citizens in society.

### Programme Outcome at Postgraduate Level:

- Post graduate students shall be equipped with intense knowledge in their discipline.
- Post Graduate students shall develop specialized skills to plan, analyze and draw conclusions related to their respective field of study.
- Post graduate students will undergo projects and research activities under the guidance of experts to develop knowledge and become experts in their field of study.
- Post graduate students shall be trained to understand and incorporate new technologies in their own discipline and excel in their area of specialization.

Post graduate students shall develop social and ethical responsibility in the transfer of knowledge.

V. Devi  
20/10/23  
Principal  
THIRUTHANGAL NADAR COLLEGE  
SELAVAYAL, CHENNAI-600 051.

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>			
<b>Programme</b>		<b>B.COM - GENERAL</b>	
<b>Programme Outcomes</b>			
<b>PO1:</b>	After completing Bachelor program students would gain a thorough grounding in the fundamentals of Commerce and Finance		
<b>PO2:</b>	The curriculum offers a number of specializations and which would equip the student to face the modern-day challenges in commerce and business		
<b>PO3:</b>	Students will learn relevant accounting skills, applying both quantitative and qualitative knowledge to their future careers in business		
<b>PO4:</b>	Learners will acquire the skills like effective communication, decision making, problem solving in day to day business affairs		
<b>PO5:</b>	Fundamentals of law relating to company and commercial activities		
<b>PO6:</b>	To enrich the knowledge in Banking field		
<b>Specific Programme</b>		<b>COMMERCE</b>	
<b>Programme Specific Outcomes</b>			
<b>PSO1:</b>	Obtain the skill of applying the knowledge in various spheres of Commerce.		
<b>PSO2:</b>	Identify business opportunities and become an entrepreneur.		
<b>PSO3:</b>	Learners will be able to prove proficiency with the ability to engage in competitive exams like CA, CS, ICWA and other courses.		
<b>PSO4:</b>	Students will acquires problem solving skills within various disciplines of management ,business ,accounting, finance and law.		
<b>PSO5:</b>	Giving confidence and theoretical support for pursuing Higher education.		
<b>Course Outcomes</b>			
<b>S.No</b>	<b>Subject Name &amp;</b>	<b>Course Outcomes</b>	
1	FINANCIAL ACOOOUNTING-I CPZ1A	CO1:	Preparing financial statements in accordance with appropriate standards.
		CO2:	Prepare ledger accounts using double entry bookkeeping and record journal entries accordingly
		CO3:	Interpreting the business implications of financial statement information
		CO4:	Preparing accounting information for planning and control and for the evaluation of finance.
		CO5:	Prepare Bank reconciliation statement from incomplete statement
2	BUSINESS COMMUNICATION CPZ1B	CO1:	Enable the students to know about the principles, objectives and importance of communication in commerce and trade.
		CO2:	Develop the students to write business letters.
		CO3:	Awareness about various types of business correspondence
		CO4:	Develop the students to write business reports
		CO5:	Enable the learners to update with modern trend of communication
3	BUSINESS ECONOMICS CDZ1A	CO1:	It gives solution to the basic problem in business management
		CO2:	It supply data for analysis and forecasting
		CO3:	It provides tools for demand forecasting in business
		CO4:	Increase management skills
		CO5:	It helps to appear group-I exam and other competitive exams sucessfully
4	ADVANCE FINANCIAL ACCOUNTING-II CPZ2A	CO1:	To familiarize the concept of Branch account and its system
		CO2:	To understand the conept of Departmental accounts and segaregate the allotment
		CO3:	What do you mean by hire purchases , H.P Agreement
		CO4:	To gain knowledge regarding Types of partner and their role in business
		CO5:	To eluminate the partners while Dissolution of partnership firm
5	PRINICIPLES OF MANAGEMENT CPZ2B	CO1:	Enable the students to study the evolution of Management, to study the functions and principles of management
		CO2:	Understanding the importance, elements and techniques of planning for carrying out effective management
		CO3:	Facilitates the students in appreciating need/significance and applications of various managerial functions
		CO4:	Understanding basic concepts of staff recruitment process.
		CO5:	Knowing controlling techniques for attaining goals of business organisation

6	INDIAN ECONOMY CDZ2A	CO1:	To know the various Economic conditions prevailing in india
		CO2:	To understand the poverty level
		CO3:	It enables to understand the budget
		CO4:	It helps to findout the growth of industrial sector in india
		CO5:	It enable to understand the land reform measures
7	CORPORATE ACCOUNTING - I CPZ3A	CO1:	Enabling the students to understand the features of Shares and Debentures
		CO2:	Develop an understanding about redemption of Shares and Debenture and its types
		CO3:	give an exposure to the company final accounts
		CO4:	To provide knowledge on Goodwill
		CO5:	Students can get an idea about internal reconstruction
8	BUSINESS LAW CPZ3B	CO1:	To highlight the Provisions of Law governing the General Contract and Special Contract
		CO2:	To enable the students to understand the Legal Remedies available in the Law to the Business and other People.
		CO3:	To enhance the skill of legal contract act system
		CO4:	Highlight the various Performance of Contract
		CO5:	Expose the taxation system adapt in the business
9	BANKING THEORY LAW & PRACTICE CPZ3C	CO1:	To grap the evolution of banking system in Indian
		CO2:	To understand the nature of present day banking in India.
		CO3:	Gain an insight on the nature of banking law and to know the procedure for making transactions in the banking institutions
		CO4:	To understand the dynamics of banking transactions of people.
		CO5:	To learn the meaning and importance of developments in the practices of banking in India
10	MARKETING CPZ3D	CO1:	Highlight the various marketing functions and to impart necessary skills which help the students to choose a career in the field of marketing.
		CO2:	To provide basic knowledge about the latest trends in marketing.
		CO3:	To enable the students to understand about Buyer Behaviour.
		CO4:	To make the students to gain knowledge about Product, Pricing, Personal Selling and Advertising
		CO5:	After completion of this unit the students will gain knowledge about Product Lifecycle, Pricing Methods and Advertising.
11	BUSINESS STATISTICS CDZ3A	CO1:	To familiarizes the concept of statistics
		CO2:	To provide practical exposure on calculation of measures of average
		CO3:	To provide practical exposure on calculation of measures of correlation
		CO4:	To introduce the students about the concept of provability
		CO5:	To provide practical exposure on calculation of trend analysis
12	ADVANCE CORPORATE ACCOUNTING - II CPZ4A	CO1:	Enable the students to understand about amalgamation , absorption and external reconstruction
		CO2:	To make them aware about accounts of banking companies
		CO3:	Keep them aware about accounts of insurance companies
		CO4:	Enable the students to gain an idea of liquidation of companies
		CO5:	To introduce and develop knowledge of holding companies accounts
13	COMPANY LAW CPZ4B	CO1:	Enable to the student to understand about company and kinds.
		CO2:	Various types of shares in Indian Company.
		CO3:	Introduce develop the knowledge of company directors including women directors.
		CO4:	understand about the meeting and resolutions.
		CO5:	To know about how to winding up of company.
14	FINANCIAL SERVICE CPZ4C	CO1:	Provides an idea about fundamentals of financial services and players in financial sectors
		CO2:	Provides an idea about fundamentals of financial services and players in financial sectors
		CO3:	Helps to understand the concept of leasing and hire purchases
		CO4:	Provide knowledge about leasing and hire purchase concepts
		CO5:	Enables them to understand about different types of insurance and IRDA Act.

15	INDIRECT TAXATION CPZ4E	CO1:	Facilitate the students to gain knowledge of the principles of indirect taxation.
		CO2:	Enable the students to gain knowledge of goods and services.
		CO3:	Know about assessment and proceedings.
		CO4:	Understand about goods and service audit.
		CO5:	Highlight the students about customs duty
16	OPERATION RESEARCH CDZ4A	CO1:	To Understand the foundation of reserach
		CO2:	Identify and develop operational research models from the verbal description of the real system
		CO3:	To help the students to understand thevarious techniques if solving problems
		CO4:	To apply these techniques constructively to make effective business decisions.
		CO5:	The ability to conduct experiments and interpret the experimental data to reach at substantial outcomes
17	ELEMENTS OF COST ACCOUNTING - I	CO1:	Aimed to familiarize the concept of cost accounting
		CO2:	Helps to gather knowledge on preparation of cost sheet in its practical point of view
		CO3:	Facilitate the idea and meaning of material control with pricing methods
		CO4:	Develop the knowledge about remuneration and incentives
		CO5:	Introduce the concept of overhead cost
18	FINANCIAL MANAGEMENT	CO1:	Facilitate the student to undertstand health and wealth aspet of business
		CO2:	Provides an awareness about capital structure and theories of capital structure
		CO3:	Enable students to understand how cost of capital is deived and uses in wide aspects
		CO4:	Provide knowledge about dividend policies and various dividend models and its importance.
		CO5:	Enable them to understand working capital management requirement and its calculations.
19	INCOME TAX LAW & PRACTICE - I	CO1:	Understanding the basic concept of Income Tax
		CO2:	Enable to derive the salary income and tax deductions.
		CO3:	It helps to build an idea about income from house property and its computation.
		CO4:	It give more idea about the income from business or profession and its computation
		CO5:	Make the students familiarizes with the concept of depreciation and its provisions
20	ENTREPRENUR DEVELOPMENT	CO1:	Understanding the basic concepts in connection with entrepreneurship
		CO2:	Awareness on various Entrepreneurship Development Programme
		CO3:	Gaining knowledge about project formulation
		CO4:	Familiarising with EDP schemes
		CO5:	Knowledge about MSME, EDI and other training institutes in Entrepreneurship
21	PRACTICAL AUDITING	CO1:	understand the nature of present day auditing in India.
		CO2:	Enable them to understand auditing vouching.
		CO3:	Gain an insight on the nature of auditing practices and to know the procedure for auditing
		CO4:	understand the dynamics of auditing transactions of various institutions
		CO5:	It helps to learn the meaning and importance of developments in the practices of auditing in India

22	ADVANCE COST ACCOUNTING	CO1:	This course aims to enlighten the students on the various methods of costing adopted in practice.
		CO2:	To keep the student conversant with the ever – enlarging frontiers of Cost Accounting Knowledge.
		CO3:	On successful completion of this unit the students should have through knowledge on the accounting and control procedure of labour and overheads cost.
		CO4:	On successful completion of this unit the student should have through knowledge on the practical application of process costing.
		CO5:	To successful completion of this unit the students should have through knowledge on the practical methods of costing
23	MANAGEMENT ACCOUNTING	CO1:	To enlighten the students thought and knowledge on management Accounting
		CO2:	Helps to give proper idea on financial statement analysis in practical point of view
		CO3:	Introduce the concept of fund flow and cash flow statement
		CO4:	Provide knowledge about budget control keeping in mind the scope of the concept
		CO5:	To develop the know-how and concept of marginal costing with practical problems
24	BUSINESS ENVIRONMENT	CO1:	Enrich the students to develop the business environment skill with available source
		CO2:	Enhance the skill to utilise the environmental source in business
		CO3:	Identify the interanal and exteranal factors of BE and Social Responsibilities of Business. Learn to adapt Business Ethics & Values - Corporate Governance
		CO4:	Enlight students to have an overview regarding Consumer Protection Act, Competition Act and LPG
		CO5:	Sustainable Development Green Index Natural and Technological Environment
25	INCOME TAX LAW & PRACTICE	CO1:	Develop an idea about capital gain among students
		CO2:	Enlighten the concept of income from other source
		CO3:	Enabling the students to have a fair idea on set-off and carry forward of losses
		CO4:	The concept of assessment of individual and filing return practical implimentation
		CO5:	Equip the students with thoughts and points on assessment of firms
26	HUMAN RESOURCE MANAGEMENT	CO1:	Aim to enable the students in Human Resources Management
		CO2:	Introduce the students about placement and training
		CO3:	Facilitate the knowledge about performance appraisal and different methods.To provide an idea about different compensation policies
		CO4:	Acquaint students with the techniques and principles to manage human resource of an organisation.
		CO5:	Great exposure to provide adequate skill to the relationship among employer and employee in the organization

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>		
<b>Programme</b>		<b>B.COM</b>
<b>Programme Outcomes</b>		
PO1: Students gain knowledge in accounting, banking, finance and business ethics.		
PO2: Students will be familiar in the areas of administration, tax formalities and communication.		
PO3: Students are upto date to work in the business world.		
<b>Specific Programme</b>		<b>Bank Management</b>
<b>Programme Specific Outcomes</b>		
PSO1: Students learn relevant accounting carrier skills .		
PSO2: Students are able to apply their qualitative and quantitative knowledge in banking sector.		
PSO3: Learners will prove proficiency to engage in competitive exams.		
PSO4: Learners can do higher studies like CA, ICWA, CMA, PG Courses like MBA, M.COM and other arts courses.		
PSO5: Learners also acquire practical skills as tax consultant, audit assistant and other financial supporting services.		
PSO6: Learners will able to go higher education in banking sector, commerce and finance.		
<b>Course Outcomes</b>		
<b>S.No</b>	<b>Subject Name &amp; Subject Code</b>	<b>Course Outcomes</b>
1	<b>FINANCIAL ACCOUNTING</b>	CO1: Enable the students to know the Principles of Accounting.
		CO2: Helps to understand the system of keeping financial Accounting Records.
		CO3: Recognise circumstances providing for increased exposure to errors and frauds.
		CO4: Equip the students knowledge in the preparation of final Accounts of sole trade
		CO5: Determine the useful Value of the depreciable asset
2	<b>BUSINESS COMMUNICATION</b>	CO1: Understand the concept, process and importance of communication
		CO2: Understanding the new technologies in Business Communication
		CO3: Explain how to use various skills in Business Communication
		CO4: Helps to draft various business Letter
3	<b>PRINCIPLES OF MANAGEMENT</b>	CO1: Understands the importance of Management and Principles
		CO2: Understands the functional areas of Planning, Organising, Directing, Decisions- making
4	<b>PRACTICAL AUDITING</b>	CO1: Enable to understand the concept and Principles of Auditing, Audit process, Taxation and Auditing through computerized Process
		CO2: Enable to know about the preparation of Audit report and its importance

5	<b>ADVANCED CORPORATE ACCOUNTS</b>	CO1: Enable the students to understand the application of Accounting transaction in Corporate sector
		CO2: Enable the students to prepare the Balance sheet of Banks & Insurance companies
		CO3: Explain the liquidation of Company and its Accounting procedures
6	<b>FINANCIAL SERVICES</b>	CO1: Enable the students to understand the world of Financial
		CO2: Explain the stock exchange and their workings
		CO3: Helps the students to know about venture capital finance and
7	<b>BUSINESS LAW</b>	CO1: Enable the students to understand the legal remedies available
		CO2: Helps to understand how to sue for business activity
		CO3: Explain the sale of goods Act and remedies available for unpaid seller
8	<b>BANKING</b>	CO1: Enable the students to understand the origin and growth of Indian Banking System
		CO2: Explain modern forms of banking
		CO3: Helps the students to know about the negotiable instruments and how to use them in day today life
9	<b>MANAGEMENT ACCOUNTING</b>	CO1: Enable the students to develop competence with their usage in managerial decision making and control
		CO2: Understands the various concepts of working capital
		CO3: Enables the students to get knowledge about various techniques of management principles
10	<b>CORPORATE ACCOUNTING</b>	CO1: Enable the students to understand the features of shares and debentures
		CO2 : Enable to prepare final accounts of manufacturing companies
		CO3: Learn about the valuation of shares and goodwill
		CO3 :Helps to analyse the measurement of performance of companies
11	<b>COMPANY LAW</b>	CO1: Enlighten the students on the provision governing the company law.
		CO2: Enable the students to understand about share capital, debentures.
		CO3: Enable the students to aware the recent assessment to meeting, resolutions, and winding up of companies.
12	<b>BANKING THEORY REGULATORY MACHANISM</b>	CO1: Enable the students to understand the concept of Banking structure
		CO2: Enable the students to know the relationship between Banking theory reforms of Monetary policy
		CO3: Helps to know about the Role of NBF'C
13	<b>INTERNATIONAL BANKING</b>	CO1: Enable the students to know about the concept of international banking services
		CO2: Highlight the role of international financial institutions
		CO3: Highlight the role of foreign exchange Management

14	<b>CREDIT AND RISK MANAGEMENT</b>	CO1: Expose the students to know the concept of Credit and Risk Management
		CO2: Enable the students to know about the Lending policy and Corporate finance
		CO3: Helps the students to know about Loan processing and recovering commercial loan
15	<b>TECHNOLOGY IN BANKING</b>	CO1: Expose the students to learn the role of technology in banking sector.
		CO2: Enable the students to understand the concept of application of technology in banking sector
		CO3: Enable the students to know about cyber laws and its implications.
16	<b>MARKETING OF BANKING SERVICES</b>	CO1: Enable the students to understand the relationship between Banking and marketing
		CO2: Enable the students understand the application of marketing Principles in Banking sector
17	<b>TREASURY MANAGEMENT</b>	CO1: Enable the students to know more about asset liability and risk management.
		CO2: Enable the students to know about money market.
		CO3: Enable the students to understand foreign currency market.
18	<b>CUSTOMER SERVICE RELATIONSHIP</b>	CO1: Exposure the students to learn the role of customer Relations Management in the process of Communication
		CO2: Helps the students to understand the Relationship between Banker and customer
		CO3: Helps to know about market research review of evaluation
19	<b>BUSINESS ECONOMICS</b>	CO1: Enable the students to know the relationship between demand and supply.
		CO2: Helps the students to understand the Law of diminishing marginal utility.
		CO3: It helps the students to classify cost and analysing break even point.
20	<b>INTERNATIONAL ECONOMICS</b>	CO1: It helps the students to know about foreign trade.
		CO2: It helps the students to know about procedure of export management.
		CO3: Enable the students to understand the functions of international economic organisation.
21	<b>INDIRECT TAXATION</b>	CO1: Helps the students to know about tax system in India.
		CO2: Helps the students to know about the scope and benefits of GST.
		CO3: Helps the students to aware of customs duty.



22	<b>BUSINESS MATHS 1 &amp;2</b>	CO1: The students will be able to understand the concept of equations and mathematical expression.
		CO2: Analyse and demonstrate mathematical skills to in mathematical intensive areas in business

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>			
<b>Programme</b>		<b>M.COM (GENERAL) Specialitation - Marketing</b>	
<b>Programme Outcomes</b>			
PO1:	understand local and international issues on finance, marketing, human resource and management.		
PO2:	identify reason for profit or loss and give solutions for economic viability of a busuness		
PO3:	acquiring practical skills in the areas of business through summer intenship program		
PO4:	use current techniques and skills necessary for business and costing.		
PO5:	serve as a human resource needed for industry, consultancy, education, service,research, public		
PO6:	Gaining knowledge in research methodology		
<b>Specific Programme</b>		<b>COMMERCE</b>	
<b>Programme Specific Outcomes</b>			
PSO1:	To enable for pursuing research in their chosen areas.		
PSO2:	To enable for teaching in Schools and Colleges after qualifying requisite tests.		
PSO3:	To enable for working as data analyst.		
PSO4:	To work as investment consultants in Banking and Insurance sector		
PSO5:	recognise the need and importance of effective communication		
PSO6:	gain knowledge on Indian Financial System and electronic payment techniques		
PSO7:	develop the competency in students to pursue higher level programmes in commerce and management		
PSO8:	generate and initiate innovative business ideas.		
<b>Course Outcomes</b>			
<b>S.No</b>	<b>Subject Name &amp;</b>	<b>Course Outcomes</b>	
<b>1</b>	<b>ADVANCE CORPORATE ACCOUNTING</b>	CO1:	Enable to understand the accounting treatment of partially forfeitted and reissuing shares and debentures of partly paidup.
		CO2:	Helps to understand the accounting procedure for amalgamation, absorbption and winding up.
		CO3:	Able to understand the accounting transaction among minority and holding company
		CO4:	The student can able to prepare the accounts of Banking Companies, Insurance and human resource accouting
		CO5:	The student can understand the concept and component of Indian and International Accounting Standard
<b>2</b>	<b>ORGANISATIONAL BEHAVIOUR</b>	CO1:	Equip the students with the basic idea and introduction on organizational behavior as a concept
		CO2:	Gaining knowledge on the concept and difference theories on motivation
		CO3:	Helps the students to gain more knowledge on Group Behavior.
		CO4:	Understanding the concept of leadership
		CO5:	Understanding the concept of conflict management
<b>3</b>	<b>CUSTOMER RELATIONSHIP MANAGEMENT</b>	CO1:	Undrestand the concept of measurement methods in CRM
		CO2:	Ability to learn the survey design of CRM
		CO3:	Enlight the Relationship concept and drive in CRM
		CO4:	Enhance Partnership Concept of CRM
		CO5:	Output source of Corporate culture change in the technology
<b>4</b>	<b>FINANCIAL MANAGEMENT</b>	CO1:	Skill to manage financial resources of a company.
		CO2:	Knowledge about the various sources of finance available to businessmen these days.
		CO3:	Ability to select an investment proposal by analyzing the compounded and discounted value of money invested.
		CO4:	Gaining knowledge about dividend policies and various dividend models.
		CO5:	Enable them to understand working capital management

5	MANAGERIAL ECONOMICS	CO1:	Analyse Scope and methods of Managerial Economics
		CO2:	Apply Concept and tools of demand analysis
		CO3:	Enumerate Concepts in resource allocation
		CO4:	Evaluate Market Structure and Advertisement budgeting
		CO5:	Apply Pricing methods and approaches
6	COST AND MANAGEMENT ACCOUNTS	CO1:	Analyse Cost Control and Reduction
		CO2:	Understand Costing Methods
		CO3:	Determine the Budgeting Control methods
		CO4:	Apply Cost Volume Profit analysis
		CO5:	Analyse Financial Statement analysis
7	MARKETING OF SERVICES	CO1:	Understand Classification of services and implications
		CO2:	Identify Marketing strategies for service firms
		CO3:	Understand Pricing of services
		CO4:	Understand Marketing of financial services
		CO5:	Identify Customer Relationship Marketing
8	TOTAL QUALITY MANAGEMENT	CO1:	Identify Quality and Cost considerations
		CO2:	Evaluate Statistically Quality Control
		CO3:	Understand Sampling Inspection
		CO4:	Identify Quality management System and total quality control
		CO5:	Understand ISO 9000 and environmental management system
9	CONSUMER BEHAVIOUR	CO1:	Identify Consumer Behavior models
		CO2:	Understand Internal Influences on consumer behavior
		CO3:	Describe External Influences on consumer behavior
		CO4:	Understand Consumer decision processes
		CO5:	Comprehend Family and household decision making.
10	QUANTITATIVE TECHNIQUES FOR BUSINESS DECISION	CO1:	Understand Probability Theory
		CO2:	Analyse Sampling Techniques
		CO3:	Apply Testing Hypothesis, Chi-square, f-test
		CO4:	Comprehend Correlation and Regression Apply linear programming
		CO5:	Apply linear programming
11	ADVERTISING AND SALESMENSHIP	CO1:	Ability to study market trends and consumer behavior.
		CO2:	Understanding of sales milestones, sales situations, selling styles and sales strategies followed by different business houses.
		CO3:	Ability to connecting advertising strategies and organizational goals with the moral code of conduct in advertising.
		CO4:	Skill to targeting new business and exploit new areas of opportunity.
		CO5:	Enable to know about personal selling and various medias.
12	BUSINESS ETHICS	CO1:	Understand Concept of ethics and ethical management
		CO2:	Describe the Environmental Responsibility
		CO3:	Describe Corporate Social Responsibility
		CO4:	Generate Corporate Governance
		CO5:	Describe Codes of Governance
13	CONSUMER RIGHTS	CO1:	Knowledge about the consumer decision making process.
		CO2:	Understanding of the influence of various environmental factors on consumer behaviour.
		CO3:	Have practical insight at the various stages of purchasing.
		CO4:	Understand about consumer satisfaction and communication mix
		CO5:	Knowledge about advertising
		CO1:	Understand Knowledge economy and Knowledge management strategy

