



<b>S.No</b>	<b>Programmes</b>
1	BCA
2	B.Sc Computer Science
3	B.Com General
4	BBA
5	B.Sc Vis.Com
6	B.Com (CS)
7	B.A. Eng
8	BSW
9	B.Sc Mathematics
10	B.Sc Electronic Media
11	BA Journalism
12	B.Sc Psychology
13	B.Com (Accounting & Finance)
14	Language
15	M.A. English
16	M Com
17	MSW
18	MA HRM
19	MSc Mathematics
20	M Sc Applied Psychology
21	M Phil Commerce
22	M.Phil Social Work

**UNIVERSITY OF MADRAS**  
**BACHELOR OF COMPUTER APPLICATIONS (BCA) DEGREE**  
**PROGRAMME SYLLABUS WITH EFFECT FROM 2023-2024**

<p><b>PROGRAMME SPECIFIC OUTCOMES</b></p>	<ul style="list-style-type: none"> <li>• Think in a critical and logical based manner</li> <li>• Familiarize the students with suitable software tools of computer science and industrial applications to handle issues and solve problems in mathematics or statistics and real-time application related sciences.</li> <li>• Know when there is a need for information, to be able to identify, locate, evaluate, and effectively use that information for the issue or problem at hand</li> <li>• Understand, formulate, develop programming model with logical approaches to Address issues arising in social science, business and other contexts</li> <li>• Acquire good knowledge and understanding to solve specific theoretical and applied problems in advanced areas of Computer science and Industrial statistics.</li> <li>• Provide students/learners sufficient knowledge and skills enabling them to undertake further studies in Computer Science or Applications or Information Technology and its allied areas on multiple disciplines linked with Computer Science.</li> <li>• Equip with Computer science technical ability, problem solving skills, creative talent and power of communication necessary for various forms of employment.</li> <li>• Develop a range of generic skills helpful in employment, internships&amp; societal activities.</li> <li>• Get adequate exposure to global and local concerns that provides platform for further exploration into multi-dimensional aspects of computing sciences.</li> <li>• The state of art technologies in conducting a Explain in a scientific and systematic way and arriving at a precise solution is ensured</li> </ul>
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COURSE NAME		COURSE CODE	COURSE OUTCOME
	<b>Semester:1</b>		
Part III : CC - I: Python Programming		120C1A	<ul style="list-style-type: none"> <li>• Develop and execute simple Python programs</li> <li>• Write simple Python programs using conditionals and looping for solving problems</li> <li>• Decompose a Python program into functions</li> <li>• Represent compound data using Python lists, tuples, dictionaries etc.</li> <li>• Read and write data from/to files in Python programs</li> </ul>
Part III : CC - II: Python Programming Practical		120C11	<ul style="list-style-type: none"> <li>• To understand the problem solving approaches</li> <li>• To learn the basic programming constructs in Python</li> <li>• To practice various computing strategies for Python-based solutions to real world problems</li> <li>• To use Python data structures - lists, tuples, dictionaries.</li> </ul>

COURSE NAME	COURSE CODE	COURSE OUTCOME
<b>Semester:II</b>		
Part III : CC - III: Object Oriented Programming using C++	120C2A	<ul style="list-style-type: none"> <li>• Explain the various basic concepts of Object-orientation.</li> <li>• Write programs to implement static binding</li> <li>• Write programs to implement inheritance and dynamic binding</li> <li>• Write programs to implement templates and exception handling and learn how to use STL class library.</li> <li>• Write programs implementing File and Stream I/O.</li> </ul>
Part III : CC - IV: Object Oriented Programming using C++ Practical	120C21	<ul style="list-style-type: none"> <li>• Design and create classes. Implement Stream I/O as appropriate.</li> <li>• Design appropriate data members and member functions.</li> <li>• Implement functions, friend functions, static members, constructors and compile-time polymorphism.</li> <li>• Implement inheritance, run-time polymorphism and destructors.</li> <li>• Implement templates and exceptions. Use STL class library. Implement File I/O.</li> </ul>

### **BSC - COMPUTER SCIENCE**

Programme Specific Outcomes	<ul style="list-style-type: none"> <li>• 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 ethically and socially responsible Computer Science Professional.</li> </ul>
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	<ul style="list-style-type: none"> <li>• Explore emerging technologies in diverse areas of Computer Science and inculcate skills for successful career, entrepreneurship and higher studies.</li> <li>• Apply the concepts of Computer and practices via emerging technologies and Software development tools.</li> <li>• The program also gives an opportunity for post-graduation which helps them to upgrade themselves as a professional in this course.</li> </ul>
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### Semester - I

COURSE NAME	COURSE CODE	COURSE OUTCOME
PYTHON PROGRAMMING	125C1A	<ul style="list-style-type: none"> <li>• CO1: Develop and execute simple Python programs</li> <li>• CO2: Write simple Python programs using conditionals and looping for solving problems</li> <li>• CO3: Decompose a Python program into functions</li> <li>• CO4: Represent compound data using Python lists, tuples, dictionaries etc.</li> <li>• CO5: Read and write data from/to files in Python programs</li> </ul>
PYTHON PROGRAMMING PRACTICAL	125C11	<ul style="list-style-type: none"> <li>• CO1: To understand the problem solving approaches</li> <li>• CO2: To learn the basic programming constructs in Python</li> <li>• CO3: To practice various computing strategies for Python-based solutions to real world problems</li> <li>• CO4: To use Python data structures - lists, tuples, dictionaries.</li> <li>• CO5: To do input/output with files in Python.</li> </ul>
ELECTIVE MATHEMATICS-I	125E1A	<ul style="list-style-type: none"> <li>• CO1: Understand the concepts of Summation of Series.</li> <li>• CO2: Understand the concepts of Cayley Hamilton Theorem and inverse matrices.</li> <li>• CO3: Understand the concepts of finite differences.</li> <li>• CO4: Understand the knowledge about expansions, hyperbolic and inverse hyperbolic functions.</li> <li>• CO5: Understand the concept of Leibnitz theorem and function of two variables</li> </ul>