14	KNOWLEDGE MANAGEMENT	CO2:	Identify Knowledge Attributes
		CO3:	Understand Infrastructure of Knowledge Management and Applications
		CO4:	Develop Knowledge Culture
		CO5:	Comprehend Knowledge Management tools, techniques and knowledge audit
15	RESEARCH METHODOLOGY	CO1:	Understand Meaning of Research and research design.
		CO2:	Applied the Hypothesis testing concept
		CO3:	Identify the research problem research design and Methods of Data collection and pilot study
		CO4:	Develop Processing and Analysis of data and SPSS packaging
		CO5:	Apply Report writing and drafting of report
16	FUNDAMENTAL INFORMATION SYSTEM	CO1:	Understand computer system and Boolean function
		CO2:	Understand the Computer Software: 'C', DBMS, RDBMS
		CO3:	Create MS Word, Power point
		CO4:	Use Internet and e-mail
		CO5:	Design Application software
17	INVESTMENT ANALYSIS AND PORTFOLIO	CO1:	Familiarization with the designing and construction of portfolios.
		CO2:	Knowledge about techniques of doing investment analysis.
		CO3:	Ability to identify and study the trends of stock markets.
		CO4:	Ability to take investment decisions taking into consideration various determinants influencing investment decisions.
		CO5:	To make them understand the investment decisions and portfolio performance
18	MERCHANT BANKING AND FINANCIAL SERVICES	CO1:	Understand Merchant Banking and its functions
		CO2:	Understand the Public issue management
		CO3:	Demonstrate Post –Issue activities and portfolio management services
		CO4:	Describe Underwriting and global debt instruments
		CO5:	Understand the Depository receipts and stock exchanges
19	INTERNATIONAL MARKETING	CO1:	Develop a market oriented and global entrepreneurship skill
		CO2:	Able to make strategy marketing decision in global environment
		CO3:	To learn about international pricing policy
		CO4:	Understand the various advertising and promotional strategy for global market
		CO5:	To know about various distribution channel and issues in global logistics
20	MANAGEMENT INFORMATION SYSTEM	CO1:	Understand Concept and components of MIS
		CO2:	Understand Data Base Management systems
		CO3:	Discuss Information system
		CO4:	Indicate Transaction processing and support system
		CO5:	Describe Functional Information systems

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>		
<b>Programme</b>	<b>B.COM ACCOUNTING &amp; FINANCE</b>	
<b>Programme Outcomes</b>		
PO 1 The students will be ready for employment in functional areas like accounting, finance, taxation, banking, insurance and management.		
PO 2 .An attitude for working effectively and efficiently in business environment.		
PO 3. Students gain knowledge of various discipline of commerce, business, accounting, auditing, marketing and statistics.		
<b>Specific Programme</b>	<b>ACCOUNTING &amp; FINANCE</b>	
<b>Programme Specific Outcomes</b>		
PSO 1 Students also acquire skills to work as tax consultants ,audit assistant,and othert financial services		
PSO 2. Students have choices to persue professional course		
PSO 3. Students are able to play roles of Bussiness man, Entrepreneur,Manager, Consultant. It also help the students to use their knowledge in times of decision making.		
<b>Course Outcomes</b>		
<b>S.No</b>	<b>Subject Name &amp;</b>	<b>Course Outcomes</b>
1	<b>FINANCIAL ACCOUNTING</b>	CO1: Enable the students to know the Principles of Accounting.
		CO2:Helps to understand the system of keeping financial Accounting Records.
		CO3:Recognise circumstances providing for increased exposure to errors and frauds.
		CO4:Equip the students knowledge in the preparation of final Accounts of soletrade
		CO5:Determine the useful Value of the depreciable asset
2	<b>MARKETING</b>	CO1: Students understand the importance of marketing in day to day Business World.
		CO2: Enable the students to understand the feature of Indian Market
		CO3:Helps to understand Product Mix
		CO4:Helps the students to know about different ways of selling a product
		CO5:Helps the students to know about new product development.
3	<b>ADVANCED FINANCIAL ACCOUNTING</b>	CO1: Learn to prepare Branch accounting system
		CO2:Understand the concept of Hire Purchase and Instalment system
		CO3:Know the ascertainment of profits of partnership firms
		CO4:Learn to prepare the accounts of dissolution of paqrtnership firms
		CO5 :Helps to know about distribution of profit Iin case of liquidation of partnership firms
4	<b>BUSINESS ENVIRONMENT</b>	CO1:Enable the students to know the factors influencing the changes in the business climate
		CO2: Examine how different factors and trends are likely to impact upon a proposed business ventures
		CO3: Understands the relationship between environment and business
		CO4: Understands economic, social-cultural and technological environment
		Understands the different economic parameters like GDP, growth rate population , fiscal deficit policy etc;

5	<b>OR</b>	CO1: Understands the concept of operation research.
		CO2 :Formulate and solve linear programming model
		CO3: Understands the application of transportation,assignment, network analysis, game theory and replacement decisipon in businesss scenario.
6	<b>ADVANCED CORPORATE ACCOUNTS</b>	CO1: Enable the students to understand the application of Accounting transaction is Corporate sector
		CO2: Enable the students to prepare the Balance sheet of Banks & Insurance companies
		CO3: Explain the liquidation of Company and its Accounting procedures
7	<b>FINANCIAL SERVICES</b>	CO1: Enable the students to understand the world of Financial services
		CO2: Explain the stock exchange and their workings
		CO3:Helps the students to know about venture capital finance and Mutual fund investments
8	<b>BUSINESS LAW</b>	CO1: Enable the students to understand the legal remedies available in the law to the business and other people
		CO2: Helps to understand how to sue for business activity
		CO3: Explain the sale of goods Act and remedies available for unpaid seller
9	<b>BANKING</b>	CO1: Enable the students to understand the origin and growth of Indian Banking System
		CO2: Explain modern forms of banking
10	<b>ENTREPRENEURIAL DEVELOPMENT</b>	CO1: Enable the students to understand the concept of entrepreneurship and there work in life
		CO2: Enable the students to know the effectiveness of the manpower in entrepreneurship
		CO3:Helps to understand the ROLE of entrepreneurship in the Economic development.
11	<b>PRINCIPLES OF MANAGEMENT</b>	CO1: Understands the importance of Management and Principles
		CO2: Understands the functional areas of Planning, Organising, Directing, Decisions- making
12	<b>BUSINESS COMMUNICATION</b>	CO1: Understand the concept, process and importance of communication
		CO2: Understanding the new technologies in Business Communication
		CO3: Explain how to use various skills in Business Communication
		CO4: Helps to draft various business Letter
13	<b>PRACTICAL AUDITING</b>	CO1: Enable to understand the concept and Principles of Auditing, Audit process, Taxation and Auditing through computerized Process
		CO2: Enable to know about the preparation of Audit report and its importance
14	<b>COSTING</b>	CO1: Enable the students to understand the cost sheet and facing of prices for product
		CO2: Understand the direct and indirect expenses
		CO3: Understand the process Account's, managerial costing

15	<b>INCOME TAX</b>	CO1: Understand the various provisions of Income Tax Act
		CO2: Understand how to calculate the taxable income under various heads of income
		CO3: Understand about various slabs of income tax and calculation of tax liability
		CO4: Understand various tax authorities of india
16	<b>FINANCIAL MANAGEMENT</b>	CO1:Impart the knowledge of Financial Management the benefits of finance
		CO2: Enable the students to know the concept of investment, financing and working capital
17	<b>PORTFOLIO MANAGEMENT</b>	CO1: Enable the students to know the concept of portfolio management
		CO2: Enable them to understand the steps involved in portfolio development
18	<b>MANAGEMENT ACCOUNTING</b>	CO1: Enable the students to develop competence with their usage in managerial decision making and control
		CO2: Understands the various concepts of working capital
		CO3: Enables the students to get knowledge about various technics of management principles
19	<b>WORKING CAPITAL MANAGEMENT</b>	CO1: Enable the students to learn the working capital mechanism
		CO2 :Facilitate them to invest in capital assets
		CO3: Understands the cash receivables and inventory management
20	<b>CAPITAL MARKET</b>	CO1: Expose the students to the world of capital markets
		CO2: Enable the students to learn the working mechanism of stock exchanges.
		CO3 :Understands the regulatory framewoak of Indian markets.
21	<b>CORPORATE ACCOUNTING</b>	CO1: Enable the students to understands the features of shares and debentures
		CO2 : Enable to prepare final accounts of manufacturing companies
		CO3: Learn about the valuation of shares and goodwill
		CO3 :Helps to analyse the measurement of performance of companies
22	<b>BUSINESS MATHS 1&amp;2</b>	CO1:The students will be able tounderstand the concept of equations and mathematical expression.
		CO2: Analyse and demonstate manemataical skills to in mathematical intensive areas in business
23	<b>BUSINESS STATISTICS</b>	CO1: Helps the students to know the importance of statistical data.
		CO2: Helps to analyse time series .
		CO3: The students are able to know the need of statistcs in business.
24	<b>ADVANCED COSTING</b>	CO1: Helps the students to know about cost of service sector.
		CO2: Enable the students to know various cost elements.
		CO3:Enable the studens to know about process costing.
		CO4: Students aware of standard varience.

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>		
<b>Programme</b>	<b>B.Com</b>	
<b>Programme Outcomes</b>		
PO1: Students gain knowledge of various discipline of Commerce, Computer Applications ,Business, Accounting, Auditing, and Statistics.		
PO2: Students can independently start up their own Business.		
PO3: Students can get thorough knowledge of commerce and Computer Applications		
PO4:Create student employability and be competent enough to work in Accounting & IT Sectors.		
PO5: To take the valid Business decisions making with the help of computers and more sophisticated statistical tecchniques		
<b>Specific Programme</b>	<b>Computer Application</b>	
<b>Programme Specific Outcomes</b>		
PSO1: Knowledge of Commerce and its scope and importance in various areas		
PSO2:Knowledge of Commercial organization in India and their functions for societal development		
PSO3:Students will prove themselves in different professional exams like C.A. , C S, CMA, MPSC, UPSC. As well as other coerces		
PSO4: The students can get the knowledge, skills and attitudes during the end of the B.com (CA) degree course ,Commerce and Computer Applications.		
<b>Course Outcomes</b>		
<b>S.No</b>	<b>Subject Name &amp; Subject Code</b>	<b>Course Outcomes</b>
1	Financial Accounting (CPC1A)	CO1:Acquire conceptual knowledge of basis of accounting
		CO2:Identify events that need to be recorded in the accounting records
		CO3:Develop the skill recording financial transactions and preparation
		CO4:Describe the role of accounting information and its limitation
		CO5:Determine the useful life and value of the deprecaible assets
2	Information Technology (CPC1B)	CO1:Apply the knowledge of mathematics, science and computing in the core information technologies.
		CO2:Identify, design, and analyze complex computer systems and implement and interpret the results from those systems.
		CO3:Design, implement and evaluate a computer-based system, or process component, to meet the desired needs within the realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
		CO4:Select and apply current techniques, skills, and tools necessary for computing practice and integrate IT-based solutions into the user environment effectively.
		CO5:Function effectively as a team member or a leader to accomplish a common goal in a multidisciplinary team.



3	Business Economics (CDC1A)	CO1:It gives the solution to basic problem in business management
		CO2:It supply data for analysis and forecasting
		CO3:It provides tools for demand forecasting in business
		CO4: It increase management skill
		CO5:It helps the student to appear group ! exam and other competitive exams
4	Advanced Financial Accounting (CPC2A)	CO1: Identify and describe different types of inter-entity relationships based on relevant Accounting Standards.
		CO2:Discuss and solve accounting issues that arise from inter-entity relationships
		CO3:Demonstrate the ability to perform complex accounting techniques and methods as required by the relevant accounting standards
		CO5:Conduct practical research in the accounting discipline.
5	Indian Economy (CDC2A)	CO1:To know the various Economic conditions prevailing in india
		CO2:To understand the poverty level
		CO3:It enables to understand the budget
		CO4:It helps to findout the growth of industrial sector in india
		CO5:It enable to understand the land reform measures
6	Corporate Accounting (CPC3A)	CO1:This course aims to enlighten the students on the accounting procedures followed by the Companies.
		CO2:Student's skills about accounting standards will be developed.
		CO3:To make aware the students about the valuation of shares.
		CO4:To impart knowledge about Issue of shares, Profit Prior Incorporation
		CO5:To impart knowledge about Redumption of Preference shares and Debentures
7	Business Law (CPC3B)	CO1:Demonstrate an understanding of the legal environment of business
		CO2:Communicate effectively using standard business and legal terminology
		CO3:Demonstrate recognition of the requirements of the contract agreement
		CO4:To identify contract remedies
		CO5:Under the various provisions of company law
8	Computing Accounting (CPC31)	CO1: Tally To develop computer skills of recording financial transactions, preparation of annual accounts and reports using Tally.
		CO2: Financial Tally To apply the knowledge of quantitative tools & techniques in the interpretation of data for managerial decision – making
		CO3:Tally also calculates your tax with regard to what category your organization falls under.
		CO4: Tally will give a much needed boost to your career by enhancing your knowledge in Accounting, Inventory Management, and Taxation.
		CO5: Tally handles various types of taxes like VAT, Income Tax, Excise Tax, Customs and Service Tax, etc.

9	Object Oriented Programming with C++ (CPC32)	CO1: To Enable the students to know the programming in C++ language in general.
		CO2: To understand the concept of object Oriented programming and its implementation using C++ language.
		CO3: To train the students in programming environment.
10	Business Statistics (CDC3A)	CO1:Students will acquire knowledge of The laws of Probability and Baye's theorem.
		CO2: Students will acquire knowledge of Measures of Location , Dispersion, Correlation and Regression.
		CO3:Students will acquire knowledge of The Discrete and Continuous Probability Distributions.
11	Advanced Corporate Accounting (CPC4A)	CO1:This course aims to enlighten the students on the accounting procedures followed by the Companies.
		CO2:Student's skills about accounting standards will be developed.
		CO3:To make aware the students about the amalgamation, absorption and External Reconstruction
		CO4:To impart knowledge about holding company accounts of company.
		CO5:To impart knowledge about Banking and Insurance company accounts of company.
12	Principles of Management (CPC4B)	CO1:Under the concept related to business
		CO2:Demonstrate the roles,skills and functions of management
		CO3:Analyse effective application knowledge to diagnose and solve the problems
		CO4:To understand the complexities associate with HRM in the oranisation
		CO5:Evaluate approaches to addressing issue of diversity
13	E-Commerce (CPC4C)	CO1:Describe Internet trading relationships including Business to Consumer, Business-to-Business, Intra-organizational.
		CO2:Describe the infrastructure for E-commerce
		CO3:Describe the key features of Internet, Intranets and Extranets and explain how they relate to each other.
		CO4:Discuss legal issues and privacy in E-Commerce
14	Programme in Java (CPC41)	CO1: To enable the students to learn Java language and train them to write program in Java language in general.
		CO2: To understand the concept of object Oriented programming, JDK, Applet and its implementation
		CO3: To train the students in programming environment to create web page.

15	Elements of Operation Research (CDC4A)	CO1:Students will acquire knowledge in Solving Linear Programming Problems.
		CO2:Students will acquire knowledge in Sequencing the jobs to be carried out based on Cost Optimisation.
		CO3:Students will acquire knowledge in Solving assignment and transportation problems and Queuing Theory Models.
16	Financial Management (CPC5A)	CO1:Explain the concept of fundamental financial concept, especially time value of money
		CO2: Apply capital budgeting projects using traditional method
		CO3:Analyse the main ways of raising capital and thier respective advantages
		CO4: Integrate the concept and apply the financial concept
		CO5:To calculate ratio and do the capital budgeting
17	Practical Auditing (CPC5B)	CO1:To understand the Practical concepts related to Auditing
		CO2:Integrating the theory with Practical concepts
		CO3:To know the various electronic data processing related to Auditing
		CO4:To correlate the Accounting with Auditing
		CO5:Enable the students to understand the auditing concepts
18	Elements of Cost Accounting (CPC5C)	CO1:To keep the students conversant with the ever – enlarging frontiers of Cost Accounting knowledge.
19	VB & RDBMS (CVC51)	CO1:To Understand the Practical concepts related to form design
		CO2:To get the basic knowledge of form design
		CO3:To correlate how to design a form and get the report
		CO4:Enable the students to understand the concept of report and how to design
		CO5:To correlate basic knowledge of forms and related into database connectivity
20	Income Tax Law & Practice - I (CVC5A)	CO1: To Understand the various provisions of Income Tax Act
		CO2: To Understand how to calculate the taxable income under various heads of income
		CO3: To Understand how to calculate the taxable Total income
		CO3: To Understand about various slabs of income tax and calculation of tax liability

		CO4: To Understand various Powers & Duties of taxation authorities of india
21	Financial Services (CPC6C)	CO1:To develop the skills related to Financial Concepts
		CO2:To understand the Financial System of our Nation
		CO3:To know about the Mutual funds and their consequences
		CO4:To understand about the credit card and debit card usage
		CO5:Enable the students to understand about the various concepts related to Financial services
22	Human Resources Management (CPC6B)	CO1:Useful to the students to face the on-coming interviews
		CO2:Easily improve their management skills
		CO3.Easily understand the benefits of Training
		CO4:It helps to improve their career development
		CO5:It helps to handle the human resource for planning and development
23	Management Accounting (CPC6C)	CO1:Apply management accounting and its objectives in facilitating decision making
		CO2:Apply and analyse different types of activity - based management tools through the preparation of estimates
		CO3:Prepare analyses of various special decisions using relevant management techniques
		CO4:Calculate various accounting ratios report and relevant data
		CO5:Prepare master budget and demonstrate an understanding of the relationship between the components
24	Web Technology (CPC61)	CO1:To understand the basics of HTML,HTLML Tags
		CO2: To get the widened knowledge how to design the web
		CO3:Apply and analyse different types of HTML Table,Ordered list,Frame and HTML Page design
		CO4:To apply the concept of basic knowledge in HTML
		CO5:It helps to handle the how to design page in web and also widened knowledge of javascript,asp.net.

25	Income Tax Law & Practice - II (CVC6C)	CO1: To Understand the various provisions of Income Tax Act
		CO2: To Understand how to calculate the taxable income under various heads of income
		CO3: To Understand how to calculate the taxable Total income
		CO3: To Understand about various slabs of income tax and calculation of tax liability
		CO4: To Understand various Powers & Duties of taxation authorities of india

<b>Programme</b>		<b>B.Com</b>
<b>Programme Outcomes</b>		
PO1:To develop the conceptual and practical skills of the students in corporate secretaryship		
PO2:To help the studnets to understand the methods and processes of commerce and accountancy which related to corporate entities.		
<b>Specific Programme</b>		<b>Corporate Secretaryship</b>
<b>Programme Specific Outcomes</b>		
PSO1:The programme expose the students to the areas of commerce, accountancy, industry, institutional training and management of organisation .		
PSO2:It enable them to acquire theoritical and practical knowled through this programme.		
PSO3:The programme aims at maintaining academic excellence and equipping students to bridge the gap between theoretical and practical knowledge institutional training were arranged in leading industrial units every year.		
PSO4: To face the challenges of the business worid.learning is made realistic through case study, role-play,group discussions, workshops,guest lectures and seminars, organized by the department.		
PSO5:To promote research, the department has organized national and international seminar. Various articles were published by the members of the faculty in national and international level.		
<b>Course Outcomes</b>		
<b>S.No</b>	<b>Subject Name &amp; Subject Code</b>	<b>Course Outcomes</b>
1	FINANCIAL ACCOUNTING	CO1: This subject help the students to know the company management
		CO2: The students know how to analyse the financial position of the organisation.
		CO3:The students understand why the market value of the assets are decreased due to wear and tear.
		CO4:The students get enlighten about the procedure for collection of debt dues in different dates in a single payments
		CO5:This subject enable the students to prepare final accounts of the trading and non trading organisation
2	COMPANY LAW AND SECRETARIAL-I(CYA1B)	CO1:This subject enables the students to know about the formation of the company .
		CO2: The students understand the secretarial duties carried on by the company secretary in the organisation.
		CO3:The students get enlighten about the authority of the company to act according to the companies act.
		CO4:Through this paper how the company raising their capital through public offer
		CO5:This subject help the students to know about the formation of the corporate body.

3	MARKETING (CYB1B)	CO1:This subject create knowledge about market environment, market segmentation, market mix, and recent trends in market to promote , advertise and to sell the product.
		CO2:The promotional activities of the oranistion are get enlighten through this paper
		CO3:This subject help the student to understand the market environment and to maintain customer relationship.
		CO4:The tactics of the company in promotion of product or their brand get enlighten
		CO5:The students understand the decision -making process by using management information system.
4	ADVANCED FINANCIAL ACCOUNTING (CYA2A)	CO1:This subject enables the students to know about the accounting practice in different organisation
		CO2: The students learn how the head office maintain the branch accounts
		CO3:This subject help the students to learn the calculation of interest and insalment amount under hire purchase and instalment system to acquiring various assets.
		CO4:The students undestand the profit sharing ratio of partnetship firm.
		CO5:Through this paper the accounting treatment of dissolution of partnership firm has learned.
5	HUMAN RESOURCE MANAGEMENT (CYA2C)	CO1:This subject help the students to understand management the process in human resource planning .
		CO2:The students understand how to verify the current human resource policies and identify the need of improvement to become a professional human resource manager.
		CO3:The job requirement and training need of the employee are learned through this paper.
		CO4:This subject enlighten the students to know about remuneration, incentives, benefits provided by the organisation to their employees.
		CO5:The students acquired the knowledge in accessing internal environment of the organisation.
6	BUSINESS COMMUNICATION (CYB2B)	CO1:This subject enable the students to develope their writing and reporting skill in business communication
		CO2:Through this paper various types of business letter writing get practiced.
		CO3:To become a company secretary the knowledge of company correspondance. Are learned through this paper
		CO4:The role of computers in business correspondence are learned .
		CO5:The basic principles in drafting and framing the layout of the business letter has learned by the students.

7	CORPORATE ACCOUNTING -I (CYA3C)	CO1:This subject help the students to understand the practical maintenance of accounts in various companies both private and public along with accounting standanrd.
		CO3:The issue of shares and debentures are learned.
		CO3:Through this paper the students understand the situation of valuation of goodwill and shares
		CO4:The students learned how to alter the share capital and go for internal reconstruction and reduction of capital.
		CO5:The preparation of company final accounts are learned through this paper.
8	COMPANY LAW & SECRETARIAL PRACTICE-II (CYA3B)	CO1:This subject help the students to know the company management.
		CO2: It enable the student to know the practice of conducting meetings and procedures
		CO3:The students get awareness about the practice of accounts and audit
		CO4:It enlighten the student to know the procees of issuing debentures and dividends
		CO5:It enable the students to understand the winding up process.
9	STATISTICS-I (CYB3A)	CO1:It help the students to undestand the characteristics of data
		CO2:It enable the students to know the presentation of data
		CO3:It help the students to know the solution to the problems of the data set
		CO4:It help the studentds to understand the values of numerical data
		CO5: It enlighten the students to under stand the distribution of data .
10	CORPORATE ACCOUNTING-II (CYA4C)	CO1:Through this paper students gain the knowledge of various human resource accounting.
		CO2:From this unit students gain knowledge of different types of insurance viz, life,fire and marine insurance and their maintanace of accounts.
		CO3: Through this chapter students come to know about the prepartion of p& l , balance sheet and provision calculation of non performing assets of banking compainies.
		CO4: Students can learn how different companies can amalgate with each other and the way to absorb an existing compay also external reconstruction of companies.
		CO5: This topic will guide students how the companies will windingup the procedure followed in the process of liquidation by the liquidator.