**Semester - II**

<b>COURSE NAME</b>	<b>COURSE CODE</b>	<b>COURSE OUTCOME</b>
INTRODUCTION TO COMPUTER ARCHITECTURE AND MICROPROCESSOR	125C2A	<ul style="list-style-type: none"><li>• CO1: Remember the Basic binary codes and their conversions. Binary concepts are used in</li><li>• Microprocessor programming and provide a good understanding of the architecture of 8085.</li><li>• CO2: Understanding the 8085 instruction set and their classifications, enables the students</li><li>• to write the programs easily on their own using different logic..</li><li>• CO3: Applying different types of instructions to convert binary codes and analysing the</li><li>• outcome. The instruction set is applied to develop programs on multibyte arithmetic</li><li>• operations.</li><li>• CO4: Analyse how peripheral devices are connected to 8085 using Interrupts and DMA</li><li>• controller.</li></ul>
INTRODUCTION TO COMPUTER ARCHITECTURE AND MICROPROCESSOR PRACTICAL	125C21	<ul style="list-style-type: none"><li>• CO1: Remember the Basic binary codes and their conversions. Binary concepts are used in</li><li>• Microprocessor programming and provide a</li></ul>

		<p>good understanding of the architecture of 8085.</p> <ul style="list-style-type: none"> <li>• CO2: Understanding the 8085-instruction set and their classifications, enables the students</li> <li>• to write the programs easily on their own using different logic.</li> <li>• CO3: Applying different types of instructions to convert binary codes and analysing the outcome. The instruction set is applied to develop programs on multibyte arithmetic operations.</li> <li>• CO4: Analyse how peripheral devices are connected to 8085 using Interrupts and DMA controller.</li> </ul>
ELECTIVE MATHEMATICS-II	125E1A	<ul style="list-style-type: none"> <li>• CLO 1: Understand the various concepts of Bernoulli's and Reduction Formula.</li> <li>• CLO 2: Understand the concepts of Fourier Series</li> <li>• CLO 3: Understand the concepts of Non-Homogenous and Partial Differential Equations</li> <li>• CLO 4: Understand the Laplace Transforms</li> <li>• CLO 5: Understand the concepts of Vector Differentiation</li> </ul>

### Semester - III

COURSE NAME	COURSE CODE	COURSE OUTCOME
JAVA PROGRAMMING	225C3A	<ul style="list-style-type: none"> <li>• CO1: Understand the basic Object-oriented</li> </ul>

		<p>concepts. Implement the basic constructs of</p> <ul style="list-style-type: none"> <li>• Core Java</li> <li>• CO2: Implement inheritance, packages, interfaces and exception handling of Core Java.</li> <li>• CO3: Implement multi-threading and I/O Streams of Core Java</li> <li>• CO4: Implement AWT and Event handling.</li> <li>• CO5: Use Swing to create GUI.</li> </ul>
JAVA PROGRAMMING PRACTICAL	225C31	<ul style="list-style-type: none"> <li>• CO1: Code, debug and execute Java programs to solve the given problems</li> <li>• CO2: Implement multi-threading and exception-handling</li> <li>• CO3: Implement functionality using String and StringBuffer classes</li> <li>• CO4: Demonstrate Event Handling.</li> <li>• CO5: Create applications using Swing and AWT</li> </ul>
ELECTIVE STATISTICS I	125E1B	<ul style="list-style-type: none"> <li>• Know the uses of statistics in society</li> <li>• Organize, manage and present data</li> <li>• Analyze the statistical data graphically using frequency distribution and cumulative frequency distribution.</li> <li>• Analyze statistical data using measures of central tendency, dispersion and location.</li> <li>• To understand correlation between</li> </ul>



		continuous variables and association between categorical variables.
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#### Semester - IV

COURSE NAME	COURSE CODE	COURSE OUTCOME
DATA STRUCTURES AND ALGORITHMS	225C4A	<ul style="list-style-type: none"> <li>• CO1: To introduce the concepts of Data structures and to understand simple linear data structures.</li> <li>• CO2: Learn the basics of stack data structure, its implementation and application</li> <li>• CO3: Use the appropriate data structure in context of solution of given problem and demonstrate a familiarity with major data structures.</li> <li>• CO4: To introduce the basic concepts of algorithms</li> <li>• CO5: To give clear idea on algorithmic design paradigms like Divide and conquer and Backtracking,</li> </ul>
DATA STRUCTURES AND ALGORITHMS PRACTICAL	225C41	<ul style="list-style-type: none"> <li>• CO1: Implement data structures using Java</li> <li>• CO2: Implement various types of linked lists and their applications</li> <li>• CO3: Implement Tree Traversals</li> <li>• CO4: Implement various algorithms in Java</li> <li>• CO5: Implement different sorting and searching algorithms</li> </ul>
ELECTIVE STATISTICS I	125E2B	<ul style="list-style-type: none"> <li>• Understand the basic concept of Probability</li> <li>• Identify the characteristics of different discrete and continuous distributions.</li> <li>• Identify the type of statistical situation to which different distributions can be applied comprehend the Sampling distributions.</li> <li>• Understand how to apply statistical tests to get information from data.</li> </ul>

**Semester - V**

<b>COURSE NAME</b>	<b>COURSE CODE</b>	<b>COURSE OUTCOME</b>
SOFTWARE ENGINEERING	325E5D	<ul style="list-style-type: none"><li>• The students should be able to specify software requirements, design the software using tools</li><li>• To write test cases using different testing techniques.</li></ul>
RELATIONAL DATABASE MANAGEMENT SYSTEM	325C5B	<ul style="list-style-type: none"><li>• Describe basic concepts of database system</li><li>• Design a Data model and Schemas in RDBMS</li><li>• Competent in use of SQL</li><li>• Analyse functional dependencies for designing robust Database</li></ul>
RELATIONAL DATABASE MANAGEMENT SYSTEM PRACTICAL	325C52	<ul style="list-style-type: none"><li>• Implement the DDL, DML Commands and Constraints</li><li>• Create, Update and query on the database.</li><li>• Design and Implement simple project with Front End and Back End.</li></ul>
OPERATING SYSTEM	325C5A	<ul style="list-style-type: none"><li>• Understand the structure and functions of Operating System</li><li>• Compare the performance of Scheduling Algorithms</li><li>• Analyse resource management techniques</li></ul>
OPERATING SYSTEM PRACTICAL	325C51	<ul style="list-style-type: none"><li>• Understand the process management policies and scheduling process by CPU.</li><li>• Analyse the memory management and its allocation policies.</li><li>• To evaluate the requirement for process synchronization.</li></ul>

COMPUTER NETWORKS	325E5A	<ul style="list-style-type: none"> <li>• CO1: To Understand the basics of Computer Network architecture, OSI and TCP/IP</li> <li>• reference models</li> <li>• CO2: To gain knowledge on Telephone systems and Satellite communications</li> <li>• CO3: To impart the concept of Elementary data link protocols</li> <li>• CO4: To analyse the characteristics of Routing and Congestion control algorithms</li> <li>• CO5: To understand network security and define various protocols such as FTP, HTTP,</li> <li>• Telnet, DNS</li> </ul>
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#### Semester - VI

COURSE NAME	COURSE CODE	COURSE OUTCOME
PROGRAMMING IN ASP.NET	325C6A	<ul style="list-style-type: none"> <li>• CO1: To identify and understand the goals and objectives of the .NET framework and</li> <li>• ASP.NET with C# language.</li> <li>• CO2: To develop web application using various controls</li> <li>• CO3: To analyse C# programming techniques in developing web applications.</li> <li>• CO4: To assess a Web application using Microsoft ADO.NET.</li> <li>• CO5: To develop a software to solve real-world problems using ASP.NET</li> </ul>

PROGRAMMING IN ASP.NET PRACTICAL	325C61	<ul style="list-style-type: none"> <li>• CO1: To identify and understand the goals and objectives of the .NET framework and ASP.NET with C# language.</li> <li>• CO2: To develop web application using various controls.</li> <li>• CO3: To analyse C# programming techniques in developing web applications</li> </ul>
PROJECT WITH VIVA VOCE	325C62	<ul style="list-style-type: none"> <li>• The aim of the mini project is that the student has to understand the real time software development environment. The student should gain a thorough knowledge in the problem, he/she has selected and the language / software, he/she is using.</li> </ul>
INTERNET OF THINGS AND ITS APPLICATIONS	320E6C	<ul style="list-style-type: none"> <li>• CO1: Use of Devices, Gateways and Data Management in IoT.</li> <li>• CO2: Design IoT applications in different domain and be able to analyse their performance</li> <li>• CO3: Implement basic IoT applications on embedded platform</li> <li>• CO4: To gain knowledge on Industry Internet of Things</li> <li>• CO5: To Learn about the privacy and Security issues in IoT</li> </ul>
CLOUD COMPUTING	325E6D	<ul style="list-style-type: none"> <li>• CO1: To understand the concepts and technologies involved in Cloud Computing.</li> <li>• CO2: To understand the concepts of various cloud services and their implementation in the</li> <li>• Amazon, Microsoft and Google cloud computing platforms.</li> </ul>

		<ul style="list-style-type: none"> <li>• CO3: To understand the aspects of application design for the Cloud.</li> <li>• CO4: To understand the concepts involved in benchmarking and security on the Cloud.</li> <li>• CO5: To understand the way in which the cloud is used in various domains.</li> </ul>
ADVANCED EXCEL PRACTICAL	325S61	<ul style="list-style-type: none"> <li>• CO1: Handle large amounts of data</li> <li>• CO2: Aggregate numeric data and summarise into categories and subcategories</li> <li>• CO3: Filtering, sorting, and grouping data or subsets of data</li> <li>• CO4: Create pivot tables to consolidate data from multiple files</li> <li>• CO5: Presenting data in the form of charts and graphs</li> </ul>

## **B.COM. GENERAL**

<b>PROGRAMME SPECIFIC OUTCOMES</b>	By the end of B.Com. (General) programme, students will be able to acquire skills in Accounting, Finance, Taxation, Management, and Economics. Thereby they will develop their accounting knowledge through the curriculum and value-added certificate courses.
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<b>COURSE NAME</b>	<b>COURSE CODE</b>	<b>COURSE OUTCOME</b>
<b>SEMESTER I</b>		
FINANCIAL ACCOUNTING	CZ21A	<ul style="list-style-type: none"><li>• The students will be able to analyze and prepare financial statement of different types of organization</li><li>• The students will be aware of the various amendments in financial reporting</li></ul>
BUSINESS COMMUNICATION	CZ21B	<ul style="list-style-type: none"><li>• Students understand the concept of communication and familiarize with modern forms of communication.</li></ul>
BUSINESS ECONOMICS	CZ31A	<ul style="list-style-type: none"><li>• Students understand the concept of communication and familiarize with modern forms of communication.</li></ul>
<b>SEMESTER II</b>		
ADVANCED FINANCIAL ACCOUNTING	CZ22A	<ul style="list-style-type: none"><li>• The students will be able to understand the preparation of financial statements for business units other than corporate undertaking and their utility.</li></ul>

		<ul style="list-style-type: none"> <li></li> </ul>
PRINCIPLES OF MANAGEMENT	CZ22B	<ul style="list-style-type: none"> <li>On the completion of syllabus students will understand the basic concepts and significance of management in business.</li> </ul>
INDIAN ECONOMY	CZ32A	<ul style="list-style-type: none"> <li>After completion of the syllabus students will be well versed with the features of the Indian economy and know the five-year plans.</li> </ul>
<b>SEMESTER III</b>		
CORPORATE ACCOUNTING	CZ23A	<ul style="list-style-type: none"> <li>The students will learn the accounting procedures of corporate undertaking and their financial statement preparations</li> </ul>
BUSINESS LAW	CZ23B	<ul style="list-style-type: none"> <li>On the completion of the syllabus students will understand the basic provisions of Law, Contract and Legal remedies in the law.</li> </ul>
BANKING THEORY LAW & OPERATIONS	CZ23C	<ul style="list-style-type: none"> <li>After completion of this subject, students will understand the growth of Indian Banking Systems and their Modern Day Development.</li> </ul>
MARKETING	CZ23D	<ul style="list-style-type: none"> <li>The Students will understand the basic concepts of Marketing, Market Segmentation, Marketing Mix and Recent trends in Marketing.</li> </ul>
BUSINESS STATISTICS	CZ33A	<ul style="list-style-type: none"> <li>Enable the students to understand the statistics and its Applications.</li> </ul>
<b>SEMESTER IV</b>		
ADVANCE CORPORATE ACCOUNTING	CZ24A	<ul style="list-style-type: none"> <li>The students will be able to understand the procedures of corporate restructuring and to prepare the various accounting statements.</li> </ul>