11	BUSINESS MANAGEMENT (CYA4B)	CO1: This subject help the students to become the manager of the organisation by learning the controlling process
		CO2: It enable the student to access the enironmental conditions of organistion in future
		CO3: Through this subject the students come to know about the course of future action of the organisation by knowing how they are framing the plans and policies .
		CO4:It enlighten the student to know the training procees of the organisation.
		CO5: Through this subject the students get the views of the functions of departments in the organisation.
12	STATISTICS-II (CYB4D)	CO1: The students understand the relationship between two quantitive variables in correlation and regression analysis.
		CO2: The students understand the fluctuation of security price during a specified period of time by using time series analysis.
		CO3: The expression of base value of the economic data reflection on price of product of large data set the index number are used to the students
		CO4: Interpolation and extrapolation helps the students to understand the known value and unknown value of the points.
		CO5: The statistical quality control create awareness among the students to maintain the quality of product and services.
13	MANAGEMENT ACCOUNTING (CYA5E)	CO1: Through this paper the students gain the knowledge of various management related accounts
		CO2: This paper help the student to understand the process of accounting data to provide useful infromation to the management.
		CO3: The method of preparation of financial statements are learned by the students
		CO4: Through this paper the analtical skill of the students are developed by knowing the quantitatie methods like ratio analysis.
		CO5: It enable the students to understand the process of decision making analysis
14	SECURITIES LAWS AND MARKET OPERATIONS (CYA5B)	CO1: The regulatory system of securities and commodity market operation are learned by the student.
		CO2: This subject create the awareness of primary and secondary market operation.
		CO3: The ecosystem of the capital market operation has learned through this paper
		CO4: The access to overseas capital market operation of small and medium sized firm are get enlightened through this paper
		CO5: The operational knowledge of opening the demat account and trading of shares and securities in elctronic formate are enlighten

15	INCOME TAX LAW AND PRACTICE-I (CYA5C)	CO1: The students understand why the financial charge levied by the government on the general public.
		CO2: The students get enlighten about the tax rates of individual assessee.
		CO3: This subject helps the student to understand the concept of direct tax.
		CO4: This subject enlighten the students to tax planning
		CO5: Through this paper the students can become the tax consultant.
16	COMMERCIAL LAW (CYA5D)	CO1: The students understand the concept of business law and its sources
		CO2: The students can get the knowledge about the structure and the formation of contracts.
		CO3: The students learned the strategy of contract of indemnity and guarantee to protect against a loss
		CO4: The relationship between the person to the contact of agency has enlighten through this paper.
		CO5: The students get awarness about the legal rights on the commodity as per the law of sale of goods.
17	ENTREPRENEURIAL DEVELOPMENT (CYE5A)	CO1: Through this course the students understand the importance of entrepreneurship to create wealth and to improve standards of living of the people by creating employment opportunity.
		CO2: The ambitious students get the way to become entrepreneur by knowing the role of entrepreneurial development agencies.
		CO3: The role of govermental organisation in promoting the entrepreneurs through their programm has get enlighten.
		CO4: The techniques of business idea generation are created through their preparation of model project report.
		CO5: The students understand the role of entrepreneur in economic growth of the nation and they also understand the need of women entrepreneurs to eradicate poverty.
18	COST ACCOUNTING (CYA6A)	CO1: In this course the students understand the steps of production to minimise the expenses of the organisation..
		CO2: The four elements of cost accounting variables and preparation of cost sheet are learned through this subject.
		CO3: The perpetual system of costs of goods sold to customers are get enlighten.
		CO4: The techniques of cost accounting methods are ascertained to know the cost involved in different production process.
		CO5: The organisation strategy for planing and decision making are possible to the students through this course by understanding the treatment of labour cost control.

19	INDUSTRIAL LAWS (CYA6E)	CO1: The students get awareness about the laws governing industrial enterprises.
		CO2: The industrial relationship between employers and employees are get enlighten.
		CO3: The issues of disagreement between the employer and the employee are understand by the students through this paper.
		CO4: The national policies on safety, health and welfare of the workmen get enlighten
		CO5: The students understand how to claim compensation to workmen and their families from employers incase of industrial accidents..
20	INCOME TAX LAW AND PRACTICE-II (CYA6F)	CO1: Through this paper students gain the knowledge of tax on long term and short term capital gain from listed securities .
		CO2: The students know the exemptions under income from other sources.
		CO3: The students get awareness about the filing of joint tax return under aggregate income
		CO4: The students get enlighten about how the tax payers setoff the losses against income in the same year.
		CO5: The base tax slab changes as per the changing income tax guidelines are get enlighten.
21	GOODS AND SERVICE TAX & CUSTOMS LAW (CYA6G)	CO1: The students get awareness about the indirect tax regime
		CO2: Through this paper the students understand the process of shifting the tax burden to final consumer
		CO3: The students understand the deficiencies in the earlier indirect tax regime.
		CO4: The legislative frame work for levying gst tax in india has enlighten
		CO5: The students understand the tax credit point of the supply chain process of the organisation.
22	INSTITUTIONAL TRAINING (CYE6Q)	CO1: This programme enable the students to fill the gap between the knowledge of theory and practice.
		CO2: In this training programme the students get guidance from the training officer of the institution and faculty member of the department.
		CO3: The students get enlighten with the office management practice of the organisation.
		CO4: During this training programme the secretarial practice of the organisations has learned.
		CO5: Interview facing skills of the students has developed through viva-voce examination

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>	
<b>Programme</b>	<b>BBA</b>
<b>Programme Outcomes</b>	
PO1: To provide adequate basic understanding about management education among the students.	
PO2: To prepare student to exploit opportunities being newly created in the management profession.	
PO3: To train the students in communication skills effectively.	
PO4: To develop appropriate skills in the students so as to make them competent and provide themselves self employment.	
PO5: To include entrepreneurial skills.	
PO6: To recognize and solve business problem in an ethical manner.	
PO7: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	
PO8: Individual and team work: Students can function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	
PO9: To prepare professional quality business documents and deliver a professional quality business presentation and to develop a global perspective towards various legal issues	
PO10: To understand finance and other core business content and new venture development	
<b>Specific Programme</b>	<b>Business Administration</b>
<b>Programme Specific Outcomes</b>	
PSO1: Recognize the need to adapt business practices to the opportunities and challenges of an evolving global environment	
PSO2: Recognize the need to adapt business practices to the opportunities and challenges of an evolving global environment	
PSO3: Identify, evaluate, analyze, interpret and apply information to address problems and make reasoned decisions in a business context	
PSO4: Students have choices to persue professional course	
PSO5: Demonstrate the understanding and ability to apply professional standards, theory, and research to address business problems within specific concentrations	
PSO6: Giving confidence and theoritical support for persuing Higher education or to become entrepreneur.	
PSO7: Students will aquires problem solving skills within various disciplines of management ,business ,accounting, finance and law.	
PSO8: Identify business opportunities and become an entrepreneur.	
PSO9: Giving confidence and theoritical support for persuing Higher education or to become entrepreneur.	
PSO10: Communicate in a business context in a clear, concise, coherent and professional manner.	

Course Outcomes		
S.No	Subject Name & Subject Code	Course Outcomes
1	<b>Financial Accounting (MAM1A)</b>	CO1: To accurately prepare an organisations final accounts for a specific
		CO2: To provide a reliable set of data with which to prepare financial report for analysis purposes (for lenders, investors, owners).
		CO3: Demonstrate the role of accounting in business in economic world.
		CO4: Explain the principles of accounting and book keeping
		CO5: Apply accounting rules in determining financial results and preparation of financial statement
2	<b>Principles of Management (MAM1D)</b>	CO1: Assume the roles and responsibilities associated with managerial functions.
		CO2: Identify the key contributors and their contributions in the development of management thought.
		CO3: Compare various approaches in management for problem solving.
		CO4: Demonstrate an understanding of effective management principles as outlined in selected text learning objectives.
		CO5: Enabling the importance of planning and decision making techniques to apply the same.
3	<b>Managerial Economics (MBM1D)</b>	CO1: To understand the basic elements of managerial economics aspects , nature and decision making
		CO2: To understand the law of demand , supply forecasting , consumer
		CO3: To understand theories of profit , profit maximization and analysis of Breack Even Point
		CO4: To know law of diminishing proportion , product function , Economies of scale
		CO5: To understand Pricing policy under Perfect Competition Monopoly
4	<b>Management Accounting(MAM2E)</b>	CO1: Able to explain accounting statements and can analyze the financial statement with ratio and cash flow analysis.
		CO2: Apply various cost control techniques for profit Maximization.
		CO3: Able to explain changes in financial position of corporate entity and solve complex managerial problems.
		CO4: Understanding the concept of cost accounting, cost concepts, and cost and profit centers
		CO5: Understanding the concept of budgets and using the tools as effective control of funds, materials and others.
5	<b>Business Communication (MAM2C)</b>	CO1: Relate to the various concepts and processes of managerial
		CO2: Identify the gap between current level of communication skills and the expected industry standards.
		CO3: Develop essential communication skills required for managing a business.
		CO4: Applying the concept for career advancement through presenting oneself in interviews and group discussion
		CO5: Applying the concept in reading, listening, and presentation skills and making an effective communication

6	<b>International Trade (MBM2B)</b>	CO1:Interrelate the Trade Theory with the Economic Development.
		CO2:Follow the liberalization of the world trade.
		CO3:Analyze the Economic Integration Theory.
		CO4:Compare the internal and external equilibrium within the context of foreign trade and national income.
		CO5:Analyze the foreign trade of the least developed and the developing countries.
7	<b>Financial Management (MAM3E)</b>	CO1: Able to explain accounting statements and can analyse the financial statement with the help of ratio analysis
		CO2: Apply the concept of time value of money for any investment
		CO3: Assess the capital structure of a firm and state its impact on firm's profitability.
		CO4: Understanding the working of cost of capital.
		CO5: Analysing the working capital and its problems
8	<b>Marketing Management (MAM3J)</b>	CO1: After completion of this unit the students will gain knowledge about Product Lifecycle, Pricing Methods and Advertising.
		CO2: To enable the students to understand about Buyer Behaviour.
		CO3: To highlight the various marketing functions and to impart necessary skills which help the students to choose a career in the field of marketing.
		CO4: To make the students to gain knowledge about Product, Pricing, Personal Selling and Advertising
		CO5: To provide basic knowledge about the latest trends in marketing.
9	<b>Organisational Behaviour (MAM3G)</b>	CO1:to analyze and compare different models used to explain individual behaviour related to motivation and rewards
		CO2:Group dynamics and demonstrate skills required for working in groups (team building)
		CO3:To identify the various leadership styles and the role of leaders in a decision making process.
		CO4:Organizational culture and describe its dimensions and to examine various organizational designs
		CO5:To discuss the implementation of organizational change.
10	<b>Computer Application in Business (MAM3H)</b>	CO1: Develops the understanding of database management system and abilities to use DBMS packages.
		CO2: Understand the applications of power point presentation and types of slides.
		CO3: Have the knowledge of MS-Access as a database tool to manage the organization information
11	<b>Business Statistics (MCM3C)</b>	CO1: To familiarizes the concept of statistics
		CO2: To provide practical exposure on calculation of measures of average
		CO3: To provide practical exposure on calculation of trend analysis
		CO4: To provide practical exposure on calculation of measures of
		CO5: To introduce the students about the concept of provability

12	<b>Financial Services (MAM4N)</b>	CO1: To give an idea about fundamentals of financial services and players in financial sectors
		CO2: To make them understand about different types of insurance and IRDA Act.
		CO3: To give an idea about fundamentals of financial services and players in financial sectors
		CO4: what do you understand by leasing and hire purchases
		CO5: To provide knowledge about leasing and hire purchase concepts
13	<b>Human resource Management (MAM4Z)</b>	CO1: Demonstrate an understanding of Human Resources and varied applications.
		CO2: Ability to implement Human Resource Planning.
		CO3: Explore Recruitment methods and arrive at best fits.
		CO4: Analyzing the training needs and effectively use an appropriate technique.
		CO5: Explore and identify appraisal method and audit for continuous improvement
14	<b>Business Regulatory Frameworks (MAM4K)</b>	CO1: Understanding the fundamental aspects of Indian contract Act and Sale of Goods Act.
		CO2: Remember the fundamental aspects of Negotiable Instruments Act
		CO3: Understanding the fundamental aspects of Factories Act, Payment of Wages Act, Payment of Bonus Act
		CO4: Knowledge of the fundamental aspects of Companies Act.
15	<b>Management Information system (MAM4P)</b>	CO1: Understand the leadership role of Management Information Systems in achieving business competitive advantage through informed decision-making.
		CO2: Analyze and synthesize business information needs to facilitate evaluation of strategic alternatives.
		CO3: Apply Management Information Systems knowledge and skills learned to facilitate the acquisition, development, deployment, and management of information systems
		CO4: Effectively communicate strategic alternatives to facilitate decision-making.
		CO5: Illustrate the importance of information systems in society.
16	<b>Operation Research (MBM4D)</b>	CO1: To help the students to understand the various techniques if solving problems
		CO2: To Understand the foundation of reserach
17	<b>Research Methodology (MAM5B)</b>	CO1: Demonstrate an understanding of research methodology
		CO2: Enabling the understanding of research design and scaling methods
		CO3: Illustrating about various types of data and methods for collecting data
		CO4: Understanding and application of various methods of data analysis
		CO5: Enabling to draft research report.

18	<b>Operation Management (MAM5C)</b>	CO1: Demonstrate an understanding of importance of operations management and difference between operations and production
		CO2: Illustrating various types of industries and various methods used in production.
		CO3: Enabling to understand various methods of materials management.
		CO4: Understanding of production analysis and quality control process.
		CO5: Demonstrate an understanding of types of service industry and its operations
19	<b>Materials Management (MAM5W)</b>	CO1:Identifying the scope for integrating materials management function
		CO2:Integrate the organization wide materials requirement to develop an overall plan (MRP)
		CO3:Identify, study, compare, and evaluate alternatives, select and relate with a good supplier
		CO4:Apply various purchasing method and inventory controlling techniques into practice
		CO5:Analyzing the materials in storage, handling, packaging, shipping & distributing
20	<b>ENTREPRENEURSHIP DEVELOPMENT (MEM5B)</b>	CO1: Student should be able to define who is an Entrepreneur and what his or her characteristic features to become an Entrepreneur.
		CO2: Students should be able to understand the concept of Business environment and the various factors influencing it, Government and its role in encouraging and supporting
		CO3: Entrepreneurship through various services including EDP training programs.
		CO4: Students are expected to get the capabilities to select Products, doing a pre-feasibility study, and prepare a feasibility report and evaluate it.
		CO5: Students should be able to explain the various issues involved in starting a venture, apply the growth strategies and scaling up the venture.
21	<b>Advertising Mgt &amp; Sales Promotion (MAM5A)</b>	CO1:Examine the importance of market segmentation
		CO2:Position and action objectives to the development of an advertising and promotion program
		CO3:Develop creative strategies for advertising.
		CO4:Plan media strategy, scheduling,
		CO5: Assess strategic uses of sales promotions.
22	<b>Business Environment (MAM6X)</b>	CO1:Analyse the environment of a business from legal and regulatory, macroeconomic ,cultural, political and natural perspectives.
		CO2: Critically assess the business environment of an organization using selected strategic tools.
		CO3: Construct and present scenarios that synthesize business environment information
		CO4: Conduct an in-depth analysis of specific component of the business environment
		CO5: Communicate effectively in oral and written form using the concepts ,logic and rhetorical conventions of the subject.



23	<b>Services Marketing (MAM6Y)</b>	CO1: Understanding the principles of services marketing, outlined in service marketing components and classification
		CO2: Enabling the importance of service marketing system buyer behavior and market segmentation.
		CO3: Illustrating SERVQUAL for developing Service Quality.
		CO4: Analyzing sectoral perspective to enhancing different service sector marketing knowledge.
		CO5: Understanding the Financial and Educational services to frame the marketing strategies.
24	<b>Business Taxation (MAM6K)</b>	CO1: Understanding the concept of Indirect taxes, the revenue generated by goods and services for the development of India
		CO2: Exhibit sophisticated knowledge related to tax accounting rules and regulations.
		CO3: Identify, define, and resolve tax issues through their understanding, knowledge and application.
		CO4: Explain different types of incomes and their taxability and expenses and their Deductibility
25	<b>Customer Relationship Management (MEM6A)</b>	CO1: The ideas behind customer equity and its components – brand equity, value equity and relationship equity
		CO2: Economics of CRM: Customer Life Time Value, Customer Life Cycle Analysis
		CO3: The costs of customers and costs of serving customers in the different channels
		CO4: Dealing with unprofitable customers and recovering from crises.
		CO5: Identification and Selection of customers (for both consumer and business markets)
26	<b>Group Project (MAM6Q)</b>	CO1: Understanding the concept the projects, applying the various concepts learned in the previous chapters and preparing a report based on the project undergone
		CO2: Demonstrate knowledge of contemporary issues in their chosen field of research.
		CO3: Demonstrate an ability to present and defend their research work to a panel of experts.

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>	
<b>Programme</b>	<b>BCA</b>
<b>Programme Outcomes</b>	
<b>PO1.</b> Understand and apply mathematical foundation, computing and domain knowledge for the conceptualization of computing models from defined problems.	
<b>PO2.</b> Ability to identify, critically analyze and formulate complex computing problems using fundamentals of computer science and application domains.	
<b>PO3.</b> An ability to design, implement, and evaluate a computational system to meet desired needs within realistic constraints.	
<b>PO4.</b> Ability to devise and conduct experiments, interpret data and provide well informed conclusions.	
<b>PO5.</b> Ability to select modern computing tools, skills and techniques necessary for innovative software solutions	
<b>PO6.</b> Ability to apply and commit professional ethics and cyber regulations in a global economic environment.	
<b>PO7.</b> Recognize the need for and develop the ability to engage in continuous learning as a Computing professional.	
<b>PO8.</b> Ability to understand, management and computing principles with computing knowledge to manage projects in multidisciplinary environments.	
<b>PO9.</b> Developing effective communication skills and ability to work in teams by strengthening group dynamics	
<b>PO10.</b> Ability to recognize economical, environmental, social, health, legal, ethical issues involved in the use of computer technology and other consequential responsibilities relevant to professional practice.	
<b>Specific Programme</b>	<b>COMPUTER APPLICATIONS</b>
<b>Programme Specific Outcomes</b>	
<b>PSO1.</b> Ability to pursue careers in IT industry/ consultancy/ research and development, teaching and allied areas related to computer science.	
<b>PSO2.</b> Comprehend, explore and design computer applications in the areas allied to Algorithms, System Software, Multimedia, Networking, Web Design and Mobile Computing.	
<b>PSO3.</b> Apply modern computing tools, skills and techniques necessary for innovative software solutions.	

<b>Course Outcomes</b>		
<b>S.No</b>	<b>Subject Name &amp; Subject Code</b>	<b>Course Outcomes</b>
<b>1</b>	<b>MATHS-1 &amp; SBAMM</b>	<b>CO1:</b> Students gain knowledge about basic concepts of Algebra, Theory of Equations, Matrices, Trigonometry and Calculus.
<b>2</b>	<b>DIGITAL LOGIC FUNDAMENTALS &amp; SAUIA</b>	<b>CO1:</b> Students will understand what are different types of number systems and how these are used in computer. Concepts of different types of codes are also discussed.
		<b>CO2:</b> Students will be taught the concept Boolean functions and canonical forms and the concept of Boolean algebra and K Maps and how they are used in simplification of Boolean expressions
		<b>CO3:</b> Concept of gates, combinational circuit designing and implementation; Number of combinational circuits such as Adder, Subtractor, multiplexer etc. are discussed
<b>3</b>	<b>MATHS-2 &amp; SBAMN</b>	<b>CO1:</b> Students gain knowledge about basic concepts of Differential Equations, Laplace Transforms, Vector Analysis and Calculus
<b>4</b>	<b>PROGRAMMING IN C &amp; SAE1A</b>	<b>CO1:</b> To Understand the fundamentals of C language and acquire skills in programming in C
		<b>CO2:</b> Interpret the fundamental C syntax and semantics and be fluent in the use of C control flow statements.
		<b>CO3:</b> student will be able to code, compile and test C programs.
<b>5</b>	<b>PROGRAMMING IN C++ AND DATA STRUCTURES &amp; SAZ3A</b>	<b>CO1:</b> To Understand the principles of C++ and acquire skills in programming in C++
		<b>CO2:</b> To develop the emerging applications of relevant field using C++
		<b>CO3:</b> Interpret the fundamental C++ syntax and semantics and be fluent in the use of C control flow statements.
		<b>CO4:</b> Students will be able to develop OOPS based Standalone applications
		<b>CO5:</b> Choose the appropriate data structure for modeling a given problem using C++ features
<b>6</b>	<b>MICROPROCESSOR &amp; ITS APPLICATIONS &amp; SAZ3B</b>	<b>CO1:</b> Describe the micro processor with its internal architecture and its operation.
		<b>CO2:</b> Demonstrate the ability to program a microprocessor in assembly language.
		<b>CO3:</b> Apply knowledge and demonstrate programming proficiency using the various addressing modes and data transfer instructions of the target microprocessor and microcontroller.