COMPANY LAW	CZ24B	<ul style="list-style-type: none"> <li>• The students will gain knowledge on Company Law provisions and amendments.</li> </ul>
FINANCIAL SERVICES	CZ24C	<ul style="list-style-type: none"> <li>• On the completion of modules, the students will understand the various financial services.</li> </ul>
INDIRECT TAXATION	CZ24D	<ul style="list-style-type: none"> <li>• The students will be able to understand the concepts of Indirect taxation, types and Assessment procedures</li> </ul>
ELEMENTS OF OPERATIONS RESEARCH	CZ34A	<ul style="list-style-type: none"> <li>• Understanding the Concept of Operations Research and to help the Students to Understand the various techniques of Solving Problems</li> </ul>
<b>SEMESTER V</b>		
ELEMENTS OF COST ACCOUNTING	CZ25A	<ul style="list-style-type: none"> <li>• At the end of the course students will understand the basic elements of costing.</li> </ul>
PRACTICAL AUDITING	CZ25B	<ul style="list-style-type: none"> <li>• On the completion of syllabus students will gain insight of the Auditing practices prevailing in the present scenario.</li> <li>• Students will understand the general approach of audit in EDP environment</li> </ul>



<p>LOGISTICS AND SUPPLY CHAIN MANAGEMENT</p>	<p>CZ25C</p>	<ul style="list-style-type: none"> <li>● On completion of syllabus students will understand the basic concepts of logistics and supply chain management and student prepare them self to work in logistics and allied industries.</li> </ul>
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FINANCIAL MANAGEMENT	CZ25D	<ul style="list-style-type: none"> <li>At the end of syllabus students will understand the basics of Financial Management, Investing, Financing and Dividend decisions.</li> </ul>
INCOME TAX: LAW AND PRACTICE	CZ45A	<ul style="list-style-type: none"> <li>The students will understand the concepts of Income tax, Types of filing and computation of tax from various heads.</li> </ul>
<b>SEMESTER VI</b>		
ADVANCE COST ACCOUNTING	CZ26A	<ul style="list-style-type: none"> <li>The students will understand the concepts of cost accounting, methods and its usage in decision making</li> </ul>
MANAGEMENT ACCOUNTING	CZ26B	<ul style="list-style-type: none"> <li>At the end of syllabus students will understand the basics of financial management, investing, financing and dividend decisions.</li> </ul>
HUMAN RESOURCE MANAGEMENT	CZ46B	<ul style="list-style-type: none"> <li>Understanding of basic concepts, functions and functioning of the Human resource department of the organizations.</li> </ul>
INCOME TAX LAW & PRACTICE II	CZ46A	<ul style="list-style-type: none"> <li>The students will understand the procedure for computing taxable income from different heads, clubbing of income, setoff and carry forward of losses and deductions applicable to an individual.</li> </ul>
ENTREPRENEURIAL DEVELOPMENT	CZ26C	<ul style="list-style-type: none"> <li>On completion of syllabus students will understand the basic concepts of entrepreneurship and business opportunities to familiarize with knowledge about business and project reports for starting a new ventures on team based.</li> </ul>

## BBA

<b>PROGRAMME SPECIFIC OUTCOMES</b>	<ul style="list-style-type: none"> <li>• To enable students to apply basic microeconomic, macroeconomic and monetary concepts and theories in real life and decision making.</li> <li>• To sensitize students to various economic issues related to Development, Growth, International Economics, Sustainable Development and Environment.</li> <li>• To familiarize students to the concepts and theories related to Finance, Investments and Modern Marketing.</li> <li>• Evaluate various social and economic problems in the society and develop answer to the problems as global citizens.</li> <li>• Enhance skills of analytical and critical thinking to analyze effectiveness of economic policies.</li> </ul>
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Semester 1-Course Name	Course Code	Course Outcomes
Core - Principles of Management	150CIA	<ul style="list-style-type: none"> <li>• To impart knowledge about evolution of management</li> <li>• To provide understanding on planning process and importance of decision making in organization To learn the application of principles in organization</li> <li>• To study the process of effective controlling in organization</li> <li>• To familiarize students about significance of ethics in business and its implications.</li> </ul>
Core – Accounting for Managers -1	150CIB	<ul style="list-style-type: none"> <li>• To impart knowledge about basic concepts of accounting its applications</li> <li>• To analyze and interpret financial reports of a company</li> <li>• To understand the gross profit and net profit earned by organization</li> <li>• To foster knowledge on Hire Purchase system</li> <li>• To understand the procedures of Accounting under Single entry system.</li> </ul>
Elective- MANAGERIAL ECONOMICS	150E1A	<ul style="list-style-type: none"> <li>• To familiarize students with concepts of managerial economics and its relevant concepts of economics in current business scenario</li> <li>• To understand the applications &amp; implications of economics and its knowledge of the mechanics of supply and demand markets in decision-making and problem solving.</li> <li>• To Understand the optimal point of cost analysis and production factors of the firm</li> <li>• To describe the pricing methods and strategies that are consistent with evolving marketing needs</li> <li>• To Provide insights to the various market structures in an economy.</li> </ul>

Foundation (Bridge) Course- Managerial Communication	150B1A	<ul style="list-style-type: none"> <li>To educate students role &amp; importance of communication skills</li> <li>To build their listening, reading, writing &amp; speaking communication skills.</li> <li>To introduce the modern communication for managers.</li> <li>To understand the skills required for facing interview</li> <li>To facilitate the students to understand the concept of Communication.</li> </ul>
Skill Enhancement Course- NME- Basics of Event Management	150S1A	<ul style="list-style-type: none"> <li>To know the basic of event management its concepts</li> <li>To make an event design</li> <li>To make feasibility analysis for event.</li> <li>To understand the 5 Ps of Event Marketing</li> <li>To know the financial aspects of event management and its promotion</li> </ul>
<b>SEMESTER : 2</b>		
Core- Marketing Management	150C2A	<ul style="list-style-type: none"> <li>To list and identify the core concepts of Marketing and its mix.</li> <li>To sketch the market segmentation, nature of product, PLC.</li> <li>To analyze the appropriate pricing methods.</li> <li>To determine the importance of various media.</li> <li>To assess the sales force and applications of digital marketing.</li> </ul>
Core- Accounting for Managers-II	150C2B	<ul style="list-style-type: none"> <li>Interpret cost sheet &amp; write comments.</li> <li>Compare cost, management &amp; financial accounting.</li> <li>Analyze the various ratio and compare it with standards to assess deviations.</li> <li>Estimate budget and use budgetary control.</li> <li>Evaluate marginal costing and its components.</li> </ul>
Elective- International Business	150E2A	<ul style="list-style-type: none"> <li>Discuss the modes of entry to International Business.</li> <li>Explain international trade theories.</li> <li>Understand Foreign exchange market and FDI.</li> <li>Outline the Global Business Environment.</li> <li>Identify the relevance of international institutions and trading blocs.</li> </ul>

Skill Enhancement Course- Managerial Skill Development	150S2A	<ul style="list-style-type: none"> <li>• Identify the personal qualities that are needed to sustain in the world of work.</li> <li>• Explore more advanced Management Skills such as conflict resolution, empowerment, working with teams and creating a positive environment for change.</li> <li>• Acquire practical management skills that are of immediate use in management or leadership positions.</li> <li>• Employ critical-thinking and analytical skills to investigate complex business problems to propose viable solutions.</li> <li>• Make persuasive presentations that reveal strong written and oral communication skills needed in the workplace.</li> </ul>
Skill Enhancement Course- Business Etiquette and Corporate Grooming	150S2B	<ul style="list-style-type: none"> <li>• Describe basic concepts of business etiquette and corporate grooming.</li> <li>• Outline the etiquette and grooming standards followed in business environment and the significance of communication.</li> <li>• Create cultural awareness and moral practices in real life workplace scenarios.</li> <li>• Analyze workplace courtesy and resolve ethical issues with respect to etiquette and grooming for success.</li> <li>• Apply the professionalism in the workplace considering diversity and courtesy</li> </ul>

<b>SEMESTER : 3</b>		
Core- Financial Management	BB23A	<ul style="list-style-type: none"> <li>• To enable students to understand the concepts and importance of financial stability of Business organization</li> <li>• To impart practical insights in regard to capital structuring and capital decision making.</li> <li>• To inculcate students regarding leverage concept with its constituent ratios and the impacts of the same on financial stability</li> <li>• To enable students to apply financial management frameworks and integrated business analysis towards organizational strategy</li> <li>• To train students to apply the gained knowledge in financial strategies across all business verticals</li> </ul>
Core- Organizational Behaviour	BB23B	<ul style="list-style-type: none"> <li>• To enable students to understand the constructs of individual differences among the human resources of the organization.</li> </ul>

		<ul style="list-style-type: none"> <li>• To facilitate the students, understand the characteristics displayed by individuals and how those characteristics can be developed by supporting actions such as motivation, leadership and so on.</li> <li>• To impart in-depth knowledge pertaining to various factors influencing organizational climate</li> </ul>
Core-Computer Applications In Business	BB23C	<ul style="list-style-type: none"> <li>• To introduce the students to basic applications of computer aided tools and techniques and expose them with the detailed understanding the theory and practical applications</li> <li>• To impart knowledge on the methods of data input, editing and storage in applications such as MS Word, MS Excel, MS Power Point and MS Access.</li> <li>• To help the students understand basics of E-commerce through the understanding of concepts such as EDI.</li> <li>• To help the students understand nuances behind usage of internet and its usage in e-commerce with rules governing the same</li> </ul>
Core- Marketing Management	BB23D	<ul style="list-style-type: none"> <li>• To enable students to understand the world of marketing and marketing terminologies.</li> <li>• To enable students to learn and examine the dynamic nature of marketing with other core management functions</li> <li>• To teach the students the basics of market segmentation, targeting and positioning and how the marketing mix plays an important role in these three constructs.</li> <li>• To enable students to understand the channels of marketing and distribution to place a product in new or existing market.</li> <li>• To acquaint the students with the</li> </ul>

		knowledge on the basics of advertising and different forms of publicity and sales promotion
Allied - Business Statistics	BB33A	<ul style="list-style-type: none"> <li>• To enable the students capable of interpreting and evaluating the numerical and quantitative issues in business.</li> <li>• To understand and apply the measures of variations</li> <li>• To inculcate and apprehend the basics of sampling tools and techniques</li> </ul>
<b>SEMESTER : 4</b>		
Core- Business Regulatory Framework	BB24B	<ul style="list-style-type: none"> <li>• To enable students to understand the ethical business concepts through the government regulations and other statutory compliance</li> <li>• To be familiar with legal business concepts such as contract through examining associated legal structures and related legislations</li> <li>• To educate students on consumer rights through the study of consumer legislation. To make students gain an ethical perspective of business by creating a sense of responsibility through examining applicable legislations.</li> </ul>
Core- Financial Services	BB24C	<ul style="list-style-type: none"> <li>• To enable students to understand the concepts of different financial services provided and the financial services market.</li> <li>• To indirectly motivate budding business ideas among students by imparting basic knowledge on capital market</li> <li>• To envision the career opportunities in financial services sector by examining various functions related to financial services.</li> <li>• To enable students to understand how the markets are regulated by structures such as SEBI along with its associated roles</li> </ul>