7	<b>NUMERICAL &amp; STATISTICAL METHODS &amp; SAZ3C</b>	<b>CO1:</b> Concept of Computer Arithmetic, Error in number Representation, Iterative Methods.
		<b>CO2:</b> Concepts of the Solution of Simultaneous Linear Equations and Ordinary Differential Equations.
		<b>CO3:</b> Knowledge about the Numerical Differentiation and Integration, Gaussian Quadrature.
		<b>CO4:</b> To provide the foundation of statistical analysis used in varied applications
		<b>CO5:</b> Concept of Sampling methods, Tests of significance and testing of hypothesis.
8	<b>FINANCIAL ACCOUNTING &amp; SBZ3C</b>	<b>CO1:</b> Acquire conceptual knowledge of basics of accounting
		<b>CO2:</b> Identify events that need to be recorded in the accounting records
		<b>CO3:</b> Equip with the knowledge of accounting process and preparation of final accounts
		<b>CO4:</b> Identify and analyze the reasons for the difference between cash book and pass book balances
9	<b>PROGRAMMING IN JAVA &amp; SAZ4A</b>	<b>CO1:</b> Understand the basic principles of creating Java applications with graphical user interface (GUI).applications and Applets.
		<b>CO2:</b> Students will be able to develop Java Standalone applications and applet.
		<b>CO3:</b> Choose the appropriate data structure for modeling a given problem.
10	<b>COMPUTER GRAPHICS &amp; SAZ4C</b>	<b>CO1:</b> Students are taught the concept of Computer Graphics, Display Devices, Lookup Table.
		<b>CO2:</b> Students will familiarize about Point-Plotting Techniques, DDA, Bresenham's Line Drawing Algorithm, Bresenham's Circle Drawing Algorithm.
		<b>CO3:</b> Students will Understand Two-Dimensional Graphics Transformation, Graphical Input.
		<b>CO4:</b> Students will Understand the concept of Two-Dimensional Viewing, Clipping, Three-Dimensional Graphics.
11	<b>OPERATING SYSTEMS &amp; SAZ4B</b>	<b>CO1:</b> Understand the structure and functions of Operating System <b>CO2:</b> Compare the performance of Scheduling Algorithms
		<b>CO3:</b> Understand System calls, Schedulers, Memory management systems, Virtual Memory and Paging systems.
		<b>CO4:</b> Define, restate, discuss, and explain the policies for scheduling, deadlocks, memory management, synchronization, system calls, and file systems

12	<b>COST AND MANAGEMENT ACCOUNTING &amp; SBZ4A</b>	<b>CO1</b> : The students can easily understand the concepts and elements of cost accounting
		<b>CO2</b> : Preparation of cost sheet, material issues and store control
		<b>CO3</b> : Preparation of financial statement analysis
		<b>CO4</b> : Classification of ratio analysis
		<b>CO5</b> : Computation of fund flow and cash flow analysis,Preparation of marginal costing .
13	<b>DATABASE MANAGEMENT SYSTEMS &amp; SAZ5A</b>	<b>CO1:</b> Describe basic concepts of database system
		<b>CO2:</b> Design a Data model and Schemas in DBMS
		<b>CO3:</b> Competent in use of SQL
		<b>CO4:</b> Analyze functional dependencies for designing robust Database
14	<b>SOFTWARE ENGINEERING &amp; SAZ5B</b>	<b>CO1:</b> Knowledge of basic SW engineering methods and practices, and their appropriate application.
		<b>CO2:</b> A general understanding of software process models such as the waterfall and evolutionary models.
		<b>CO3:</b> Understanding of software requirements and the SRS documents.
		<b>CO4:</b> Understanding of the role of project management including planning, scheduling, risk management, etc.
		<b>CO5:</b> Understanding of approaches to verification and validation including static analysis, and reviews.
		<b>CO6:</b> Understanding of software testing approaches such as unit testing and integration testing.
		<b>CO7:</b> Understanding on quality control and how to ensure good quality software.
15	<b>RESOURCE MANAGEMENT TECHNIQUES &amp; SAZ5C</b>	<b>CO1.</b> Analyze any real life system with limited constraints and depict it in a model form.
		<b>CO2:</b> Understand variety of problems such as assignment, transportation, travelling salesman etc.
		<b>CO3:</b> Solve the problems mentioned using linear programming approach
16	<b>VISUAL PROGRAMMING &amp; SEZ5A</b>	<b>CO1:</b> Understand Visual Basic applications
		<b>CO2:</b> Understand the concept of data-driven program execution flow control in Visual Basic programming.
		<b>CO3:</b> Understand loops to do repetition & controls

17	<b>WEB TECHNOLOGY &amp; SAZ6A</b>	<b>CO1:</b> Understand the general concepts of VB Script and Java Script, scripting languages for the development of Internet websites.
		<b>CO2:</b> Learn the relationship between the client side and the server side scripts.
18	<b>DATA COMMUNICATION AND NETWORKING &amp; SAZ6B</b>	<b>CO3:</b> Understand .NET framework and develop applications for web development using VB.NET
		<b>CO1:</b> Analyze different network models
		<b>CO2:</b> Describe, analyze and compare a number of data link, network and transport layer
19	<b>SOFTWARE TESTING &amp; SAZ6C</b>	<b>CO3:</b> Analysing key networking protocols and their hierarchical relationship in the conceptual model like TCP/IP and OSI
		<b>CO1:</b> Have an ability to apply software testing knowledge and engineering methods.
		<b>CO2:</b> Have an ability understand and identify various software testing problems, and solve these problems by designing and selecting software test models, criteria, strategies, and methods.
20	<b>OBJECT ORIENTED ANALYSIS AND DESIGN &amp; SEZ6C</b>	<b>CO3:</b> Have basic understanding and knowledge of contemporary issues in software testing, such as component-based software testing problems
		<b>CO1:</b> Become familiar with the Unified modelling Language.
		<b>CO2:</b> Understand the object-oriented approach to analysing and designing systems and software solutions. Employ the Unified modelling Language notations to create effective and efficient system designs
		<b>CO3:</b> Understand the difference between writing programs for the software and doing analysis and design.
21	<b>MULTIMEDIA SYSTEMS &amp; SEZ6D</b>	<b>CO4:</b> Problem formulation and decomposition (analysis) and solution building (design) will be covered.
		<b>CO1:</b> Students will familiarize about Basic concept of Multimedia, Multimedia Software tools, Multimedia Authoring.
		<b>CO2:</b> They will grasp the Knowledge about the Images, Videos, Analog Video Standards.
		<b>CO3:</b> Students will familiarize about Digital Audio, Quantization and Transmission of Audio.
		<b>CO4:</b> They will exacerbate their ideas by adding knowledge of Compression Techniques, Image and Video Compression Techniques.

22	<b>DISTRIBUTED COMPUTING &amp; SEZ6G</b>	<b>CO1:</b> The differences among: concurrent, networked, distributed, and mobile.
		<b>CO2:</b> Resource allocation and deadlock detection and avoidance techniques.
		<b>CO3:</b> Remote procedure calls (RPC).
		<b>CO4:</b> IPC mechanisms in distributed systems.
		<b>CO5:</b> Improve the performance and reliability of distributed programs.
23	<b>PROBLEM SOLVING USING PYTHON &amp; SE21A</b>	<b>CO1:</b> To acquire programming skills in core Python.
		<b>CO2:</b> To acquire Object Oriented Skills in Python
		<b>CO3:</b> Use functions and represent Compound data using Lists, Tuples and Dictionaries
		<b>CO4:</b> Implementing Conditionals and Loops in Python Programs
		<b>CO5:</b> Read and write data from & to files in Python
24	<b>MATHEMATICS - I &amp; SM3AA</b>	<b>CO1:</b> Basic ideas on Theory Of Equations, Matrices and Theory of Numbers.
		<b>CO2:</b> Knowledge to solve theoretical and applied problems.

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>		
<b>Programme</b>		<b>B.SC</b>
<b>Programme Outcomes</b>		
PO1: Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.		
PO2: Acquired the skills in handling scientific instruments, planning and performing in laboratory experiments		
PO3: The skills of observations and drawing logical inferences from the scientific experiments. Analyzed the given scientific data critically and systematically and the ability to draw the objective conclusions.		
PO4: Realized how developments in any science subject helps in the development of other science subjects and vice-versa and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments.		
PO5: Developed scientific outlook not only with respect to science subjects but also in all aspects related to life.		
PO6: Imbided ethical, moral and social values in personal and social life leading to highly cultured and civilized personality.		
PO7: Developed various communication skills such as reading, listening, speaking, etc., which we will help in expressing ideas and views clearly and effectively.		
<b>Specific Programme</b>		<b>COMPUTER SCIENCE</b>
<b>Programme Specific Outcomes</b>		
PSO1: Understand the basic principles and concepts of Computer Science and integrate the knowledge gained in Computer Science domain with practical needs of the society and be an ethically and socially responsible Computer Science Professional		
PSO2: Explore emerging technologies in diverse areas of Computer Science and inculcate skills for successful career, entrepreneurship and higher studies.		
PSO3: Apply the concepts of Computer and practices via emerging technologies and Software development tools		
<b>Course Outcomes</b>		
<b>S.No</b>	<b>Subject Name &amp; Subject Code</b>	<b>Course Outcomes</b>
<b>1</b>	MATHS-1 & SBAMM	CO1: Students gain knowledge about basic concepts of Algebra, Theory of Equations, Matrices, Trigonometry and Calculus.
<b>2</b>	PROGRAMMING IN C & SAE1A	CO1: To Understand the principles of C and acquire skills in programming in C CO2: To develop the emerging applications of relevant field using C CO3: Interpret the fundamental C syntax and semantics and
<b>3</b>	MATHS-2 & SBAMN	CO1: Students gain knowledge about basic concepts of Differential Equations, Laplace Transforms, Vector Analysis and Calculus



4	DIGITAL ELECTRONICS AND MICROPROCESSORS & SAE2B	CO1: Describe the microstructure of a processor CO2: Demonstrate the ability to program a microprocessor in assembly language.
5	MATHS-3 & SBAOC	CO1: The laws of Probability and Baye's theorem. CO2: Measures of Location, Dispersion, Correlation and Regression CO3: The Discrete and Continuous Probability Distributions.
6	PROGRAMMING IN C++ AND DATA STRUCTURES	CO1: To Understand the principles of C++ and acquire skills in programming in C++ CO2: To develop the emerging applications of relevant field using C++ CO3: Interpret the fundamental C++ syntax and semantics and be fluent in the use of C control flow statements. CO4: Students will be able to develop OOPS based Standalone applications CO5: Choose the appropriate data structure for modeling a given problem using C++ features
7	MATHS-4 & SBAOD	CO1: To provide the foundation of statistical analysis used in varied applications. CO2: Of Sampling methods, Tests of significance and testing of hypothesis.
8	PROGRAMMING IN JAVA & SAE4A	CO1: Students will be able to develop Java Standalone applications and Applets. CO2: Choose the appropriate data structure for modeling a given problem.
9	OPERATING SYSTEMS & SAE5A	CO1: Understand the structure and functions of Operating System CO2: Compare the performance of Scheduling Algorithms CO3: Analyze resource management techniques
10	DATABASE MANAGEMENT SYSTEMS & SAE5B	CO1: Describe basic concepts of database system CO2: Design a Data model and Schemas in DBMS CO3: Competent in use of SQL CO4: Analyze functional dependencies for designing robust Database
11	COMPUTER ARCHITECTURE AND ORGANIZATION & SAE5C	CO1: Describe the major components of a computer system and state their function and purpose CO2: Classify and describe the operation DMA and peripheral Interfaces.
12	VISUAL PROGRAMMING & SEE5A	CO1: Understand Visual Basic applications CO2: Understand the concept of data-driven program execution flow control in Visual Basic programming. CO3: Understand loops to do repetition & controls

13	DATA COMMUNICATION AND NETWORKING & SAE6A	CO1: Analyze different network models CO2: Describe, analyze and compare a number of data link, network and transport layer CO3: Analysing key networking protocols and their hierarchical relationship in the conceptual model like TCP/IP and OSI
14	WEB TECHNOLOGY & SAE6B	CO1: Understand the general concepts of PHP scripting language for the development of Internet websites. CO2: Understand the basic functions of MySQL database program and XML concepts CO3: Learn the relationship between the client side and the server side scripts.
15	OBJECT ORIENTED ANALYSIS AND DESIGN & SEE6C	CO1: Become familiar with the Unified modelling Language. CO2: Understand the object-oriented approach to analysing and designing systems and software solutions. Employ the Unified modelling Language notations to create effective and efficient system designs. CO3: Understand the difference between writing programs for the software and doing analysis and design. CO4: Problem formulation and decomposition (analysis) and solution building (design) will be covered.
16	SOFTWARE ENGINEERING & SEE6G	CO1: The students should be able to specify software requirements, design the software using tools CO2: To write test cases using different testing techniques.
17	MATHS - I & SM3AA	CO1: Basic ideas on Theory Of Equations, Matrices and Theory of Numbers. CO2: Knowledge to solve theoretical and applied problems.
18	PROBLEM SOLVING USING PYTHON & SE21A	CO1: To acquire programming skills in core Python. CO2: To acquire Object Oriented Skills in Python CO3: Use functions and represent Compound data using Lists, Tuples and Dictionaries CO4: Implementing Conditionals and Loops in Python Programs CO5: Read and write data from & to files in Python

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>		
<b>Programme</b>		<b>M.SC</b>
<b>Programme Outcomes</b>		
PO1. Scientific knowledge: Apply the knowledge of mathematics, science, and computing to the solution of complex scientific problems.		
PO2. Problem analysis: Identify, formulate, research literature, and analyze complex scientific problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and applied sciences.		
PO3. Design/development of solutions: Design solutions for complex problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.		
PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.		
PO5. Modern tools usage: Create, select, and apply appropriate techniques, resources, and modern computing and IT tools including prediction and modeling to complex scientific activities with an understanding of the limitations.		
<b>Specific Programme</b>		<b>COMPUTER SCIENCE</b>
<b>Programme Specific Outcomes</b>		
PSO1: Be technology-oriented with the knowledge and ability to develop creative solutions, and better understand the effects of future developments of computer systems and technology on people and society.		
PSO2: Get some development experience within a specific field of Computer Science, through project work.		
PSO3: Get ability to apply knowledge of Computer Science to the real-world issues.		
PSO4: Be familiar with current research within various fields of Computer Science.		
PSO5: Use creativity, critical thinking, analysis and research skill.		
<b>Course Outcomes</b>		
<b>S.No</b>	<b>Subject Name &amp; Subject Code</b>	<b>Course Outcomes</b>
1	DESIGN AND ANALYSIS OF ALGORITHMS & PSD1A	CO1:Ability to analyze the performance of algorithms.
		CO2:Ability to choose appropriate algorithm design techniques for solving problems
		CO3:Ability to understand how the choice of data structures and the algorithm design methods impact the performance of programs
		CO4: To clear up troubles the usage of set or rules design methods including the grasping approach, divide and overcome, dynamic programming, backtracking and department and certain
		CO5: To introduce p and np classes.

2	ADVANCED JAVA PROGRAMMING & PSD1B	CO1: Understand the basic principles of creating Java applications with graphical user interface (GUI).applications and Applets.
		CO2: Students will be able to develop Java Standalone applications and applet.
		CO3: Choose the appropriate data structure for modeling a given problem.
3	SYSTEM SOFTWARE & PSD1C	CO1:Study the architecture of a hypothetical machine, its assembly language, macro language.
		CO2: Program in assembly language
		CO3:Understand the structure and design of assemblers, linkers and loaders.
		CO4:Understand the concepts and theory behind the implementation of high level programming languages
		CO5:Ability to choose appropriate algorithm design techniques for solving problems
4	THEORETICAL FOUNDATIONS OF COMPUTER SCIENCE & PED1A	CO1:To design NFA/DFA for pattern matching.
		CO2:To apply specified well defined rules for syntax verification
		<del>CO3: To design and analyze TDA, Deterministic Turing machine for formal</del>
		languages, computability, decidability, undecidability, complexity classes through examples.
		CO5:enhance/develop students' ability to understand and conduct mathematical proofs for computation and algorithms.
5	COMPUTER NETWORKS & PSD2A	CO1: Analyze different network models
		CO2: Describe, analyze and compare a number of data link, network and transport layer
		CO3: Analysing key networking protocols and their hierarchical relationship in the conceptual model like TCP/IP and OSI
6	DIGITAL IMAGE PROCESSING & PSD2B	CO1:Understand the basic theory and algorithms that are widely used in digital image processing.
		CO2:Understand image analysis algorithms.
		CO3:Understand current applications in the field of Image Processing.
		CO4:Develop hands-on experience in using computers to process images.

7	OBJECT ORIENTED ANALYSIS AND DESIGN & PED2A	<p>CO1: Become familiar with the Unified modelling Language.</p> <p>CO2: Understand the object-oriented approach to analysing and designing systems and software solutions. Employ the Unified modelling Language notations to create effective and efficient system designs.</p> <p>CO3: Understand the difference between writing programs for the software and doing analysis and design.</p> <p>CO4: Problem formulation and decomposition (analysis) and solution building (design) will be covered.</p>
8	COMPUTER GRAPHICS & PSDEC	<p>CO1: Students are taught the concept of Computer Graphics, Display Devices, Lookup Table.</p> <p>CO2: Students will familiarize about Point-Plotting Techniques, DDA, Bresenham's Line Drawing Algorithm, Bresenham's Circle Drawing Algorithm</p> <p>CO3: Students will Understand Two-Dimensional Graphics Transformation, Graphical Input.</p> <p>CO4: Students will Understand the concept of Two-Dimensional Viewing, Clipping, Three-Dimensional Graphics.</p>
9	PRINCIPLES OF COMPILER DESIGN & PSD3A	<p>CO1: To realize basics of compiler design and apply for real time applications.</p> <p>CO2: To introduce different translation languages</p> <p>CO3: Design a compiler for a simple programming language</p> <p>CO4: To know about compiler generation tools and techniques</p> <p>CO5: To understand the importance of code optimization</p>
10	INFORMATION SECURITY & PSD3B	<p>CO1: Formulate information security governance, and related legal and regulatory issues</p> <p>CO2: Devices how threats to an organization are discovered, analyzed, and dealt with.</p> <p>CO3: Evaluate network security threats and countermeasures</p> <p>CO4: Construct network security designs using available secure solutions</p> <p>CO5: Acquire the knowledge of advanced security issues and technologies</p>
11	ARTIFICIAL INTELLIGENCE & PSD3C	<p>CO1: Recognize various AI domains and identify problem solving techniques to apply them in real time applications</p> <p>CO2: Analyze and formalize the problem as a state space, graph, design heuristics and select amongst different search or game based techniques to solve them.</p> <p>CO3: Identify and apply suitable Intelligence agents for various AI applications.</p> <p>CO4: Apply suitable algorithms to solve AI problems.</p> <p>CO5: Represent Knowledge in propositional calculus and Predicate calculus.</p>

12	CRYPTOGRAPHY & PSDEE	CO1:Identify the security issues in the network and resolve it.
		CO2:Analyse the vulnerabilities in any computing system and hence be able to design a security solution.
		CO3:Evaluate security mechanisms using rigorous approaches by key ciphers and Hash functions.
		CO4:Demonstrate various network security applications, IPSec, Firewall, IDS, Web Security, Email Security and Malicious software etc.,
13	CLOUD COMPUTING & PSDEJ	CO1:Define cloud computing and related concepts
		CO2:Understand the key dimensions of the challenges and benefits of Cloud Computing
		CO3:Understand the hardware necessary for cloud computing and how components fit together.
		CO4:Understanding the systems, protocols and mechanisms to support cloud computing and develop applications for cloud computing.
		CO5:Determine numerous opportunities exist for practitioners seeking to create solutions for cloud computing.
14	PROJECT & VIVA VOCE & PSSEQ	CO1:students will have hands of experience of system development life cycle
		CO2:The students will learn to apply the technologies learnt during the course in the real-life projects
		CO3:students will learn to work in real-life project development environments involving deadlines and teamwork

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>		
<b>Programme</b>		<b>B.Sc.</b>
<b>Programme Outcomes</b>		
PO1: Develop ability to analyze a problem, identify and define the computing requirements and practical skills, which may be appropriate to the solution of computational problem		
PO2: Understand the basic and advanced concepts of software tools which induce programming skills , research and career growth.		
PO3: To inculcate self-learning and research attitude for excelling in Software Development.		
PO-4 Create student employability and be competent enough to work in IT industry.		
PO5: Develop ability to pursue advanced studies and research		
<b>Specific Programme</b>		<b>Software Applications</b>
<b>Programme Specific Outcomes</b>		
current technology		
applications, packages, programming tools and modern techniques of IT		
PSO4: Prepare the learners to get placed in reputed organisations		
PSO5: Prepare the students to go for higher Education in Computer Discipline		
<b>Course Outcomes</b>		
<b>S.No</b>	<b>Subject Name &amp; Subject Code</b>	<b>Course Outcomes</b>
<b>1</b>	MATHS-1 & SBAMM	CO1: Students gain knowledge about basic concepts of Algebra, Theory of Equations, Matrices, Trigonometry and Calculus.
<b>2</b>	DIGITAL LOGIC FUNCDAMENTALS SAU1A	CO1: Explore the fundamentals of digital logic CO2: Demonstrate the components like gates, flipflops and registers of ICs CO3: Ability to design of reduced logic circuits by Karnaugh's Map
<b>3</b>	MATHS-2 & SBAMN	CO1: Students gain knowledge about basic concepts of Differential Equations, Laplace Transforms, Vector Analysis and Calculus
<b>4</b>	PROGRAMMING IN C & SAE2A	CO1: Explore algorithmic approaches to problem solving. CO2 : Ability to analyze a problem and devise an algorithm to solve it. CO3 : Able to formulate algorithms, pseudo codes and flowcharts for arithmetic and logical problems. CO4 : Ability to implement algorithms in the 'C' language. CO5 : Develop modular programs using control structures and arrays in 'C'.

5	PHYSICS - 1 (SBU3A)	<p>CO1:Ability to understand the physical properties of different types of semiconductors used in fabricating devices.</p> <p>CO2:Ability to understand the functioning of PN junction diode and explains its main application as opto-electronic devices.</p> <p>CO3:Understand the different mode of multimeter.Understand the concept of digital logic families</p> <p>CO4:To provide students engineering skills by way of breadboard circuit design with electronic devices and components.</p> <p>CO5:To understand the concepts of production of laser and thereby its applications in fiber optic communication</p>
6	PROGRAMMING IN C++ AND DATA STRUCTURES (SAU3A)	<p>CO1: Able to understand the concept of object oriented programming.</p> <p>CO2: Use the benefits of object oriented design and understand when it is an appropriate methodology to use.</p> <p>CO3: Design object oriented solutions for small systems involving multiple objects</p> <p>CO4: Understand different methods of organizing large amount of data using data structure.</p> <p>CO5: Able to choose appropriate data structure as applied to specified problem definition.</p>
7	PHYSICS II (SBU4A)	<p>CO1:Determining the carrier concentration, electrical conductivity and thermal conductivity through different media of materials.</p> <p>CO2:Analyzing and identifying the magnetic material and its application</p> <p>CO3:Understanding the various polarization mechanisms in dielectrics and the techniques to manufacture nano materials for engineering applications</p> <p>CO4:Summarize basics of magnetism and superconductivity. Explore a few of their technological applications.</p> <p>CO5:Identify the fundamental aspects of nanoscience. Get knowledge on synthesis of modern engineering materials (Nano materials) and their applications.</p>
8	MICROPROCESSOR AND ITS APPLICATIONS (SAU4A)	<p>CO1: Describe the design and architecture structure of a processor</p> <p>CO2: Demonstrate the ability to write down assembly language program for the specified microprocessor</p>
9	SOFTWARE ENGINEERING (SAU5A)	<p>CO1: The students should be able to specify software requirements, design the software using tools</p> <p>CO2: To write test cases using different testing techniques.</p>
10	OPERATING SYSTEMS (SAU5B)	<p>CO1: Understand the structure and functions of Operating System</p> <p>CO2: Compare the performance of Scheduling Algorithms</p> <p>CO3: Analyze resource management techniques</p>



11	PROGRAMMING IN JAVA (SAU5C)	CO1: Students will be able to develop Java Standalone applications and Applets. CO2: Choose the appropriate data structure for modeling a given problem.
12	SOFTWARE PROJECT MANAGEMENT (SEU5B)	CO1 :Identify the different project contexts and suggest an appropriate management strategy. CO2 :Practice the role of professional ethics insuccessful software development. CO3: Identify and describe the key phases of project management. CO4 : Determine an appropriate project management approach through an evaluation of the business context and scope of the project.
13	OBJECT ORIENTED SOFTWARE ENGINEERING (SAU6A)	CO1: Become familiar with the Unified modelling Language. CO2: Understand the object-oriented approach to analysing and designing systems and software solutions. Employ the Unified modelling Language notations to create effective and efficient system designs. CO3: Understand the difference between writing programs for the software and doing analysis and design. CO4: Problem formulation and decomposition (analysis) and solution building (design) will be covered.
14	DATABASE MANAGEMENT SYSTEMS (SAU6B)	CO1 : Understand fundamental concepts of database. CO2 : Understand user requirements and frame it in data model. CO3 : Ability in creations, manipulation and querying of data in databases. CO4 :Ability to solve real world problems using appropriate set, function, and relational models. Ability to design E-R Model for given requirements and convert the same into databasetables CO5 : Able to use database techniques such as SQL and implement the concept of transactions.
15	VISUAL PROGRAMMING (SEU6C)	CO1: Understand Visual Basic applications CO2: Understand the concept of data-driven program execution flow control in Visual Basic programming. CO3: Understand loops to do repetition & controls
16	DATA COMMUNICATION AND NETWORKING (SEU6D)	CO1: Analyze different network models CO2: Describe, analyze and compare a number of data link, network and transport layer CO3: Analysing key networking protocols and their hierarchical relationship in the conceptual model like TCP/IP and OSI

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>	
<b>Programme</b>	<b>B.Sc. Physics</b>
<b>Programme Outcomes</b>	
PO1: Merge with competency in the subject of Physics and apply knowledge to cater to the needs of Society / Employer / Institution / Own Business Enterprise	
PO2: Imbibe analytical/critical/logical/innovative thinking skills in the various fields of theoretical and experimental Physics	
PO3: Acquire distinct traits and ethics with high professionalism to gain a broader insight into the domain concerned for nation building	
PO4: Recognize the need for and have an ability to engage in life-long learning and be able to demonstrate knowledge of contemporary issues	
PO6: Function on interdisciplinary teams with professional and ethical responsibility. Use the modern techniques, skills and sophisticated equipment necessary for research.	
PO7: To identify, formulate, analyze and optimize variety of problems related to various fields of Physics through basic knowledge and to apply the skills and knowledge acquired during the UG studies.	
PO8: To acquire knowledge of fundamental laws and principles in wide areas of Physics along with their applications so as to develop strong student competencies in Physics and its applications in a technology-rich, interactive environment.	
<b>Specific Programme</b>	<b>Physics</b>
<b>Programme Specific Outcomes</b>	
PSO1: Critical Thinking for a given Physical Problem. Problem solution approach.	
PSO2: Acquire good knowledge and understanding in advanced and frontier areas of Physics. Formulate and use quantitative mathematical models	
PSO3: Demonstrate a rigorous understanding of the core theories & principles of physics, which includes mechanics, electromagnetism, thermodynamics, Relativity & quantum mechanics.	
PSO4: Demonstrate engagement with current research and developments in the subject introduced at degree level in order to understand nature at atomic levels.	
PSO5: Provide knowledge about material properties and its application for developing technology to ease the problems related to the society.	
PSO6: Understand the set of physical laws, describing the motion of bodies, under the influence of system of forces.	
PSO8: Understand physical properties of molecule the chemical bonds between atom as well as molecular dynamics.	
PSO9: Produce graduate with leadership quality and to integrate their knowledge with Electronics, Chemistry and mathematics to face challenges taking place rapidly at global level.	

Course Outcomes		
S.No	Subject Name & Subject Code	Course Outcomes
1	Properties of Matter and sound (SR21A)	CO1:Learn the basic concepts of Rigid body dynamics, Gravitation, Properties of Matter and Acoustics
		CO2:Understand the concept of Radius of Gyration, Moment of Inertia, Elasticity, Surface tension and Types of Vibration
		CO3:Analyze the phenomena of simple harmonic motion and the properties of systems executing such motions
		CO4:Understand the fluid dynamics that gives the fundamental knowledge over many practical applications
		CO5:Know the different methods of producing ultrasonic waves and its applications
2	Thermal Physics & Acoustics (SAR2B)	CO1:Understand the applications of Acoustics and Ultrasonics, to study simple harmonic motion
		CO2:Understand the concepts of Heat, Thermodynamics and Statistical Thermodynamics.
		CO3:Procure basic knowledge about real gas, specific heat and Entropy
		CO4:Get ideas about liquefaction of gases. Understand the laws of thermal radiation.
		CO5:Derive thermodynamic parameters and apply fundamental laws to solve thermodynamic problems
3	Optics (SAR3A)	CO1:Describe the general method for analyzing and predicting the aberrations in lens and to find the velocity of light.
		CO2:Understand the basic concepts of the interference through experiments with visible lights.
		CO3:Interpret various Diffraction techniques to determine the wavelength of light.
		CO4:Infer the basic concept of polarization and their application in the field of Photonics.
		CO5:Apply various aspects of molecular spectroscopy analysis relevant to research and industry.
4	Atomic Physics (SAR4B)	CO1:To study the atomic structure and spectral series with electric and magnetic fields
		CO2:To study the atomic structure and spectral series with electric and magnetic fields
		CO3:Use Photo electric effect appropriately.
		CO4:Analyze the atomic structure and associated coupling schemes
		CO5:Understand the splitting of spectral lines due to electric and magnetic fields. Be familiar with X rays and its applications

5	Electricity & Electromagnetism (SAR5E)	CO1: To give the students a firm understanding of the basics of Electricity and Magnetism.
		CO2: Have gained elaborated knowledge about the electrostatics and laws governing the charge distribution.
		CO3: Understand the relevance of different magnetization and the boundary condition of magnetic field.
		CO4: Electrical circuits and the most common components in such: resistors, capacitors, and inductors. The properties of static electric and magnetic fields and how they arise
		CO5: To familiarize the fundamentals of electromagnetic theory and applications of electromagnetic induction
6	Nuclear Physics and Particle Physics (SAR5B)	CO1: Apply knowledge of core concepts in physics to more advanced topics in nuclear and particle physics.
		CO2: Understand the basics concepts of atomic structure and general static properties of atomic nuclei
		CO3: Understand the half life and mean life of radioactive substances and the mechanism of radiation
		CO4: understand the working of nuclear detectors and counters, realize the importance of Cosmic rays and its effects on earth
		CO5: Become familiar with nuclear particles and different particle accelerators. Student is expected to know the working of different accelerators.
7	Solid State Physics (SAR5C)	CO1: Helps as pre-requisite for relationship between structure and properties of the solid state systems and understanding materials science, nano science, etc.
		CO2: Have a clear picture of crystal structures and a clear understanding about x-ray diffraction
		CO3: To understand the different types of bonding in solid substances and importance of superconducting materials in engineering applications
		CO4: Expected to gain knowledge of superconductivity, its underlying principles and its applications in modern world.
		CO5: Develop an understanding of the unique properties and characteristics of dielectrics and insulating based materials
8	Basic Electronics (SAR5D)	CO1: Know the basic principles about semiconductor diodes
		CO2: Field effect transistors, Bipolar junction transistors, amplifiers, Oscillators and their applications
		CO3: Construct amplifiers of different specification and apply Barkhausen criteria to oscillators
		CO4: Understand the different types of multivibrators and get an idea about Instrumentation
		CO5: Apply the acquired knowledge to solve the problems

9	Numerical Methods (SER5A)	CO1: Solve simultaneous equations using method of triangularisation
		CO2: Find the inverse of a matrix using Gauss Jordan Method
		CO3: Solve Algebraic, Transcendental and Differential Equation using different methods
		CO4: To fit a curve for the given data using principles of least squares
		CO5: Integrate the functions using different rules like Simpsons rules
10	Relativity and Quantum Mechanics (SAR6A)	CO1: Know the inadequacies of classical mechanics in explaining microscopic phenomena
		CO2: Study about Basic concepts in Quantum Mechanics such as the Schrodinger equation, wave function and its statistical interpretation
		CO3: Introduce with the concept of matter waves and their existence proved by experimental procedure and uncertainty principle in physical measurements
		CO4: Find eigen values and eigen functions of one dimensional and three-dimensional problems and quantum mechanics through Schrodinger equation and associated different operators
		CO5: Apply the quantum mechanical concepts to solve hydrogen atom and simple harmonic oscillator problem with computational solution using different software.
11	Mathematical Methods in Physics (SAR6B)	CO1: Gain knowledge on vectors a basic mathematical structure which is essential in solving problems in various branches of Physics as well as in engineering.
		CO2: Use Matrices to solve simultaneous equations
		CO3: Learn the beta, gamma functions and Dirac delta function its properties and their applications in doing integrations, which have applications in various branches of Physics, especially quantum mechanics
		CO4: Apply Fourier series to simple circuits.
		CO5: To understand electromagnetic theory with Vector Calculus
12	Integrated Electronics (SER6A)	CO1: Analyze and construct various digital circuits and through knowledge on different number systems
		CO2: The skill to simplify the logics using Karnaugh map and Boolean algebra
		CO3: Operational amplifiers, comparator and applications, Voltage regulators and features of Timer 555.
		CO4: Detailed knowledge in storing and retrieving a data through mux and demux
		CO5: The skill to customize the counters to the need through serial and parallel counters

13	Microprocessor Fundamentals (SER6B)	CO1: Describe the general architecture of a microcomputer system and architecture & organization of 8085 Microprocessor and understand the difference between 8085 and advanced microprocessor
		CO2: Acquire knowledge of various addressing modes and instructions of the 8085 microprocessor
		CO3: Apply the interfacing concepts to Interface memory & various I/O devices with 8085 microprocessor
		CO4: Understand the architecture and operation of Programmable Interface Devices and realize the programming & interfacing of it with 8085 microprocessor
		CO5: Develop assembly language programs of 8085 microprocessor and recognize the key mechanisms that make up an IoT system
14	Allied Physics Paper - I (SBARA)	CO1: Apply the knowledge of Physics fundamentals
		CO2: Import knowledge about the importance of material properties, heat, sound, optics, atomic and nuclear physics.
		CO3: Understand the Fundamental properties of electricity and magnetism
		CO4: Investigate the effects of gravity and elasticity and explore the concepts of heat and thermodynamics
		CO5: Determine the characteristics of the electronic devices and get depth knowledge of physics in day today life
15	Allied Physics Paper - II (SBARB)	CO1: Study about Basic concepts in Quantum Mechanics such as the Schrodinger equation, wave function and its statistical interpretation
		CO2: Understand the energy involved in nuclear reaction
		CO3: Recognize various quantum numbers associated with vector atom model and explain the change in behaviour of atomic spectral lines on externally applied magnetic fields
		CO4: Analyse and construct various digital circuits and apply the characteristics of electronic devices in practicals
		CO5: Understand the principles of modern communication systems and apply the principles of electronics in day to life
16	Physics Practical - I (SAR22)	CO1: Study the elastic behaviour of materials Conduct experiments on wooden bar and to identify its the strength
		CO2: Comment on the relation between frequency, length and tension of a stretched string under vibration.
		CO3: Test a wire or cylindrical rod for its strength
		CO4: Quantify the measurement of the reflection of transmission properties of a materials
		CO5: Deal with liquids based on their viscosity

17	Physics Practical - II (SAR42)	CO1: Perform experiments on any material to identify the strength of the given objects
		CO2: Analyze the effects of refractive index of a medium using optical instruments
		CO3: Compare the thermal conductivity of solids
		CO4: Understand the calibration of Ammeter
		CO5: Predict the curvature of a transparent medium
18	Physics Practical - III (SAR62) GENERAL PRACTICAL	CO1: To understand theoretical principles of optics in the experimental method through the determination of refractive index of the prism using the spectrometer.
		CO2: To acquire the knowledge in electrical devices such as ammeter, voltmeter, millimeter and spot galvanometer etc.,
		CO3: Understand the calibration of a High range voltmeter
		CO4: Demonstrate the effect of magnetic field on current carrying conductors
		CO5: Examine the effect of horizontal component of earth's magnetic field on magnetic materials
19	Allied Physics Practical (SBAR2)	CO1: Distinguish between elastic/inelastic and rigid/flexible materials by measuring moduli of elasticity. Comment on the relation between frequency, length and tension of a stretched string under vibration.
		CO2: Apply the principle of potentiometer to determine the potential difference/current flowing between two points.
		CO3: Explain surface tension and interfacial surface tension of liquids. Explain the phenomenon of diffraction and interference of light.
		CO4: Explain I-V characteristics of a p-n junction diode.
		CO5: Apply AND/OR/NOT logic operations to solve simple logic circuits.
20	Physics Practical - IV (SAR63) ELECTRONICS PRACTICAL	CO1: Explain the basic laws of electronic components and their performance and analyse a given electronic component using basic test and measuring instruments
		CO2: Design the biasing circuits like self biasing and construct amplifier, oscillator and multivibrator circuits
		CO3: Understand the diode and transistor characteristics. Analyze the concepts of FET, UJT, SCR and observe its characteristics.
		CO4: Design and construct the integrated circuits that perform the desired logic operation
		CO5: Use the basic knowledge of analog and digital electronics to evaluate the given electronic circuits.

21	Physics Practical - V (SAR64) MICROPROCESSOR PRACTICAL	CO1: Set up programming strategies and select proper mnemonics and run their program on the training boards. Perform simple assembly language program using instruction of 8085 microprocessor
		CO2: Understand and compare different amplifier and Analyze the different parameters of OP-AMP for positive and negative feedback concept.
		CO3: Understand the IC regulator, different regulator and their performances.
		CO4: Understand and describe 8085 microprocessor and different modes of operation of 8085 microprocessor
		CO5: Understand different instruction set of microprocessor and the need of interfacing and different modes of data transfer
22	Applied Physics - I (SBU3A)	CO1: Ability to understand the physical properties of different types of semiconductors used in fabricating devices.
		CO2: Ability to understand the functioning of PN junction diode and explains its main application as opto-electronic devices.
		CO3: Understand the different mode of multimeter. Understand the concept of digital logic families
		CO4: To provide students engineering skills by way of breadboard circuit design with electronic devices and components.
		CO5: To understand the concepts of production of laser and thereby its applications in fiber optic communication
23	Applied Physics - II (SBU4A)	CO1: Determining the carrier concentration, electrical conductivity and thermal conductivity through different media of materials.
		CO2: Analyzing and identifying the magnetic material and its application
		CO3: Understanding the various polarization mechanisms in dielectrics and the techniques to manufacture nano materials for engineering applications
		CO4: Summarize basics of magnetism and superconductivity. Explore a few of their technological applications.
		CO5: Identify the fundamental aspects of nanoscience. Get knowledge on synthesis of modern engineering materials (Nano materials) and their applications.



<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>	
<b>Programme</b>	<b>BSc</b>
<b>Programme Outcomes</b>	
PO1: Provide critical thinking and problem solving skills to the students	
PO2: Develop scientific temper and thus can prove to be more beneficial for the society as the scientific developments can make a nation or society to grow at a rapid pace	
PO3: Shed light on higher studies especially doing post graduation in Master of Science and then can do research for the welfare of mankind	
PO4: Find green route for sustainable development	
PO5: Create awareness among students about the impact of science on environment	
PO6: Give stepwise advancement of the subject knowledge right through the three years of the term	
<b>Specific Programme</b>	<b>CHEMISTRY</b>
<b>Programme Specific Outcomes</b>	
PSO1: B.Sc. Chemistry curriculum is so designed to provide understanding about the fundamentals of chemistry	
PSO2: Gain knowledge on various aspects of atomic structure, chemistry of elements and chemical bonding.	
PSO3: Impart knowledge on basic principles and perspectives of Inorganic Chemistry, Organic Chemistry, Physical Chemistry and Analytical Chemistry	
PSO4: Grasp the mechanisms of different types of reactions both organic and inorganic	
PSO5: Know structure-activity relationship	
PSO6: A clear insight to the students about the role of chemical in day to day life	
PSO7: Learn to estimate inorganic and organic compounds both qualitatively and quantitatively using the classical methods of analysis in practical classes	
PSO8: Make aware and handle the sophisticated instruments/equipments	
PSO9: The practical exercises impart the knowledge about various chemical reagents and reactions to the students	
PSO10: Understand and assess safety and risk in handling of chemicals in laboratory	

Course Outcomes		
S.No	Subject Name & Subject Code	Course Outcomes
1	General Chemistry I (TAT1A)	CO1: Atom models and its evolution are adapted
		CO2: Understanding the Periodicity in properties in detail
		CO3: Binding forces in molecules are established
		CO4: Fundamentals of Qualitative and quantitative analysis are observed
		CO5: Imparting the generalities of organic compounds
2	General Chemistry II (TAT2A)	CO1: Chemistry of Alkali and alkaline earth metals are gained
		CO2: Chemistry of Boron and Carbon family are attained
		CO3: Properties of Gases are identified
		CO4: Significance of Physical behaviour of Liquids are outlined
		CO5: Acquainted with Nanochemistry
3	Major Practical I (TAT21)	CO1: Elementary knowledge on preparation of inorganic compounds
		CO2: A complete practice on quantitative analysis is given.
		CO3: Develop skills of the students on preparation of inorganic solutions
		CO4: Calculations of normality and molarity of solutions using appropriate formulae
4	General Chemistry III (TAT3A)	CO1: Comprehend general characteristics of nitrogen and oxygen families
		CO2: Familiar with the chemistry of halogens and noble gases
		CO3: Characterize different reagents involved in nucleophilic substitution and elimination reactions
		CO4: Acquaint with about reaction mechanism of aromatic and heterocyclic compounds
		CO5: Understand basic concepts of thermodynamics and thermochemistry

5	Allied Chemistry I (TBTA A)	CO1: Know the fundamentals of nuclear reactions and their applications in industries and medicine
		CO2: Familiarize with composition of fuels, fertilizers & polymers and their applications in various industry sectors
		CO3: Learn some basic aspects of organic chemistry
		CO4: Understand chemical properties of some useful inorganic and organic compounds
		CO5: Acquire knowledge on basic laws of photochemistry and various photo-physical processes
6	Allied Chemistry I (TBTAC)	CO1: Know the fundamentals of nuclear reactions and their applications in industries and medicine
		CO2: Familiarize with composition of fuels, fertilizers & polymers and their applications in various industry sectors; Develop knowledge about analysis of water
		CO3: Learn some basic aspects of organic chemistry
		CO4: Understanding on heat flow in basic chemical substances
		CO5: Know about insights into rate of reaction and factors affecting it; Acquire knowledge on basic laws of photochemistry and various photo-physical processes
7	General Chemistry IV (TAT4A)	CO1: Improve knowledge on redox reaction and chemistry involved in it
		CO2: Learn about general characteristics of transition elements
		CO3: Gain key knowledge on preparation and properties of heterocyclic compounds and dye materials
		CO4: Shed light on differences between alcohol & thiols and ethers & thioethers
		CO5: Evaluate thermodynamic properties of chemical reactions
8	Allied Chemistry II (TBTAB)	CO1: Understand chemistry of coordination compounds
		CO2: Study structural aspects of biologically important compounds
		CO3: Conquer knowledge about amino acids & proteins and their biological functions
		CO4: Introduce some basic concepts and theories involved in electrochemistry
		CO5: Develop theoretical alertness about various methods adopted in qualitative and quantitative analysis of chemical substances

9	Allied Chemistry II (TBTAD)	CO1: Learn nomenclature and structural aspects of coordination complexes; their vital roles in biological process
		CO2: Provide basic idea of preparation, properties and structural parameters of biological important molecules
		CO3: Inculcate effect of pressure, temperature and concentration on various chemical mixtures using phase diagram
		CO4: Introduce some basic concepts and theories involved in electrochemistry
		CO5: Develop theoretical alertness about various methods adopted in qualitative and quantitative analysis of chemical substances
10	Major Practical I (TAT21)	CO1: Develop skills to identify acid and basic radicals present in a salt mixture
		CO2: Understand theory behind practical experiments
		CO3: Able to distinguish interfering and non-interfering radicals
		CO4: Formulate new methods for semi-micro analysis
11	Allied Chemistry Practical (TBTA1)	CO1: Complete practice on quantitative analysis
		CO2: Develop skills of the students on preparation of inorganic solutions
		CO3: Calculations of normality and molarity of solutions using appropriate formulae
		CO4: Gain knowledge in testing adulterants present in food sample
12	Inorganic Chemistry I (TAT5A)	CO1: Provide opportunity to study unique characteristics of lanthanides
		CO2: Learn nomenclature and structural aspects of coordination complexes; Deal theoretical aspects to ascertain structure of coordination complexes
		CO3: Give overview on vital role of coordination complexes in industry and biology
		CO4: Understand basic concepts of binary compounds
		CO5: Deal in detail the concepts and theories of acids & bases
13	Organic Chemistry I (TAT5B)	CO1: Understand acidic properties of phenol and aromatic alcohols
		CO2: Introduce important chemical properties of carbonyl compounds such as aldehydes and ketones
		CO3: Acquaint about carboxylic acids and preparation of their industrial important derivatives
		CO4: Familiarize basic features of green chemistry
		CO5: Develop theoretical skill to identify various functional groups present in organic compounds

14	Physical Chemistry I (TAT5C)	CO1: Introduce essential concepts of thermodynamics such as equilibrium constant & entropy and their inter-relations
		CO2: Provide fundamental knowledge on solutions and basis of separation technique steam distillation
		CO3: Inculcate effect of pressure, temperature and concentration on various chemical mixtures using phase diagram and basis of separation technique solvent extraction
		CO4: Educate about four types of colligative properties and their use in determining molecular mass of unknown substances
		CO5: Discuss advanced concepts of electrochemistry and various methods for determination of conductance of electrolytes to ascertain equilibrium constant
15	Pharmaceutical Chemistry (TET5A)	CO1: Learn several terminologies involved in pharmacology and their use in medical field
		CO2: Understand the mechanism and pharmaceutical importance of inorganic compounds
		CO3: Analyze active principles of drugs used in medicinal applications
		CO4: Predict side-effects associated with basic pharmaceutical drugs
		CO5: Develop skills in drawing structures of important antibiotics
16	Nanomaterials and Green Chemistry (TET5C)	CO1: Familiarize basic idea of nanomaterials and various methods adopted for preparations
		CO2: Shed light on nano-technology and its application in nanoimaging
		CO3: Discuss about classification of nanomaterials and their characterization by using modern techniques
		CO4: Create awareness on needs of green chemistry and discuss some green synthesis methods
		CO5: Selection of green catalysis methods
17	Inorganic Chemistry II (TAT6A)	CO1: Knowledge on theories of metallic bonding and alloys is provided
		CO2: Applications of organometallic compounds are poured to students
		CO3: Basics of nuclear chemistry is introduced
		CO4: Role of radioactivity and applications are high-lighted
		CO5: Chemistry of novel inorganic materials are discussed

18	Organic Chemistry II (TAT6B)	CO1: Basic chemistry of carbohydrate is introduced
		CO2: Inevitable role of proteins and vitamins in living organism are explained
		CO3: Structural elucidation of selective natural products are explored
		CO4: Understanding molecular rearrangement if provided
		CO5: Importance of stereo-chemical aspects of organic chemistry are dealt thoroughly
19	Physical Chemistry II (TAT6C)	CO1: Describe temperature dependence of rate constants and relate this calculation to activation energy using various theories
		CO2: Explain role of adsorption in dictating kinetics of chemical reaction
		CO3: Conquer knowledge about photophysical process and learn about kinetics of photochemical reactions
		CO4: Determine symmetry elements in a simple molecules and evaluate their point group
		CO5: Distinguish photochemical electrochemical cells from electrolytic cell and knowledge of various electrodes storage devices
20	Analytical Chemistry (TET6A)	CO1: Importance of qualitative and quantitative analysis in production, quality control as well as R & D are elaborated
		CO2: Basics of research methodology is introduced
		CO3: Theory behind quantitative analysis is explored
		CO4: Requisite and applications of electronic and infra-red spectroscopy are dealt
		CO5: Knowledge on instrumental methods of analysis are introduced
21	Inorganic Quantitative Analysis - Gravimetric Analysis (TAT51)	CO1: Dictates systematic quantitative analysis of chemical substance using precipitation methods
		CO2: Make students to conduct live reactions and analysis formed products
		CO3: Develop skills in handling various chemical apparatus and instruments
		CO4: Knowledge in selection of appropriate reagents for determination of specific ions
		CO5: Assess suitable methods for estimation of inorganic ions

22	Organic Analysis and Preparation (TAT52)	CO1: Hands on experience are gained by the students in preparation of monofunctional organic compounds
		CO2: Complete training on systematic analysis of an organic compound is explored
23	Physical Chemistry Practical (TAT53)	CO1: Provide hands on experience to the students on instruments like conductivity meter, potentiometer, viscometer, etc.,
		CO2: Bring about awareness on error analysis and use of scientific notations in reporting results
		CO3: Use of various concepts like conductivity, viscosity, colligative properties in live experiments for determining various parameters

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>	
<b>Programme</b>	<b>B.Sc</b>
PO1:Critical Thinking: Apply the knowledge of biology to make scientific queries and enhance the comprehension potential.	
PO2:Effective Communication: Successful transfer of scientific knowledge both orally and in writing	
PO3:Social Interaction: Function as an individual, as a member or a leader to perform a task in class room situation or during field study.	
PO4:Effective Citizenship:Responsible for learning, develop honesty in work and respect for self and others.	
PO5:Ethics: Convey and practice social, environmental and biological ethics	
PO6:Environment and Sustainability: Insist the significance of conserving a clean environment for perpetuation and sustainable development.	
PO7:Self-directed and Life-long Learning: study incessantly by self to cope with growing competition for higher studies and employment.	
<b>Specific Programme</b>	<b>Plant Biology &amp; Plant Biotechnology</b>
<b>Programme Specific Outcomes</b>	
PSO1:Inculcate strong fundamentals on modern and classical aspects of Botany	
PSO2:Gain knowledge about Edible mushroom cultivation, Biofertilizer production, Greenhouse maintenance	
PSO3:Understand the principle and basic protocols for Plant Tissue Culture	
PSO4:Know the scope of Paleobotany, types of fossils, its role in global economy and geological time scale.	
PSO5:Understand the fundamentals of Recombinant DNA Technology	
PSO6:Know the concept, principle and types of sterilization methods.	
PSO7:Facilitate students to take-up successful career in Botany	
PSO8:Create platform for higher studies in Botany.	