Core- Management Information Systems	BB24D	<ul style="list-style-type: none"> <li>• To increase the knowledge gained through CAB into a management oriented sphere by the instruction in Management Information Systems.</li> <li>• To make students understand the concepts of systems and in specific computerized systems.</li> <li>• To introduce the students to the development of information systems through the various system development methodologies</li> <li>• To acquaint the student with decision support systems and their methodologies to aid in the management process of decision making.</li> </ul>
Core- Human Resource Management	BB24A	<ul style="list-style-type: none"> <li>• To enable students to understand the basic concepts, functions and processes of human resource management</li> <li>• To enable students to design and formulate various HRM processes such as Recruitment, Selection, Training, Development, Performance appraisals, Reward Systems and Compensation Plans</li> <li>• To expand the students' knowledge in understanding human behavior.</li> <li>• To enhance the students' knowledge on employer and employee relations through the study of the various structures and machinery involved in mediating and settlement of Industrial disputes.</li> <li>• To Practically impress upon the student the need for auditing in all areas of management through the study of human resource audit</li> </ul>
Core- Operations Research	BB34A	<ul style="list-style-type: none"> <li>• To enable students to solve Linear Programming problems</li> <li>• To help students to solve</li> </ul>



		<p>Transportation and Assignment Problems</p> <ul style="list-style-type: none"> <li>To understand the usage of game theory and Simulation for Solving Business Problems</li> </ul>
<b>SEMESTER : 5</b>		
Core- Advertising Management and Sales Promotion	BB25A	<ul style="list-style-type: none"> <li>To enable students to apply the gained knowledge of marketing into the specialized area of advertising and sales promotion.</li> <li>To help students understand nuances of Advertising Management</li> <li>To show the students the various types of sales promotions along with the planning, implementation and control of the same</li> <li>To acquaint the student with regulations and ethics of advertising governed by various bodies and society in itself thereby sharpening an ethical brand of advertisers</li> </ul>
Core- Research Methodology	BB25B	<ul style="list-style-type: none"> <li>To formalize the students' knowledge of theoretical concepts of research which they have been doing in form of assignments so far.</li> <li>To inculcate within them the urgency of the need for research to enhance knowledge</li> <li>To associate them with the technicalities and nuances of the process of research</li> <li>To gear them up in the run up toward their 6th semester group project work</li> </ul>
Core- Operations Management	BB25C	<ul style="list-style-type: none"> <li>To open students' understanding to nuances of production and Operations Management</li> <li>To make the students understand the basics of inventory management and control</li> <li>To associate the students with technicalities of layout and location of a plant, as well as operations control, keeping in mind that they</li> </ul>

		<p>are potential job creators and manufacturers</p> <ul style="list-style-type: none"> <li>• To introduce the students to the concept of general service sector</li> </ul>
Core- Materials Management	BB25D	<ul style="list-style-type: none"> <li>• To teach the students the importance of inventory, its classification and an in-depth study of the various methods of inventory control</li> <li>• To educate the students with the knowledge of purchasing types, structures and cycles through connecting it with inventory levels</li> <li>• To understand concepts of material handling with the various equipment and safety measures involved</li> <li>• To bring a quality mindset in the students through the study of ISO and value analysis</li> </ul>
Elective Entrepreneurial Development	BB45A	<ul style="list-style-type: none"> <li>• To enable students to understand the basic concepts of entrepreneurship and business opportunities</li> <li>• To familiarize with knowledge about business and project reports for starting a new venture team based</li> <li>• To examine the role of women entrepreneurship in economic development</li> </ul>
<b>SEMESTER : 6</b>		
Core- Business Environment	BB26A	<ul style="list-style-type: none"> <li>• To help the students understand the basic nuances of business</li> <li>• To make the students aware of the various environmental factors impacting business</li> <li>• To give an in-depth study of individual environmental factors</li> <li>• To help the learner understand how the individual business interact with each one of the environmental factors</li> <li>• To bring awareness among students about the role of government in business</li> </ul>
Core- Service Marketing	BB26B	<ul style="list-style-type: none"> <li>• To expand the students' knowledge of services gained through the study</li> </ul>

		<p>of subjects such as financial services and operations management with a specialized study of services management</p> <ul style="list-style-type: none"> <li>• To help the students understand the factors involved in the management of services in the service sectors</li> <li>• To enhance structures studied in marketing management to suit the service sector and study the same structures in a new light</li> <li>• To make students understand the increasing importance of the service sector and the urgent need to focus on quality in this sector through gap management</li> </ul>
Core- Business Taxation	BB26C	<ul style="list-style-type: none"> <li>• To help the students to understand the fundamentals of taxation</li> <li>• To expose the students to the systems of direct and indirect taxes</li> <li>• To make the students comprehend the regulatory bodies involved in the procedures of taxation</li> </ul>
Elective- Customer Relationship Management	BB46D	<ul style="list-style-type: none"> <li>• To expand the students' knowledge gained through marketing management with a new focus on the side of the customers</li> <li>• To help students understand how customers play a vital role in business and the various ways of creating and managing relationships of the same</li> </ul>
Elective- Project Work (Group)	BB46Q	<ul style="list-style-type: none"> <li>• To enable students to apply theoretical concepts of research studied in the 5th semester</li> <li>• To expose the students to the working environment practically before they are absorbed into the workplace</li> <li>• To train the students mind to face and solve practical workplace problems through the cushion of student research</li> </ul>

BSC VISUAL COMMUNICATION

Visual Arts and Aesthetics (Theory)	152C1B	<ul style="list-style-type: none"> <li>1. Identify and describe the different styles and movements in art history. 2. Develop critical thinking skills in analyzing and interpreting artworks. 3. Demonstrate the ability to communicate ideas and emotions through art. 4. Engage in constructive critique and feedback of one's own and others' artwork. 5. Recognize the significance of art in contemporary society and its impact on cultural and social issues.</li> </ul>
Introduction to Human Communication (Theory)	152C1A	<p>1. Define and differentiate between different types of communication, evaluate the impact of communication on society, and create effective communication strategies for different contexts.</p> <p>2. Analyze communication processes and barriers, synthesize solutions to overcome communication barriers, and evaluate the effectiveness of communication strategies in real-world scenarios.</p> <p>3. Apply nonverbal communication and active listening skills to improve interpersonal relationships, evaluate the effectiveness of communication skills in relationships, and create communication plans for building and maintaining professional relationships.</p> <p>4. Evaluate different communication styles and their effectiveness in managing conflicts, design and implement effective conflict resolution strategies, and evaluate the effectiveness of negotiation strategies in different contexts.</p> <p>5. Develop and deliver persuasive public speeches and presentations, integrate appropriate technology tools to enhance the impact of the message, and evaluate the effectiveness of public speeches and presentations in real-world scenarios.</p>