Course Outcomes		
S.No	Subject Name & Subject Code	Course Outcomes
1	Plant Diversity I - Phycology and Algal Biotechnology ( SS21A)	CO1:Understand the salient features of algae and its classification
		CO2:Study the life cycle patterns of different forms of algae
		CO3:To understand the economic importance of algae
		CO4:Understand the various methods of algal cultivation
		CO5:Study about role of algae in phycoremediation, biodiesel production etc.
2	Plant Diversity I - Phycology and Algal Biotechnology- Practical -1 ( SS211)	CO1:Microscopic observation of vegetative and reproductive structures of different algae through permanent slides
		CO2:Identifying types of algal mixture
		CO3::Preparation of culture media for algae cultivation
		CO4:Immobilization of algal cells with alginate for phycoremediation and other uses
		CO5:Field visit/trip to collect algal specimens.
3	Allied Paper - I (Theory) SW3AA	CO1: Know the general classification of invertebrates and chordates
		CO2: Depict the structural diversity of various animal phyla and their significance
		CO3: Gain knowledge about how one cell to multi cellular organisms evolved
		CO4: To understand the concepts of origin of non-living to living organisms
		CO5: To know about adaptations of various phyla to sustain their lives
4	Basics in Microbiology and Plant Pathology (TAS2A)	CO1: Students will be introduced to the world of microbes and recognize the scope of microbiology.
		CO2: Understanding of bacteria, fungi and virus and appreciate their adaptive strategies
		CO3: To learn the microbial culture practices and their isolation techniques.
		CO4: Students will understand the principles and application of plant pathology
		CO5: Enable the students to identify microbes, etiology and control measures of plant diseases.

5	Basics in Microbiology and Plant Pathology(TAS21)	CO1: Preparation of bacterial culture media and inoculation techniques
		CO2: To appreciate the existence of microbes in various environments.
		CO3: To understand the methods in the quality control of water, milk and other food items.
		CO4: To observe the microscopical view of plant pathogens from the infected plants.
		CO5: Identify the common plant diseases, according to geographical locations and device control measures.
6	Allied Paper - II (SBAAD)	CO1: Understand the structure of animal cell and functions of important cell organelles
		CO2: Know the basic concept of inheritance, structure of nucleic acids
		CO3: Attain the concept of developmental stages in animals
		CO4: Gain knowledge in the physiological functions of human organ systems
		CO5: Understand the environment and reasons for global warming and melting of ice glaciers
7	Allied Paper - (I & II) Practical (SBAA2)	CO1: Dissect and mount an invertebrate specimen and understand its anatomical features
		CO2: Gain knowledge in the morphological structures of various animal phyla through specimens
		CO3: To understand the internal structures of various animal phyla through permanent slides
		CO4: Know the basic concepts of the living beings
		CO5: To identify the evolutionary proces of one cell to multi cellular organisms
8	Plant Diversity III - Bryophytes and Pteridophytes (TAS3A)	CO1: The students will be able to understand the morphology, anatomy and reproduction of Bryophytes and Pteridophytes
		CO2: Develop critical understanding on variations in gametophyte an sporophyte
		CO3: Understanding plant evolution and their transition to land habitat
		CO4: Understanding the techniques and methods of appropriate analysis of Bryophytes and Pteridophytes.
		CO5: Understand the fossil forms pertaining to syllabus

9	Plant Diversity III - Bryophytes and Pteridophytes - Practical III (TAS31)	CO1: To learn the range of thallus organization in various Bryophytes
		CO2: To learn the range of thallus organization in various Pteridophytes
		CO2: To study the internal organization of Bryophytes
		CO2: To study the internal organization of Pteridophytes
		CO5: To study few fossil forms
10	Plant Diversity IV- Gymnosperms and Paleobotany and Evolution - IV (TAS4A)	CO1: To learn the classification of Gymnosperms and identify the systematic position of different Gymnosperms
		CO2: To describe the vegetative and reproductive structures and life cycle patterns in Gymnosperms
		CO3: To explain fossil species of Gymnosperms
		CO4: To discuss the Geological time scale of different plant species
		CO5: To understand the theories of evolution
11	Plant Diversity IV - Gymnosperms and Paleobotany and Evolution - Practical IV (TAS41)	CO1: To take section and observe the vegetative and reproductive structures of Gymnosperms
		CO2: To identify the vegetative and reproductive structures of Gymnosperms
		CO3: To identify the fossil specimens of Gymnosperms
		CO4: To recognise the systematic position of various species of Gymnosperms
		CO5: To identify the scientists who proposed theories of evolution
12	Plant Morphology, Taxonomy and Economic Botany (TAS5A)	CO2: Learn the types of classifications - artificial, natural, phylogenetic and API systems
		CO3: Gain knowledge about Botanical Survey of India (BSI) & Herbarium techniques
		CO4: Understand the distinguishing features of angiosperm families & economic uses of those families
		CO5: Study of economic products with reference to the Botanical name, family, morphology of useful parts

13	Plant Morphology, Taxonomy and Economic Botany - Practical V (TAS51)	CO1: To identify the morphology of root, stem and leaf modifications and inflorescence
		CO2: Dissect out the floral parts of plants coming under the families prescribed in the theory syllabus
		CO3: Field study to a floristic rich area is must for a period of three days only under supervision to observe and collect the plants in their natural habitats
		CO4: Submit minimum of twenty herbarium Plants with a proper field note book with correct identification for external valuation
		CO5: Identify the economic products related to theory syllabus and write Botanical name, family and uses.
14	Plant Anatomy & Embryology (TAS5B)	CO1: To identify different types of tissue and tissue systems in plants
		CO2: To explain the primary and secondary structure of angiosperms
		CO3: To explain the anomalous secondary structure in angiosperms
		CO4: To understand the process of microsporogenesis and megasporogenesis
		CO5: To describe the structure of angiospermic embryo and their development
15	Cell Biology, Genetics and Plant Breeding (TAS5C)	CO1: understand the structure and function of cells and explain the development of cells
		CO2: conceptual understanding of Law's of inheritance, genetic basis of loci and alleles and their linkage
		CO3: critical understanding of the chemical basis of genes and their interactions at population and evolutionary levels
		CO4: conceptual understanding of plant genetic resources, plant breeding, gene bank and gene pool
		CO5: understand the role of various non-conventional methods used in crop improvement and breeding
16	Practical Covering Core 11 and 12 - Practical VI (TAS52)	CO1: To understand the various cells and tissue system in plants
		CO2: To understand how reproduction plays a significant role in defining population structure, natural diversity and sustainability of ecosystem in a better way in plants
		CO3: The students will be able to understand the mitotic cell division
		CO4: Learn Modes of inheritance of traits/ phenotypes and Phenotype-genotype correlation
		CO5: Understand the experimental steps and methods involved in generating new varieties using classical and contemporary breeding practices

17	Elective I - Bioinstrumentation and Biostatistics (TES5A)	CO1: Understand the principle and mechanism of microscopes and microscopic techniques
		CO2: To understand the different methods of chromatography
		CO3: Study the steps involved in gel electrophoresis
		CO4: To describe the apparatus and explain the method of spectrophotometry
		CO5: Gain knowledge about statistical analysis
18	Plant Ecology and Phytogeography (TAS6A)	CO1: Understand plant communities and ecological adaptations in plants.
		CO2: Know about the components & types of ecosystem
		CO3: Learn the Approaches to the study of Ecology (Autecology, Synecology and Genecology)
		CO4: Learn about nonconventional energy, pollution and remedial measures
		CO5: Discover the botanical regions of India and vegetation types of Tamil Nadu
19	Plant Biotechnology and Molecular Biology (TAS6B )	CO1: Understand the core concepts and fundamentals of plant biotechnology and genetic engineering
		CO2: Develop knowledge on different types of plant tissue culture
		CO3: Learn the major concerns and applications of transgenic technology
		CO4: Know to assess the enzymes and vectors for genetic manipulations.
		CO5: Gain an understanding of various steps in transcription, protein synthesis and protein modification
20	Plant Physiology and Plant Biochemistry (TAS6C)	CO1: To understand the water relation to plants
		CO2: To recognise the importance of photosynthesis in plants
		CO3: To recall the steps involved in the liberation of energy during respiration
		CO4: To know the physiological role of plant growth hormones
		CO5: To classify the enzymes and explain the structure and mechanism of their action.
21	Practical covering core 14, 15 and 16 Practical- VII (TAS61)	CO1: The students will be able to study the principle and concepts of Phytogeography
		CO2: Understands how to estimate the quantity and activity of various enzymes
		CO3: Extraction and separation of photosynthetic pigments by Chromatography techniques
		CO4: To study the effect of various physical factors on photosynthesis
		CO5: To develop protocols for plant tissue culture and synthetic seed production

22	Elective II Horticulture (TES6A)	CO1: Learn the importance of horticulture, classification, water and soil management
		CO2: Know about hydroponics and its importance
		CO3: Learn the techniques of gardening and various methods of propagation
		CO4: Study about the market preparation of horticultural crops and food processing methods.
		CO5: Learn about the prospects and scope mushroom cultivation, post harvesting techniques & storage methods.
23	Elective III Herbal Science (TES6B)	CO1: To recognize the basic medicinal plants
		CO2: Gain knowledge about history of herbal science and Indian folk medicine
		CO3: Know the setup process of harvesting, drying and storage of medicinal herbs.
		CO4: Propose new strategies to enhance growth of medicinal herbs considering the practical issues pertinent to India
		CO5: Increase the awareness and appreciation of plants and plant products encountered in everyday life in human use

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>		
<b>Programme</b>		<b>B.Sc</b>
<b>Programme Outcomes</b>		
PO1-The comprehensive course outline enables students to enhance computational skills and Mathematical reasoning.		
PO2-To develop student abilities and aptitudes to apply mathematical methods and ideas in Mathematics as well as related fields such as the sciences, computer science, actuarial science, or statistics.		
PO3-Students are encouraged to develop concepts and proofs independently and intellectually.		
<b>Specific Programme</b>		<b>Mathematics</b>
<b>Programme Specific Outcomes</b>		
The overall aim is to		
PSO1-Develop Broad and Balanced knowledge and understanding of definitions, concepts, principles and theorems.		
PSO2-Enhance the ability of the learners to apply the knowledge and skills acquired by them during the programme to solve specific theoretical and applied problems in mathematics.		
PSO3-Provide students / learners sufficient knowledge and skills enabling them to undertake further studies in Mathematics and its allied areas on multiple disciplines concerned with Mathematics.		
<b>Course Outcomes</b>		
<b>S.No</b>	<b>Subject Name &amp; Subject Code</b>	<b>Course Outcomes</b>
1	ALGEBRA	Students will acquire CO1-Basic ideas on Theory Of Equations, Matrices and Theory of Numbers. CO2-Knowledge to solve theoretical and applied problems.
2	TRIGONOMETRY	CO1-Students will acquire knowledge about the expansions of Trigonometric Functions , Hyberbolic Functions and Trigonometric series.
3	CALCULUS OF FINITE DIFFERENCES AND NUMERICAL ANALYSIS - 1	Students will acquire knowledge about CO1-Numerical techniques used as powerful tools in scientific computing. CO2-Linear algebraic , transcendental equations and interpolation using finite difference formulae.

4	DIFFERENTIAL CALCULUS	Students will acquire knowledge about CO1-The basics of differentiation and its applications. CO2-The notion of curvature, evolutes, involutes and polar co ordinates.
5	ANALYTICAL GEOMETRY	Students will acquire knowledge CO1-To analyze characteristics and properties of two and three dimensional geometric shapes. CO2-To develop mathematical arguments about geometric relationships. CO3-In Geometry and its applications in real world.
6	CALCULUS OF FINITE DIFFERENCES AND NUMERICAL ANALYSIS - II	Students will acquire knowledge about CO1-Numerical techniques used as powerful tools in scientific computing. CO2-Numerical Differentiation, Numerical Integration and Difference Equations.
7	INTEGRAL CALCULUS	Students will acquire knowledge about CO1-Integration and its geometrical applications, double , triple integrals and improper integrals. CO2-Vector Differentiation and Vector Integration.
8	DIFFERENTIAL EQUATIONS	Students will acquire knowledge CO1-About the methods of solving Ordinary and Partial Differential Equations. CO2-To introduce Differential equations as a powerful tool in solving problems in Science
9	MATHEMATICAL STATISTICS I	Students will acquire knowledge of CO1-The laws of Probability and Baye's theorem. CO2-Measures of Location , Dispersion, Correlation and Regression. CO3-The Discrete and Continuous Probability Distributions.
10	TRANSFORM TECHNIQUES	Students will acquire knowledge CO1-About Laplace Transforms and its inverse. CO2-To apply Laplace Transform in solving Ordinary Differential Equations with constant coefficients, simulatneous Ordinary Differential Equations. CO3-To solve problems in Fourier series and Fourier Transforms.



11	STATICS	Students will acquire knowledge about CO1-Particles Or body in rest under the given forces. CO2-Forces ,equilibrium of a particle and centre of mass of various bodies. CO3- To analyze force systems in plane and also in space. CO4- To determine the centroid of planes , centre of gravity of different mass of bodies and to evaluate the moment of inertia.
12	MATHEMATICAL STATISTICS II	Students will acquire knowledge CO1-To provide the foundation of statistical analysis used in various applications. CO2-Of Sampling methods, Tests of significance and Testing of Hypothesis.
13	ALGEBRAIC STRUCTURES	CO1-Students will acquire knowledge about the concepts of Sets, Groups and Rings.
14	REAL ANALYSIS I	Students will acquire knowledge to CO1-Apply Mathematical concepts and Principles to perform numerical and symbolic computations. CO2-Understand and perform simple proofs. CO3-Know how abstract ideas and rigorous methods in Mathematical Analysis can be applied to practical problems.
15	DYNAMICS	Students will acquire knowledge of CO1-The motion of bodies under the influence of forces. CO2-Rectilinear motions of particles, projectiles , impact and Moment of Inertia of Particles. CO3- To understand and use the basics of motion of particles, Vector functions and the Fundamental Law of Newtonian Mechanics.
16	DISCRETE MATHEMATICS	Students will acquire knowledge CO1-To apply tools and ideas in Mathematics for solving Applied Problems. CO2-To Evaluate Boolean functions and to express a logic sentence in terms of predicates , quantifiers and logical connectives.
17	PROGRAMMING LANGUAGE 'C' WITH PRACTICALS	Students will acquire knowledge CO1-About the basic concepts and structure of 'C' program. CO2-To write simple programs with Mathematical Applications.
18	LINEAR ALGEBRA	CO1-Students will acquire knowledge about the Vector Spaces, Dual spaces, Inner Product Spaces and Linear Transformations.

19	REAL ANALYSIS II	<p>Students will acquire knowledge about</p> <p>CO1-The Real Numbers and the Analytic Properties of Real valued functions.</p> <p>CO2-The Analytic concepts of Connectedness , Compactness, Completeness and Calculus.</p>
20	COMPLEX ANALYSIS	<p>CO1-Students will acquire knowledge about the basic ideas of analysis of Complex functions in solving complex variables.</p>
21	GRAPH THEORY	<p>Students will acquire knowledge</p> <p>CO1-To describe and apply some basic algorithms for graph.</p> <p>CO2-To model real world problems using graph theory.</p> <p>CO3-To improve proof writing skills</p>
22	OPERATIONS RESEARCH	<p>Students will acquire knowledge in</p> <p>CO1-Solving Linear Programming Problems.</p> <p>CO2-Sequencing the jobs to be carried out based on Cost Optimisation.</p> <p>CO3-Solving assignment and transportation problems and Queuing Theory Models.</p>

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>	
<b>Programme</b>	<b>B.A</b>
<b>Programme Outcomes</b>	
<b>PO1:</b> To educate the students in both the artifice and the use of the English language through the study of literature and other contemporary forms of culture.	
<b>PO2:</b> To provide students an academic environment, as an outset to the job scenario connecting with the outside world.	
<b>PO3:</b> Graduate students who are capable of performing research, analysis, and criticism of literary and cultural texts from different historical periods and genres	
<b>PO4:</b> Assist students in the development of intellectual flexibility, creativity, and cultural literacy so that they may engage in life-long learning	
<b>PO5:</b> Participate in critical conversations and prepare, organize, and deliver their work to the public	
<b>PO6:</b> Practice a deliberate writing process with emphasis on inquiry, audience, research, and revision.	
<b>PO7:</b> Evaluate genres of writing and write in appropriate genres and modes for a variety of purposes and audiences	
<b>PO8:</b> To assist students in the development of intellectual flexibility, creativity, and cultural literacy so that they may engage in life-long learning.	
<b>PO9:</b> Students shall be able to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources	
<b>PO10:</b> Apply their understanding of the various types of literary criticism in the interpretation of a literary work and presenting their career with accomplished motives	
<b>Specific Programme</b>	<b>English</b>
<b>Programme Specific Outcomes</b>	
<b>PSO1:</b> It helps students explore how writers use the creative resources of language-in fiction, poetry, nonfiction prose, and drama-to explore the entire range of human experience.	
<b>PSO2:</b> Students are expected to strive, to be imaginative, rhetorically dexterous, and technically proficient and as a result, to gain a deeper insight into life.	
<b>PSO3:</b> Students will gain awareness about the best literary traditions of the world.	
<b>PSO4:</b> How reading literature in English can be an effective means to address the complex issues of identity, nationalism, historical tradition in Indian context, is a new focus area of the present course.	
<b>PSO5:</b> Students gain an understanding of the relations between culture, history and texts.	
<b>PSO6:</b> How a literary text can appear as an ideal platform to locate dominant and marginalized voices of a society, is an important focus of the under-graduate literature programme.	
<b>PSO7:</b> Literary course, helps a student to gain subjective experience of the text's aesthetic value	

**PSO8:** Learning various language patterns, sentence structures and dialogue forms can help one in real life in effectively communicating with others. English is the language of science, computers, diplomacy, and tourism.

**PSO9:** Literature course teaches a student to believe that one's own sense of identity is not enough to persuade the rest of the world to agree.

**PSO10:** Literary course, helps a student to gain subjective experience of the text's aesthetic value. This helps in developing quality of thinking and imagination and is a step forward to emerge as a better human being.