<b>Graphic Design and Typography (Practical)</b>	152E1A	1. To understand the principles and practices of graphic design 2. To develop skills in typographical design 3. To learn how to communicate effectively through graphic design 4. To acquire knowledge of different design elements and principles 5. To be able to apply design principles and skills to real-world graphic design projects.
Understanding Visual Communication (Theory)	152C2A	1. Analyze and evaluate visual elements and messages in different media forms and contexts, demonstrating an advanced understanding of visual communication concepts and principles. 2. Apply the principles of design and visual communication to create effective and ethical visual communication, considering the needs and goals of specific audiences and contexts. 3. Demonstrate an advanced understanding of the role of visual communication in shaping cultural, social, and political narratives, and analyze the use of visual images in different contexts to inform and persuade audiences. 4. Synthesize knowledge and skills related to visual communication, including visual literacy, design principles, and ethical considerations, to develop a final project that effectively communicates a narrative concept. 5. Evaluate the impact and effectiveness of visual communication, considering the social, cultural, and ethical implications of the use of visual images and messages, and apply this knowledge to their own visual communication practices.
Audio-Visual Editing (Practical)	252C31	1. Create professional-level audio and video projects using Audacity and DaVinci Resolve (Creation) 2. Synthesize audio and video editing techniques to create unique projects (Synthesis) 3. Utilize advanced audio and video editing tools and techniques (Utilization) 4. Compare and contrast different audio and video editing techniques (Comparison) 5. Design audio and video projects that meet industry standards (Design)

Multimedia Technologies and Standards (Theory)	252C3A	1. Students will be able to describe the fundamental concepts of multimedia technologies and standards. 2. Students will be able to differentiate between different file formats used in multimedia. 3. Students will be able to create and manipulate multimedia content using authoring tools. 4. Students will be able to analyze the impact of multimedia technologies on society. 5. Students will be able to predict future trends and developments in multimedia technologies.
Photography and Videography (Practical)	152C21	1. Students will be able to describe the key technical and creative concepts in photography and videography. 2. Students will be able to operate cameras and utilize equipment proficiently to achieve photographic and videographic effects. 3. Students will be able to apply appropriate techniques for photographing and filming different subjects, scenes, and styles. 4. Students will be able to evaluate and critique photographs and videos for visual effectiveness and quality. 5. Students will be able to create visually compelling photographs and short videos by synthesizing skills and concepts from the course.
Publication Design (Practical)	152E21	1. Demonstrate an understanding of the concepts and principles of publication design and advertising design, and analyze how they are applied to create effective designs for various media. 2. Create original designs using basic design principles such as composition, layout, typography, and color theory in various media formats such as print and digital media. 3. Utilize software and tools such as Adobe InDesign, Illustrator, and Photoshop to design and create effective publications, advertising materials, and illustrations. 4. Evaluate the effectiveness of designs in terms of layout, composition, typography, and color palette selection, and make recommendations for

		improvement.
2D and 3D Modelling (Practical)	252E31	<p>1. Demonstrate a proficiency in Blender's interface, tools, and navigation, and apply this knowledge to create and edit 2D and 3D objects with various modifiers and transformations. 2. Develop a comprehensive understanding of rendering techniques, including lighting and camera settings, and use this knowledge to create high-quality output for different projects. 3. Apply advanced modelling techniques, including particle systems, constraints, and armatures, to create realistic animations and simulations, and demonstrate a mastery of the skills needed to bring these models to life. 4. Create interactive 3D content using Blender's game engine, motion tracking, and compositing tools, and integrate 3D elements into real-life footage to produce professional-quality video content. 5. Design and execute a final project that showcases the skills and techniques learned throughout the course, demonstrating an ability to apply critical thinking and creativity to 2D and 3D modelling and animation projects.</p>

**BCOM- CORPORATE SECRETARYSHIP****Semester I**

<b>SL.NO</b>	<b>SUBJECT/SUBJECT CODE</b>	<b>COURSE OUTCOME</b>
1	Core Paper I - Financial Accounting I – 118C1A	On successful completion of the course, students will be able to <ul style="list-style-type: none"><li>• understand basic concepts of accounting</li><li>• prepare final accounts of trading concerns or balance sheets of non-trading organizations.</li><li>• classify and rectify errors, and prepare bank reconciliation statements</li><li>• calculate depreciation and evaluate insurance claims</li><li>• differentiate between single entry and double entry systems</li></ul>
2	Core II Principles of Management – 118C1B	By the end of the course, students will be able to <ul style="list-style-type: none"><li>• understand the basic concept of management</li><li>• Importance of Management in Corporate world</li><li>• Understand the basic concept of Corporate Management</li></ul>
3	Elective I - Business Communication – 118E1A	By the end of the course, students will be able to <ul style="list-style-type: none"><li>• understand principles of effective communication and identify barriers in communication</li><li>• classify business letters into application letter, appointment order enquiries, sales order, and complaint letter</li><li>• analyze bank, insurance, and agency correspondence along with correspondence with shareholders and directors</li><li>• evaluate use of modern forms of communication like fax, email, and video conferencing</li><li>• prepare reports, meeting agenda, minutes, memorandum, office order, and circulars</li></ul>