### Course Outcomes

S.No	Subject Name & Subject Code	Course Outcomes
1	Core Paper- 1 British Literature I AG21A	CO1: Trace the rich legacy of English Literature
		CO2: Understand prominent English writers and their style from the 16th to 18th century
		CO3: Recollect English poetry from the Elizabethan to the Restoration
		CO4: Analyse the themes and styles in English poetry, drama and fiction written
		CO5: Assess different works of the same authors and compare different authors of the same literary period.
2	Core Paper- II Shakespeare AG21B	CO1: Recollect features of the Elizabethan theatre
		CO2: Trace life and works of Shakespeare
		CO3: Describe significant features of Shakespeare
		CO4: Analyse themes, Language and literary elements in Shakespearean play
		CO5: Describe the important scenes from Shakespeare's play
3	Allied Paper- I Background to the study of English Literature I- AG31A	CO1: Trace the classification in English drama
		CO2: Understand different forms of poetic techniques
		CO3: Describe influence of Bible and period of Renaissance
		CO4: Recollect Elizabethan and Jacobean drama
		CO5: Understand 17th century dramatic style
4	Core Paper III British Literature II - BRA2A	CO1: Trace the impact of revolution on the English society
		CO2: Recall different movements, Reform Bill and the spread of education
		CO3: Understand the turning point of growth of English essay
		CO4: Analyse and interpret the poetry of the 18th and 19th century
		CO5: Describe the important works of main stream writers of 18th and 19th century drama and fiction

5	Core Paper IV Regional Indian Literature in Translation- BRA 2B	CO1: Recollect the significance of Indian Aesthetics
		CO2: Explain the basic concept of Indian Literature
		CO3: Trace the impact of English on Indian society and Literature
		CO4: Trace the impact of Indian poetic style of 18th and 19th century
		CO5: Understand the challenges in translating a text
6	Allied Paper II - Background to the study of English Literature II BRB2B	CO1: Understand the background and concept of British Literature of 18th, 19th and 20th century
		CO2: Brief notes on literary forms
		CO3: Relate aspects of literary forms with their corresponding authors
		CO4: Analyse the themes, techniques and styles used in literature
		CO5: Trace the genres of novels
7	Core Paper V- British Literature III - BRA3A	CO1: Trace the impact of world wars on English society and literature
		CO2: Describe labour movement and great depression
		CO3: Recognize the representative writers of the 20th century
		CO4: Effects of World Wars in Literature
		CO5: Social Reflection in Literature
8	Core Paper VI- Modern English Language and Usage - BRA3B	CO1: Trace an outline history of English Language
		CO2: Recall Language and regional variation
		CO3: Analyse the difficulties in the usage of English Language for the II language users
		CO4: Assess Language for specific speech events
		CO5: Understand English language in the Internet era and online resources
9	Allied Paper III - Myth and Literature -I BRB3A	CO1: Understand the origin of myth and legends
		CO2: Recollect the development of Greek and Roman mythology
		CO3: Describe Celtic mythology and Arthurian Legends
		CO4: Trace the Indian Mythology and Epics
		CO5: Analyse the Indian Puranas and Vedas

10	Core Paper III- American Literature	CO1: Trace the American war of Independence
		CO2: Recall the origin and history of American Literature
		CO3: Understand the American Puritians and significance of transcendentalism and Abolition of slavery using prescribed text
		CO4: Assess the themes, cultural and historical movements in prescribed text
		CO5: Recognise the representative writers of the American Literature
11	Core Paper VIII- Film and Literature - BRA4B	CO1: Understand the concept of film form
		CO2: Analyse the significant terms used in film
		CO3: Adaptation of British Literature in films
		CO4: Understand the components of a film
		CO5: Recollect the different genres of film
12	Allied Paper IV - Introduction to the Study of Language and Linguistics-I BRB4A	CO1: Trace the origin of spoken and written language
		CO2: Recollect properties of human language
		CO3: Study the definition, nature and scope of Linguistics
		CO4: Learn the basics of English phonetics and phonology
		CO5: Describe different approaches of grammar, word and syntax
13	Semester V-BRA5A- American Literature	CO1: The students will be introduced to various concepts like puritanism and transcendentalism
		CO2: It gives the glimpse of American Literature, Culture, Theory and the Renaissance
		CO3: Students will have an awareness of the social, historical, literary elements by identifying and describing distinct literary characteristics of American Literature
		CO4: Students learn the literary works of eminent American writers.
		CO5: Analyse the text and concepts of American Literature

14	Part III Core paper X BRA5B Post Colonial Literature in English Australian Literature	CO1:To Hone the students with a coherent knowledge and a critical understanding of postcolonial literature and its key historical, cultural and theoretical developments.
		CO2 Students will be able to compare, discuss and explain interconnections and functions of postcolonial literature and its contexts, including comparative and interdisciplinary texts
		CO3:Be able to critically evaluate arguments and assumptions about Australian literature, texts, and modes of interpretation.
		CO4:To make students aware of the Australian Traditions and Aboriginal writings, Bush culture and convictism.
		CO5:To have clear picture of the concepts of identity, displacement assimilation and nationhood.
15	Part III Core paper IV BRA5C Women's writing	CO1:To make students learn how and on what grounds women's writings can be considered as a separate genre.
		CO2:To analyse the concepts involved in canonical texts written by Women writers across the countries.
		CO3: To ensure their understanding in the differentiation between sex and gender and how the later is a social construction.
		CO4:Make students aware about the issues and concerns of the women writers of the developed, developing and under-developed countries.
		CO5:Accomplishing oneself with the theoretical concepts of feminism,patriarchy,gender aspects associated within the society
16	Core Paper VI- BRA5B Introduction to Literary theories	CO1:To ensure that the students imbibe a thorough knowledge of the history of literary criticism and various literary theories.
		CO2:To train students apply critical and theoretical intellectualism of vocabulary to describe ,analyze and formulate an argument about literary and other texts.
		CO3:Think about the of meaning of literay terms like structuralism and post-structuralism,modernism,post-modernism etc.
		CO4:To Develop the skill of applying various literary techniques like psycho analytic criticism, New historicism and Marxism that ensures the students for a complete outlook of literature.
		CO5: To Develop a skill in applying various literary techniques like psycho analytic criticism ,New historicism and Marxism that ensures the students for a complete outlook of literature.

17	Elective Paper I BRE5A Introduction to Translation Studies	CO1:To embark the student to feel various methods employed to identify shared features of various literatures and to equip him/her to make comparative and contrastive analysis of literary texts.
		CO2:To appreciate the student to gather various methods employed to identify shared features of various literatures and to equip him/her to make comparative and contrastive analysis of literary texts
		CO3: To demonstrate and interpret the comparative study of two translations of thirukural by G.U.Pope and Rajaji.
		CO4:Students are enunciated with comparative studies in translations and acquainted with future scope of translation and culture
		CO5:Issues in translation make them understand the concept of decoding and recoding features.
18	Semester VI-Core paper VIII BRA6A Contemporary Literature	CO1:Demonstrate an understanding of how 21st century culture,trends and historical events
		CO2:Students will be familiar with the various genres of structure,meaning and correct terminology
		CO3:Students will read, discuss, and write about literature by authors who have significantly influenced contemporary literature and analyze formal features/developments and historical contexts to inform their understanding of these literary works.
		CO4: Students will participate in classroom discussions, write short essays, give presentations, and complete other projects as assigned.
		CO5: Students analyse the formal features/developments and historical contexts by understanding of literary works
19	Core Paper XIV - BRA6B Post ColonialLiterature II Canadian Literature	CO1:It allows the students to interpret and ensure various key points of Canadian Literature
		CO2:The novels chosen will also be explored in relation to their relevance to Canadian culture.
		CO3:Interpret the selected literary pieces with emphasis on Canadian poetries.Identify how the author writes for various audiences
		CO4:Recognize the structure of the literary piece, with emphasis on plot structure.
		CO5:Key literary terms and events will be discussed for each novel, including questions for each literary piece.



20	Core Paper XV - BRA6C Shakespeare	CO1:Describe the various nuances and writing styles of Shakespeare's drama and theatre masterpieces
		CO2:Identify the major literary characters of Shakespeare and involving the students to roleplay the characters
		CO3:Broadspectrum of analysis of Shakespearean characters in film and literature
		CO4:Understand the salient features of Elizabethan period on the outset of Renaissance in selected plays and sonnets written by Shakespeare
		CO5:Determine ShAKESPEARE'S dialogues and writing style on literary aspects
21	Elective Paper II- BRE6A World Literature in Translation	CO1:Recognize poetry from a variety of cultures, languages and historic periods of World Literature
		CO2:Students gain a thorough knowledge of the world genres in various languages enhancing a broad spectrum of abroad cultures
		CO3:It enables the students to gather knowlege of ancient languages of literary works and get comparitive outlook of the one in other cultures
		CO4:Conceptualize various types of drama,tragedy thereby gaining better acknowledgement of theatre which enables them to implement in their career
		CO5:Examine the theories involved in socio-historic and cultural context of world literatures
22	Elective Paper III- BRE6BJournalism	CO1:Students are made acquainted with the history of Press and mass media
		CO2:Students will be able to understand the concept of a reporter ,editor,compiling article,media components and exposure to mass media therby honing them to job
		CO3:Students would gain knowledge about contempt of court,copyrights law and social understanding
		CO4:Providing the skill of interwieving,editing,and honing research tools on photography
		CO5:Anayse and interpret the ideals of creative writing and explore the competitive world within the tools of journalism

Programme Outcomes, Programme Specific Outcomes & Course Outcomes		
Programme	BA	
<b>Programme Outcomes</b>		
PO1:Competitive Exams (UPSC, TNPSC. etc., )		
PO2: Media Field		
PO3: Translators		
PO4:Educators		
PO5:Tourism Management and Hospitality		
PO6:Journalism		
PO7:Skill based trainers		
Specific Programme	Tamil	
<b>Programme Specific Outcomes</b>		
PSO1: மத்திய, மாநில அரசின் வேலைவாய்ப்புக்கு பயன்பட கூடிய பாடத்திட்டம் Competitive Exams (UPSC, TNPSC. etc., )		
PSO2: அச்சு, காட்சி ஊடகங்களில் பணியாற்ற கூடிய வாய்ப்புகள் Media Field		
PSO3: இதழ்த்துறைகளில் செயலாற்றலாம் Journalism		
PSO4: மொழிபெயர்ப்பு துறையில் பணியாற்ற உகந்த மொழி இலக்கியத்துறை Translators		
PSO5: ஆசிரியர், பேராசிரியர் பணிகளுக்கு மாணவர்களை தயார் செய்தல் Educators		
PSO6: மொய்ப்புப் பணிகளைக் கற்றுக்கொடுத்தல் Proof reading		
<b>Course Outcomes</b>		
S.No	Subject Name & Subject Code	Course Outcomes
1	இக்கால இலக்கியம்-1	CO1: பாரதியின் கவித்திறனை புரிந்துகொண்டர்
		CO2: மு.வ நூலில் விவசாயிகள் நிலை,அறம் செய்தல் ,போன்ற நற்பண்புகளை உணர்ந்துகொண்டனர்.
		CO3:லிமரைக்கூ படத்தில் சமுதாயநிகழ்வுகளை புரிந்து கவிதை எழுத கற்றனர்.
		CO4:., உவமை உருவக அமைப்பு முறைகளை அறிந்து கொள்ளல்
		CO5:பக்தியின் சிறப்புகளை மாணவர்கள் அறிந்துகொள்வதற்கு பயனுள்ள வகையில் இருந்தது.
2	நன்னூல் ( எழுத்து)	CO1: தமிழுக்கு அடிப்படையான முதல், சார்பெழுத்துக்களை மாணவர்கள் அறிந்து கொள்ள செய்தல்
		CO2: முதலெழுத்து, சார்பெழுத்துப் பிறக்கும் முறைமையை அறிய செய்தல்
		CO3:எழுத்துக்கள் ஒலிக்கச் கூடிய கால அளவை மாணவர்கள் அறிய செய்தல்
		CO4: நிலைமொழி வருமொழி புணர்ச்சி விதிமுறைகளை மாணவர்களுக்கு அறி செய்தல்
		CO5: வடமொழிச் சொற்களை தமிழாக்கம் செய்யும் முறைமையை மாணவர்களுக்கு அறிய செய்தல்

3	தமிழக வரலாறும் பண்பாடும்-1	CO1:தமிழர்களின் நாகரீக தொன்மங்களை அறிந்து கொண்டனர்
		CO2:சிந்து சமவெளி நாகரிகத்துடன் தமிழர்க்கு உள்ள தொடர்பை அறிந்து கொள்ளுதல்
		CO3:தமிழர்கள் அயலநாட்டினருடன் கொண்ட வாணிபத் தொடர்பை அறிதல்
		CO4:மன்னர்களின் ஆட்சி முறைகளை அறிதல்
		CO5:ஆரியர்கள் வருகையால் தமிழகத்தில் நிகழ்ந்த மாற்றங்களை அறிதல்
4	இக்கால இலக்கியம்-2	CO1: படைப்பாற்றலின் நுட்பத்தை அறிதல்
		CO2:தனிமனிதனுக்கும் சமூகத்திற்குமான உறவு நிலை குறித்த புரிதலை உருவாக்குதல்
		CO3:மாணவர்களிடம் படைப்பாற்றலை வளர்த்தல்
		CO4:தற்கால மனித வாழ்க்கை நிலைகளைப் புரிந்து கொள்ளுதல்.
		CO5:தற்கால தமிழ் இலக்கியப் போக்கைப் புரிந்து கொள்ளுதல்
5	நன்னூல் ( சொல்)	CO1:சொல் வகைகளை அறிதல்
		CO2:வேற்றுமை, வேற்றுமை மயக்கத்தின் தன்மையை உணர்த்தல்
		CO3:உரிச் சொற்களை அறிதல்
		CO4:சொற்களைக் கையாளும் திறனை அறிதல்
		CO5:தொகைநிலைத் தொடர், தொகாநிலைத் தொடர்களை அறிதல்
6	தமிழக வரலாறும் பண்பாடும்-2	CO1 19 ஆம் நூற்றாண்டின் அரசியல் தமிழகத்தின் சமூகநிலை அறிதல்
		CO2: ஐரோப்பிய வருகையால் தமிழகத்தில் நிகழ்ந்த மாற்றங்களை அறிதல்
		CO3: பாண்டியரின் ஏற்றமும் வீழ்ச்சி பற்றி அறிதல்
		CO4: சோழர்காலத்தில் தமிழரின் சமுதாயம் பற்றி அறிதல்
		CO5: நாயக்கர்கள் ஆட்சி முறைகளை அறிதல்
7	நம்பியகப்பொருள்	CO1: திணைப் பாகுபாட்டின் அடிப்படையில் வாழ்வியலைப் பிரித்து வாழ்ந்ததை அறிதல்
		CO2:களவிற்குரிய இலக்கணத்தை அறிதல்
		CO3:களவு வாழ்க்கையை கற்பு நெறிக்குக் கொண்டு செல்லும் விதத்தை அறிதல்
		CO4:அகப்பொருளின் இலக்கணத்தை அறிதல்
		CO5:சங்க கால காதல் நிலையை அறிதல்

8	சமயப் பாடல்களும் சிற்றிலக்கியங்களும்	CO1: சமய நல்லிணக்கங்களை அறிய முடிகிறது
		CO2: சமய சான்றோர்களின் வழிபடி வாழ்வை வழி நடந்த முடிகிறது
		CO3: நாயர்மார்கள், ஆழ்வார்கள் வாழ்வியலை அறிய செய்தல்
		CO4: பெற்றதையும், கற்றதையும் சமய சான்றோர்களின் வழி அறிய செய்தல்
		CO5: வாழ்வியல், பண்பாடு, கலாச்சாரம் ஆகிய கூறுகளை அறிய செய்தல்
9	தமிழ் இலக்கிய வரலாறு -1	CO1: முச்சங்க வரலாற்றை அறிதல்
		CO2: தமிழர்கள் வாழ்வில் பின்பற்றிய அறங்களை அறிதல்
		CO3: சங்க காலம் பொற்காலம் என்பதை அறிதல்
		CO4: தமிழர்களின் பக்தி நிலையை அறிதல்
		CO5: அயல் நாட்டில் தோன்றிய காப்பியத்திற்கு நிகராக தமிழில் தோன்றிய காப்பியத்தை அறிதல்
10	புறப் பொருள் வெண்பாமாலை	CO1: புறப்பொருளுக்கான இலக்கணத்தை மாணவர்கள் அறிய உதவுகிறது
		CO2: தமிழர்களின் புகழ், வீரம், கொடை போன்றவற்றை மாணவர்கள் அறிந்து கொள்ள முடிகிறது
		CO3: தமிழர்களின் அக்காலத்தின் அரசியல் நிலைமைகளை அறிந்து கொள்ள முடிகிறது
		CO4: தமிழர்களின் நம்பிக்கை,வழிபாடு, போர்முறை ஆகியவற்றை மாணவர்கள் அறிந்து கொள்ள முடிகிறது
		CO5:தமிழர்களின் போர் அறம் எடுத்துரைக்கப்படுகிறது.
11	காப்பியங்கள்	CO1:தமிழ் இலக்கிய மரபில் காப்பியங்களின் வகை பற்றி அறிதல்
		CO2:தமிழ்க் காப்பிய மரபினை விரிவாக அறிந்து கொள்ளுதல்
		CO3:ஐம்பெருங்காப்பியங்கள் - ஐஞ்சிறுங்காப்பியங்கள் குறித்த செய்திகளை அறிந்து கொள்ளுதல்
		CO4:நீதி ஒழுக்கம் முதலிய அற ஒழுக்கங்களைப் பேணுதல்
		CO5:தமிழர்களின் வாழ்வியல் முறைகளைக் காப்பியங்கள் வழி அறிந்து கொள்ளுதல்
12	தமிழ் இலக்கிய வரலாறு -2	CO1: இலக்கியங்களில் விளிம்பு நிலை மக்களின் வாழ்க்கையை அறிதல்
		CO2: தமிழகத்தின் பிற்கால சமய தத்துவப் போக்குகளை அறிதல்
		CO3: இலக்கியங்களின் வழி தமிழ் இசை, நாடக வரலாற்றை அறிதல்
		CO4: தமிழ் இலக்கியத்தின் உலகளாவியத் தன்மையை அறிதல்
		CO5: தற்காலத் தமிழ் இலக்கியப் போக்குகளை அறிதல்

13	சங்க இலக்கியம்- அகம்	CO1:சங்க கால மக்களின் வாழ்வியலை அறிதல்
		CO2:சங்க இலக்கியச் சொற்பயன்பாட்டை ஆராய்தல்
		CO3:புலவர்களுக்கும் மன்னர்களுக்குமான உறவு நிலையை அறிதல்
		CO4:காதலும் போரும் சங்க இலக்கியத்தின் வெளிப்பாடு என்றுணர்தல்
		CO5:திணை வகைப்பாட்டினை ஆராய்தல்
14	யாப்பருங்கலக் காரிகை	CO1: அசைக்கு உறுப்பாகும் எழுத்துகளை அறிதல்
		CO2: சீர் வகைகள், வாய்பாடுகள், தளை, தொடை, தொடை வகைகளை அறிதல்
		CO3: பா வகைகளின் இலக்கணங்களை அறிதல் - செய்யுள் இயற்ற பயிற்சி பெறுதல்
		CO4: பாவினம், இனவினங்களின் வகை தொகைகளை அறிதல்
		CO5: தமிழ் இலக்கிய மரபில் தோன்றியுள்ள இலக்கியங்களை உரிய வகையில் அறிந்துகொள்ள யாப்பியல் மிகவும் பயன்பெறும்
15	தமிழின் செம்மொழி பண்புகள்	CO1:தமிழின் தொன்மையை அறிதல்
		CO2:தமிழின் இலக்கண வளங்களை அறிதல்
		CO3:நடுவு நிலைமை பெற்று விளங்குதல்
		CO4:கலை இலக்கியத் தனித்தன்மை வெளிப்பாடு
		CO5:உயரிய சிந்தனைகளை வளர்த்தல்
16	இலக்கிய திறனாய்வு	CO1: இலக்கியப் படைப்பின் நுட்பங்களைப் புரிந்துகொள்ளுதல்
		CO2: திறனாய்வு அணுகுமுறைகளை அறிதல்
		CO3: தமிழ்த் திறனாய்வு வரலாற்றை அறிதல்
		CO4: இலக்கியங்கள், பிற துறைகளுக்கு இடையிலான உறவுகளைப் புரிந்து கொள்ளுதல்
		CO5: இலக்கியம், திறனாய்வு, மனித விழுமியங்கள் = உறவுகளை அறிதல்
17	இதழியல்	CO1:செய்திகள் எவ்வாறு உருவாகி மலர்கின்றன என்பதை அறிதல்
		CO2: ஆற்றல் மிக்க இதழியலின் அவசியத்தை உணர்ந்து பயன் பெறுதல்
		CO3: நாளைய செய்தி வாசிப்பாளராகவும் செய்தி அறிவிப்பாளராகவும் உருவாக உதவும்
		CO4: விளம்பரங்களின் உருவாக்கம் பற்றி அறிதல்
		CO5:மக்களுக்கும் ஆட்சியாளர்களுக்கும் இடையில் செய்திகளைத் தெளிவாக கொண்டுசெல்லும் ஊடகமாக இதழ்கள் விளங்குவதை மாணவர்கள் உணர முடிகிறது.

18	சங்க இலக்கியம்- புறம்	CO1: சங்க கால மன்னர்களின் வரலாறை அறிந்துகொள்ள முடிகிறது
		CO2: மூவேந்தர்கள் மற்றும் குறுநில மன்னர்களோடு புலவர்கள் கொண்டிருந்த தொடர்பு உரிமை ஆகியவற்றை மாணவர்கள் அறிய முடிகிறது.
		CO3: பழங்காலத்தில் இருந்துவந்த போர்முறைகள் பற்றி அறிய முடிகிறது
		CO4:உலகில் செம்மாந்து நிற்கும் தமிழனின் வீரம், ஒழுக்கம், பண்பாடு ஆகியவற்றை மாணவர்கள் அறிந்து கொள்ள முடிகிறது
		CO5: மக்களின் வறுமையை ஒழிக்க மன்னர்கள் ஆட்சியதிகாரத்தில் இருந்தவர்கள் கொண்டிருந்த கொடை குணம் பற்றி அறிய முடிகிறது.
19	தண்டி அலங்காரம்	CO1:அணியிலக்கணம் பற்றி அறிதல்
		CO2:தண்டி ஆசிரியர் பற்றி அறிதல்
		CO3:காப்பிய இலக்கணம் அறிதல்
		CO4:அணிகளின் வகைகளை அறிதல்
		CO5:உரைதரு நூல்களில் ஒன்று.
20	திராவிட மொழிகளின் ஒப்பிலக்கணம்	CO1: திராவிடம் என்கிற சொல்லாடல் மொழியின் ஊடாக எவ்வாறு நகர்ந்துள்ளது என்பதை அறிதல்
		CO2: வரலாற்று மொழியியல், ஒப்பு மொழியியல் எனப் பாகுபடுத்தி மொழி உறவுகளைக் கண்டறிதல்
		CO3: மூல மொழியைக் கண்டறிய செய்தல்
		CO4: மொழியின் கூறுகளை அடிப்படையாகக் கொண்டு முதல் மொழி தமிழ் என அறிய செய்தல்
		CO5: திராவிட மொழிகளின் ஊடாக இலக்கணத்தை அறிய செய்தல்
21	நாட்டுப்புறவியல்	CO1:நாட்டுப்புற மக்களின் கலை இலக்கியங்களைப் பற்றி மாணவர்கள் அறிந்துக் கொள்ள உதவுகிறது.
		CO2: நாட்டார் மக்களின் வட்டார வழக்காறுகளை அறிதல்
		CO3: நாட்டார் மக்களின் தொழில் முறைகளை கண்டறிய செய்தல்
		CO4: வழிபாடு, சடங்கு, நம்பிக்கை போன்றவற்றை அறிய செய்தல்
		CO5: நாட்டார் மக்களின் வாழ்வியல் கூறுகளை அறிய செய்தல்
22	அடிப்படைக் கணிணியியல்	CO1:கணிப்பொறி தொடர்பான செய்திகளைத் தமிழில் அறிந்து கொள்ளுதல்
		CO2: தமிழியலுக்கு அடிப்படையான மென் பொருள்களை அறிதல் (உ.ம்) word, power point, etc,
		CO3:தமிழில் உள்ள எழுத்துருக்களை முறையாகப் பயன்படுத்தும் முறை பற்றி அறிதல்
		CO4:நவீன தொழில்நுட்பங்களைத் தமிழ்மொழியிலேயே அறிந்துகொள்ளுதல்
		CO5: தமிழில் உள்ள மென்பொருள்களின் தேவை மற்றும் அவற்றை துறைசார்ந்த பணிகளுக்காகப் பயன்படுத்த அறிந்து கொள்ளுதல்

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>	
<b>Programme</b>	<b>B.A</b>
<b>Programme Outcomes</b>	
PO1: To educate the students in the process of criminal justice system of India	
PO2: Ability to understand the modus operandi of crimes and the variations involved in it	
PO3: Develop and use criminological imagination to think about problems of crime and justice in new ways, going beyond everyday understandings	
PO4: Apply appropriate methodologies in order to conduct analysis and detect patterns of crime and victimization	
PO5: Students will apply research findings to hypothetical or real case study situations in the practice of criminology and criminal justice.	
PO6: Development of critical thinking, ethical decision making	
PO7: Students will develop and apply a personal understanding of diversity and the way it impacts work in criminology and criminal justice.	
PO8: Possess knowledge of values and beliefs of multiple cultures to understand crimes against women, children	
PO9: Ability to understand the global perspectives	
<b>Specific Programme</b>	<b>Criminology &amp; Police Administration</b>
<b>Programme Specific Outcomes</b>	
PSO1: Ability to be a Skilled communicator as he/she understands and reciprocates the concepts and issues dealt under Criminology through efficient writing and oral skills	
PSO2: Ability of a Criminology student to understand and apply jobs related to criminal law, Indian Penal Code, Code of Criminal Procedure and Indian Evidence Act.	
PSO3: Ability to develop successful career in research and development, teaching, correctional institutions, security management, private investigation,	
PSO4: Ability to also develop career in disaster management, non-governmental organizations, victim assistance programmes, , after-care programs, criminal justice administration,	
PSO5: Students will be able to Recognize and explain macro-social inequities in crime and criminal justice processes by race, social class, gender, region and age.	
PSO6: ability to Locate and consult works in the area to produce a research paper that is coherent, cogent, and attentive to conventions of the field.	
PSO7: ability to Apply theories of crime and criminal justice to explain actual and hypothetical scenarios, behaviors, and trends	

Course Outcomes		
S.No	Subject Name & Subject Code	Course Outcomes
1	Fundamentals of criminology	CO1: The different schools of Criminology and critically identify the contribution of each school
		CO2: Different typology of criminal behaviour like dossier criminal, habitual offenders, professional criminals, etc
		CO3: History, origin, scope and definition of crime, its relevance in the present scenario and its relation to other social sciences.
		CO4: Explains the different concepts and methods of crime prevention
2	Criminal justice system	CO1: Understanding the concept and purpose of criminal justice system
		CO2: Knowledge regarding the historical development of police system, organization, structure and functions of police.
		CO3: salient features of the Indian judicial system, its functions, structure and powers of the court
3	Society and social problems	CO1: Analyse the scope of sociology, social control, forms of groups and their role. CO2: Describe the scope of various social institutions such as religion, family, marriage CO3: Examines the social problems like inequality, untouchability
4	Vigilance and security management	CO1: Examines the various dynamics of security aspects such as security of humans, information security and computer-based financial frauds
		CO2: Describe the various types of security management like access control system, alarm system
		CO3: Understanding the concepts and theories of risk management, planning, emergency reactions, specific security systems
5	Principles of psychology	CO1: Explain the nature, concept, types and theories of motivation. Also understands frustration and its source.
		CO2: Perception and learning in the light of various psychological theories.
		CO3: Explains the concept of personality and its development and Brings out the growth and organisation of personality, its theories and assessments
		CO4: Describes the concept of abnormality and various types of psychological disorders
6	Special law	CO1: Explains local and special laws
		CO2: Understanding the concept of all acts like Protection of Civil rights Act; Prevention of Atrocities Act, 1989 etc
		CO3: Process of how a law or an act is made



7	Human rights and criminal justice administration	CO1: Explaining the concept of human rights - Definition, Theories, forms & types of Human Rights
		CO2: Understanding the core concept of indian constitution
		CO3: Examines Human rights violations of Women, Children, Minorities, Refugees, SC/STs, Elderly people
8	Social problems	CO1: Analyse the scope of sociology, social control, forms of groups and their role.
		CO2: Describe the scope of various social institutions such as religion, family, marriage
		CO3: Examines the social problems like inequality, untouchability, poverty, illiteracy, female genital mutilation, female infanticide and foeticide
		CO4: Explains developmental issues such as constitutional categories, minority groups, reservation policy and economically disabled groups
9	Fundamentals of statistics	CO1: Understanding the crime statistics; problems in the use of statistics, source of crime statistics
		CO2: Concept of statistical inference
		CO3: Application of SPSS in doing criminological research analysis
10	Prison administration	CO1: Examining the various organizations of correctional institutions, its classifications, role of judiciary and the treatment.
		CO2: Understanding the role of institutional corrections in the prevention of crime and treatment of offenders.
		CO3: Concept of correction, its definition, perspectives and theories.
11	Cyber crimes	CO1: Understanding the concept of cyber crime and cyber crime investigation
		CO2: Examine the various dynamics of security aspects such as security of humans, information security and computer-based crimes
		CO3: Prevention and detection of cybercrime, Cyber Policing, Practices for Cyber Crime Investigation
12	Guidance and counseling	CO1: Learning the concept and techniques of counseling
		CO2: Understanding of theories and models of multicultural counseling
		CO3: Understanding of ethical standards of professional counseling organizations and applications of ethical & legal considerations in professional counseling
13	Practical I- field visit	CO1: To understand and get physical experience about the structure of court, police station, fire station, central jail
		CO2: To get hands-on experience
		CO3: To understand the concept of report writing about a visit

14	Police administration	CO1: Learning the concept, history, evolution and structure of police
		CO2: Understanding the methods of investigation, police investigation procedure
		CO3: Learning the procedure of training and recruitment
15	Police station management	CO1: Learning the concept of police station routine, records administration
		CO2: Understanding the concept of records related to offender
		CO3: Core concepts of functions of police station
16	Practical-II - out door training - I	CO1: Understanding the importance of physical fitness
		CO2: Learning Rope, Push-ups, Equestrian (Horse riding) Sit-ups, swimming
17	Community policing	CO1: Understanding the concept of community policing and crime prevention
		CO2: Learning community policing models of different countries
		CO3: Understanding the strategies of problem solving
18	Contemporary forms of crime	CO1: Analyse the emergence, concept, nature and scope of contemporary forms of crime.
		CO2: History, hierarchal organizational structure, patterns and characteristics of organized crime.
		CO3: Examination of the evolution, causes, types, characteristics and socioeconomic offences of white-collar crime.
		CO4: Accuracy in explaining the globalization of crime, history, causes and consequences of terrorism.
19	Practical III- Advanced outdoor training	CO1: Learning Drill – Command & Control (Saluting without arms & with Arms / Cane, squad drill with/without arms)
		CO2: Learning the importance of physical fitness

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>	
<b>Programme</b>	<b>B.S.W</b>
<b>Programme Outcomes</b>	
<p>PO1: Identify as a professional social worker and conduct oneself accordingly.</p> <p>PO2: Apply social work ethical principles to guide professional practice.</p> <p>PO3: Apply critical thinking to inform and communicate professional judgments.</p> <p>PO4: Engage diversity and difference in practice.</p> <p>PO5: Advance human rights and economic justice.</p> <p>PO6: Engage in research-informed practice and practice-informed research.</p> <p>PO7: Apply knowledge of human behavior and the social environment.</p> <p>PO8: Engage in policy practice to advance social and economic well-being and to deliver effective social services.</p> <p>PO9: Respond to contexts that shape practice.</p> <p>PO10: Engage, assess, intervene, and evaluate with individuals, families, groups, organizations and communities.</p>	
<b>Specific Programme</b>	<b>Social Work</b>
<b>Programme Specific Outcomes</b>	
<p>PSO1: Ability to advocate for client access to the services of social work</p> <p>PSO2: Ability to recognize and manage personal values in a way that allows professional values to guide practice.</p> <p>PSO3: Ability to analyze models of assessment, prevention, intervention, and evaluation</p> <p>PSO4: Ability to gain sufficient self-awareness to eliminate the influence of personal biases and values in working with diverse groups</p> <p>PSO5: Ability to understand the forms and mechanisms of oppression and discrimination</p> <p>PSO6: Ability to use practice experience to inform scientific inquiry.</p> <p>PSO7: Ability to critique and apply knowledge to understand person and environment.</p> <p>PSO8: Ability to collaborate with colleagues and clients for effective policy action</p>	
<p>PSO9: Ability to provide leadership in promoting sustainable changes in service delivery and practice to improve the quality of social services</p>	
<p>PSO10: Ability to develop a mutually agreed-on focus of work and desired outcomes.</p>	

Course Outcomes		
S.No	Subject Name & Subject Code	Course Outcomes
1	<b>SOCIAL WORK PROFESSION- HISTORY AND PHILOSOPHY - BHA1A</b>	CO1: Clarity on the history and philosophy of Social Work and its emergence as a profession.
		CO2: How to comprehend its underlying ideologies, philosophical base, theories and approaches to practice.
		CO3: Clear understanding social work as a profession – its beliefs, values and principles
		CO4: Clarity and understanding of the various methods and fields of Social Work practice.
		CO5: Knowledge and understanding of current trends in Social Work practice.
2	<b>SOCIOLOGY FOR SOCIAL WORK - BHB1A</b>	CO1: Knowing Sociology as a discipline and its relevance for Social Work
		CO2: Knowledge of basic Sociological concepts about society, its structure and dynamics
		CO3: Being able to analyse the Indian Social system, Social Phenomena & Social problems
3	<b>FIELD WORK - I - BHA11</b>	CO1:Capacity to reflect over one’s own behaviour, and its effect on self and others and with the help of the facilitator, develop understanding of the same.
		CO2:Understanding, appreciation and the ability to critically evaluate the efforts of voluntary and overnment programmes.
		CO3: Understanding the significances of social work intervention in these programmes by recording
4	<b>SOCIAL WORK PRACTICE WITH INDIVIDUALS - BHA2A</b>	CO1: Knowledge about the various methods of Social Work practice
		CO2: Ability to identify the appropriate usages of the various methods in practice
		CO3: Complete knowledge in various models of Case Work.
5	<b>HUMAN GROWTH AND DEVELOPMENT - BHB2A</b>	CO1: Understanding the various principles of human development process
		CO2: Understanding of the developmental task
		CO3: Knowing the application of human growth and development principles for better social work interventions

6	<b>FIELD WORK - II - BHA21</b>	CO1:Knowing the skills of observation and an understanding of society's response to social problems through various services.
		CO2:Understanding and the ability to critically evaluate the efforts of voluntary and government programmes
		CO3: Being aware of the importance of social work intervention in these programmes by recording.
7	<b>SOCIAL WORK PRACTICE WITH GROUPS- BHA3A</b>	CO1: Having complete knowledge of the objectives, characteristics values of working with groups.
		CO2: Clear understanding of the significance of the methods and their uses in the Indian context and skills in social work practice.
		CO3: Application of skills to apply the methods of working with groups.
8	<b>HUMAN BEHAVIOUR - BHB3A</b>	CO1: Clear understanding of the basic concepts of human behavior.
		CO2: Having knowledge on psychological base of human behavior.
		CO3: Having insight on the individuals to become an effective social worker.
9	<b>FIELD WORK – III - BHA31</b>	CO1:Understanding of the rural social system with special reference to a specific poverty group
		CO2: Knowledge and understanding of government intervention in relation to poverty groups in the region and the related structures of decision-making and intervention
		CO3:Knowing the community, the needs and problems of the communities by preparing a community profile
10	<b>SOCIAL WORK PRACTICE WITH COMMUNITIES AND SOCIAL ACTION- BHA4A</b>	CO1: Understanding the community as a method, its specific approaches and models
		CO2: Gaining the ability to utilize appropriate approaches and skills to work with communities
		CO3: Being sensitive and commitment towards issues of marginalized and oppressed groups.

11	<b>ECONOMIC AND POLITICAL SYSTEMS AND PROCESSES - BHB4A</b>	CO1: Understanding the importance of economics and politics for social work.
		CO2: Understanding the Indian political and economic system and be able to examine problem situations in the field.
		CO3: To be aware of the performance of Five Year Plans in India and to realize the significance of economic & political aspects of planning.
12	<b>FIELD WORK – III - BHA41</b>	CO1: Understanding and sensitivity towards the needs and problems of individuals and families
		CO2: Knowledge in identifying 3 cases and how to draw up a face sheet
		CO3: Knowing to interact with different groups that exists in the community (Youth, Women, Children and Senior Citizens).
13	<b>SOCIAL WELFARE ADMINISTRATION - BHA5A</b>	CO1: Having an understanding of the administration process in the agency in the total frame of social work practice.
		CO2: Having the ability to apply the basic principles of social work to administration of social welfare and development agencies.
		CO3: Gaining a clear understanding of the procedures related to establishment and management of social welfare organization/agencies governmental and non-governmental
14	<b>GENERALIST PRACTICE OF SOCIAL WORK - BHA5B</b>	CO1: Knowledge on the Generalist Practice as a method of Social Work
		CO2: Being able to have a holistic perspective in Social Work practice
15	<b>SOCIAL WORK RESEARCH AND STATISTICS-BHA53</b>	CO1: Understanding of the nature, purpose and importance of social work research
		CO2: Acquireing research skills in conducting research by developing ability to prepare appropriate tools and collect, analyse and interpret data through appropriate tables
16	<b>SOCIAL DEVELOPMENT, POLICIES AND LEGISLATIONS-BHE5A</b>	CO1: Understanding the concept of development and development issues in India.
		CO2: Understanding the formulation and implementation of Social Policies in India.

17	<b>FIELD WORK - V - BHA51</b>	CO1: Learning to organise and conduct a programme based on the needs assessed
		CO2: Acquire skills in resource mobilisation
		CO3: Will know to identify groups in existence and study the functions/ activities of the group
18	<b>WOMEN DEVELOPMENT- ISSUES AND CONCERNS</b>	CO1: Understanding of Gender positions in society
		CO2: Knowing to comprehend the various domains of development and its impact on men and women
		CO3: Empowered with skills in social work practice for women's development
19	<b>1. SOCIAL ENTERPRISE MANAGEMENT</b>	CO1: Having an overview on Social Enterprise as a major sector
		CO2: Completely equipped with the skills and strategies that would empower them to become Social Entrepreneurs or take up Leadership/Managerial roles in social Enterprises
20	<b>FIELDS OF SOCIAL WORK</b>	CO1: Understanding regarding the macro level of practice in Social Work
		CO2: Gaining the skills to envisage, plan and work out strategies in working with different macro level interventions
21	<b>FIELD WORK - VI</b>	CO1: Knowing to record systematically using the Integrated Social Work process
		CO2: Knowledge on how to practice the Integrated Approach in specialised settings
		CO3: Gaining skills working with different client systems using the integrated approach in practice – integrating methods

<b>Programme Outcomes, Programme Specific Outcomes &amp; Course Outcomes</b>		
<b>Programme</b>		<b>BCOM ISM</b>
<b>Programme Outcomes</b>		
<b>PO1.COMMUNICATION:</b> Trained on personality development and communication skills and they are motivated to do research work through the term papers.		
<b>PO2.SPECILIZATION:</b> Imparts the computer and commerce knowledge,skills and produces well qualified computer professionals ,managers who can bring about qualitiative difference in this fields.		
<b>PO3.ETHICAL:</b> To impart knowledge,skills positive attitude and ethical values through innovative and interactive methods of learning.		
<b>PO4.TECHINICAL SKILLS:</b> Students acquire in-depth technical knowledge and practical application skills in all displines.		
<b>PO5:PROJECT MANAGEMENT:</b> Provide curricular and meta curricular opportunities to apply IT/Business leaderships skills in projects,clubs,discussion and competitions.		
<b>PO6.HIGHER EDUCATION:</b> Do higher studies in commerce and computer science		
<b>Specific Programme</b>		<b>Information System Management</b>
<b>Programme Specific Outcomes</b>		
<b>BCOM ISM</b>	<b>PSO1.</b> Demonstrate mastery of Information System Management in the following core knowledge areas	
	<b>Datastructures and Programming Languages</b>	
	<b>Understanding Financial Management and Accounting Techniques.</b>	
	<b>Maintains a good Industry and Institutional Interaction.</b>	
	<b>PSO2.</b> Apply problem solving skills and the knowledge of computer science to solve real world problems.	
	<b>PSO3.</b> Develop technical project reports and present them orally among the users	
<b>Course Outcomes</b>		
<b>S.No</b>	<b>Subject Name &amp; Subject Code</b>	<b>Course Outcomes</b>
1	FINANCIAL ACCOUNTING- BS21A	CO1:Understand the basic concepts of deprecation.
		CO2:Be able to develop an idea of investment accounts
		CO3:Be aware of the basic conventions on departmental accounts
		CO4:Develop basic idea of hire purchase and installment accounting
		CO5:Understand theprocedure followed inbranch of a business organization
2	INTERNET OF THINGS-BS21B	CO1:• Able to understand the application areas of IOT
		CO2:• Able to realize the revolution of internet in mobile Devices, Cloud & Sensor
		CO3:• Able to understand building blocks of internet of Things and characteristics.
		CO4:Able to understand the security concepts of IOT.
		CO5:Define the infrastructure for supporting IoT deployments



3	BUSINESS ECONOMICS-BS31A	CO1: To understand the concepts of cost, nature of production and its relationship to Business operations.
		CO2: To apply marginal analysis to the “firm” under different market conditions.
		CO3: To analyse the causes and consequences of different market conditions.
		CO4: To integrate the concept of price and output decisions of firms under various market structure.
4	BUSINESS COMMUNICATION-MAT2A	CO1: Understand the basic concepts of depreciation.
		CO2: Compose and revise accurate business documents using computer technology and communicate via email, Internet & other technologies.
		CO3: Deliver an effective oral business presentation.
		CO4: Utilize analytical & problem solving skills appropriate to business communication.
		CO5: Apply business communication strategies & principles to prepare effective communication for domestic & international business situations.
5	HUMAN RESOURCE MANAGEMENT-MAT2B	CO1: Demonstrate the basic understanding of various functions, concepts & practices of HRM
		CO2: Develop, implement & appraise strategies in recruitment selection, training & maintenance of HR.
		CO3: Do career planning by identifying & evaluating opportunities for themselves and for others.
		CO4: Design & manage HR department by introducing new practices & proper documentation.
		CO5: Respond to legal, ethical, gender & global issues in HRM.
6	DATA STRUCTURE-MBT2A	CO1: Describe the concepts of data structures
		CO2: Describe the concepts of stacks, queues & its applications.
		CO3: Describe the concepts of Linkedlist, Doubly linked list & its applications
		CO4: Describe the tree concepts & binary tree traversal
		CO5: Describe the concepts of graphs & its applications.
7	LOGISTICS AND SUPPLY CHAIN MANAGEMENT-MAT3A	CO1: To understand how Logistics, Supply Chain, Operations, Channels of Distribution fit in to various types of Business viz., Manufacturing, Service and Project
		CO2: Identify and Analyze Business Models, Business Strategies and, corresponding Competitive Advantage
		CO3: Plan Logistics operations for optimum utilization of resources
		CO4: Students will practice analytical business skills to address SCM challenges.
		CO5: Students will distinguish cross-functional business processes in supply chains.

8	PROGRAMMING IN C-MAT3B	CO 1: Implement different operations on Arrays.
		CO 2: Understand Pointers, Structures and Unions.
		CO3: Study the concept of C character set, identifiers and keywords, variable names.
9	C PRACTICAL-MAT31	CO1:Read, understand and trace the execution of programs written in C language.
		CO2:Write the C code for a given algorithm.
		arithmatic, and use the pre-processor.
		CO4:Write programs that perform operations using derived data types.
10	MARKETING MANAGEMENT-MAT3C	CO1:To know about the basic concepts and principles of marketing management
		CO2:Environmental factors affecting the marketing function
		CO3:Market segmentation & Marketing strategy
		CO4:To know about the Product mix and product life cycle phase
		CO5: To learn about the branding decisions and brand equity.
11	BUSINESS STATISTICS-MBT3A	CO1: To define statistics, primary & secondary data, diagrammatic, graphical Presentation
		CO2: To describe measures of dispersion, deviation & skewness
		CO3: To explain correlation, scatter diagram & co-efficient of correlation.
		CO4: To define time series, methods of estimating strand, index numbers
		CO5: To explain interpolation methods & probability.
12	MANAGEMENT INFORMATION SYSTEM-MAT4A	CO1 : Role of MIS in business and decision making
		CO2 : MIS support for different functions and Data base management systems
		CO3 : Input & output devices and its uses in modern business
		CO4 : EDI applications in business
		CO5: Auditing in Business.
13	OBJECT ORIENTED PROGRAMMING IN C++-MAT4B	CO1 : To know the OOPS Concepts
		CO2 : To explain the datatypes, operations, & functions of C++
		CO3 : To know the concept of constructors & destructors
		CO4 : To explain the concept of inheritance, polymorphism & virtual functions.
		CO5: To explain the types of streams, format I/O Operations..
14	C++ PRACTICAL-MAT41	CO1 : To Create a simple programs using array concept
		CO2 : Illustrate the usage of function overloading
		CO3 : Practical based on the concept of inheritance
		CO4 : implementation of constructor & destructor.
		CO5: illustration of virtual functions.

15	BUSINESS ENVIRONMENT- MAT4C	CO1 : To acquire knowledge about the different types of business organization
		CO2 : To study the business environment & environmental analysis
		CO3 : To Know about the role of service sector in business
		CO4 : Types of economy
		CO5 : To know about the role of GATT & WTO in the business
16	ELEMENTS OF OPERATIONS RESEARCH-MBT4A	CO1 : To acquire knowledge about the operation research
		CO2 : To solve the linear programming problem
		CO3 : To describe the methods of LPP,graphical & simplex methods
		CO4 : To solve the transportation problems
		CO5 : To know about the role of GATT & WTO in the business
17	VISUAL BASIC PROGRAMMING-MAT5A	CO1 : To define VB application Integrated development environment
		CO2 : To explain standard controls,document interfaces
		CO3 : To describe loops,functions & customizing a form
		CO4 : To explain function & procedures,array concept.
		CO5 : To evaluate the game theory.
18	VISUAL BASIC PRACTICAL- MAT51	CO1 : To develop simple programs using events
		CO2 : To develop simple calculator
		CO3 : To perform cascade windows operations
		CO4 : To develop the drag & drop events using images.
		CO5 : To perform dbase operations by using payroll,inventory,E-banking,Electricity Bill.
19	ELEMENTS OF COST ACCOUNTING-MAT5B	CO1 : The students can easily understand the concepts and elements of cost accounting
		CO2 : Preparation of cost sheet, material issues and store control
		CO3 : Preparation of financial statement analysis
		CO4 : Classification of ratio analysis
		CO5 : Computation of fund flow and cash flow analysis,Preparation of marginal costing
20	FINANCIAL MANAGEMENT- MAT5C	CO1:To acquire knowledge in the sector of finance
		CO2 : To understand the financial concepts, functions and sources of finance
		CO3 : To gain more knowledge in the field of cost of capital and capital structure etc.,
		CO4 : Factors influencing capital structure, Determination of Dividend policy
		CO5 : importance of working capital management and to study about cash management techniques ,Preparation of various types of budgets
21	WEB TECHNOLOGY-MET5B	internet .
		CO2 : To understand the HTML tags,structure of html program,Graphics & Frames
		CO3 : To understand the Jscript operators & expressions,conditional statements.
		CO4 : To understand the basic programming techniques of jscript
		CO5 : importance of jscript DOM,cascading stylesheets.

22	MANAGEMENT ACCOUNTING-MAT6A	CO1: To understand the concepts of management accounting, .
		CO2 : To understand the financial statements analysis & its tools.
		CO3 : To understand the Ratio Analysis & its calculations.
		CO4 : To understand the Cash Flow Analysis & marginal Costing
		CO5 : To understand the Budgetary control & capital Budgeting Control
23	E-BUSINESS-MAT6B	CO1: To acquire knowledge in electronic business .
		CO2 : To identify the web based tools for e-business
		CO3 : To describe the security measures in e-business.
		CO4 : To understand the strategies for marketing,sales & promotion.
		CO5 : To develop the environment of e-business.
24	SOFTWARE PROJECT MANAGEMENT-MAT6C	CO1: To identify the software models .
		CO2 : To describe the project planning in SI/MI
		CO3 : To understand the product requirements & specifications.
		CO4 : To define the software quality assurance.
		CO5 : To describe the software quality .
25	WEB TECHNOLOGY PRACTICAL-MAT61	CO1: To create simple page by using html tags .
		CO2 : To create a web page and insert table & image
		CO3 : To create the array,function by using jsript.
		action.
		CO5 : To describe the cascading stylesheet by using jsript .
26	PROJECT WORK-MET6Q	CO1: Will demonstrate the ability to make links across different areas of knowledge and to generate,develop & evaluate ideas and information so as to apply these skills to the project work .
		CO2 : Will acquire the skills to communicate effectively and to present ideas clearly & coherently to specific audience in both the written & oral forms.