## Semester - II

S.No.	Subject / Course Name & Code	Course Outcomes
1.	Core Paper III - Financial Accounting – II – 118C2A	By the end of the course, students will be able to <ul style="list-style-type: none"><li>• describe concept of Branches and system of accounting for Dependent Branches</li><li>• categorize and allocate common expenditure of organization among its departments, and prepare Departmental Accounts with inter-departmental transfer</li><li>• distinguish between Hire Purchase and Installment Purchase system, and prepare Hire Purchase a/c with partial and complete repossession</li><li>• evaluate concept of Partnership and prepare financial statements for different situations like admission, retirement, or death of a partner</li><li>• prepare financial statements for dissolution of a partnership firm</li></ul>
2.	Core paper - Business Law – 118C2B	By the end of the course, students will be able to <ul style="list-style-type: none"><li>• apply general principles of law of contract</li><li>• understand legal provisions and choose the most appropriate</li><li>• one to resolve business issues</li><li>• apply fundamental legal concepts in contract law pertaining to</li><li>• various commercial activities</li><li>• classify remedies available for breach of contract under Indian Contract Act</li><li>• evaluate nature of special contracts like Indemnity</li></ul>

3.	Elective International Trade – 118E2C	<ul style="list-style-type: none"> <li>• To help students understand that trade can go on beyond the confines of a nation and teach nuances of that kind of international trade.</li> <li>• To provide students with information regarding monetary structures and systems in the macroeconomic environment along with foreign exchange basics. This will benefit their aspirations of being a entrepreneur in international business.</li> <li>• To make students aware of international bodies and regulations in governance of international trade, the makeup of these bodies and the requirements of the same with the level of assistance they provide toward different countries.</li> <li>• To inculcate the spirit of entrepreneurship at basic level from vantage point of contributing to national growth through.</li> <li>• International trade.</li> </ul>
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### Semester - III

S.No.	Subject / Course Name & Code	Course Outcomes
1.	Core Paper V - Corporate Accounting I (AYA3A)	By the end of the course, students will be able to <ul style="list-style-type: none"><li>• identify various steps involved in making agreements</li><li>• understand procedures related to issue and redemption of shares and debentures</li><li>• apply basic accounting principles in preparing consolidated financial statements of a company in accordance with generally accepted Accounting Standards</li><li>• evaluate goodwill of a company based on different methods</li><li>• synthesize information on internal reconstruction and alteration of share capital</li></ul>
2.	Core Paper VI - Company Law and Secretarial Practice - II (AYA3B)	By the end of the course, students will be able to <ul style="list-style-type: none"><li>• identify books of accounts to be maintained by a company as per statutory requirements</li><li>• understand powers, qualification, disqualification, and modes of appointment of Board of Directors</li><li>• describe procedures for declaration and payment of dividend by a company</li><li>• analyze importance of different kinds of meetings and essential requirements for each meeting</li><li>• evaluate the formalities and procedures to be undertaken when the company is being wound up</li></ul>

## Semester - IV

S.No.	Subject / Course Name & Code	Course Outcomes
1.	Core Paper VII – Advanced Corporate Accounting (AY24A)	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>• have a more enhanced knowledge of basic accounting standards and fundamental concepts related to amalgamation and absorption</li> <li>• apply generally accepted Accounting Standards in preparing consolidated financial statements of Banking and Insurance Company</li> <li>• assess value of human resources of a company based on different methods</li> <li>• evaluate procedures involved in process of liquidation of company and in preparation of Liquidator's Final Statement</li> </ul>
2.	Core Paper VIII - Indirect taxation - (AY24B)	<p>By the end of the course, students will be able to</p> <p>Remember procedure of indirect tax assessment understand basic principles and amendments made from time to time in finance Act</p> <p>Apply principles of taxation to calculate tax liability evaluate method of tax credit imposition, exemptions, and deductions.</p> <p>Compute assessable value of transactions related to goods and services for levy and determination duty liability</p>
3.	Allied Paper IV Securities Laws & Market Operations (AY34A)	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>• identify role of SEBI in regulating capital market</li> <li>• understand different methods of floating securities in primary market</li> <li>• analyze role of intermediaries in settlement of trade and smooth functioning of capital market</li> <li>• enumerate procedure for listing of securities in stock exchange</li> <li>• compare investment schemes available under mutual funds</li> </ul>

## Semester - V

S.No.	Subject / Course Name & Code	Course Outcomes
1.	Core Paper X- Corporate Governance & Ethics – (AY25B)	By the end of the course, students will be able to <ul style="list-style-type: none"> <li>• Gain knowledge on governance which ensure ethics in corporate management.</li> <li>• Understand the legal enforcement for management of corporate health in the interest of shareholder &amp; public.</li> </ul>
2.	Elective I – Marketing – (AY45A)	By the end of the course, students will be able to <ul style="list-style-type: none"> <li>• understand the importance and the relevance of marketing</li> <li>• understand the basic concepts of Marketing, Market Segmentation, Marketing Mix and Recent trends in Marketing</li> <li>• understand the features of the Indian Marketing</li> </ul>
3.	Core Paper XI - Income Tax Law & Practice I – (AY25D)	By the end of the course, students will be able to <ul style="list-style-type: none"> <li>• apply basic concepts in Income Tax Act</li> <li>• understand residential status of an assessee</li> <li>• categorize various sources of income to be charged under different heads and incomes that are exempted from tax</li> <li>• apply tax provision in calculating income under heads-salaries, house property, business, or profession</li> <li>• evaluate powers of Income Tax authorities</li> </ul>
4.	Core Paper IX Cost Accounting – AY25A	By the end of the course, students will be able to <ul style="list-style-type: none"> <li>• apply basic concepts and techniques in Cost Accounting</li> <li>• understand how different aspects of cost are assigned to a product at various stages of production</li> <li>• describe the purpose and application of process costing</li> <li>• analyze the role played by Cost Accounting in business decision-making process</li> </ul> <p>prepare cost sheets using Cost Accounting principles</p>

## Semester - VI

S.No.	Subject / Course Name & Code	Course Outcomes
1.	Core paper XVI - Income Tax Law & Practice II (AY26D)	<p>By the end of the course, students will be able to understand various deductions available to an assessee with respect to his/her payments and income</p> <ul style="list-style-type: none"> <li>• illustrate various provisions in which income of an individual can be combined with that of others</li> <li>• apply tax provision in calculating income under head capital gains and other sources</li> <li>• explain rules of set off and carry forward of losses</li> <li>• calculate total income and tax liability of an individual assessee</li> </ul>
2.	Core Paper X- Management Accounting (AY26B)	<p>By the end of the courses, students will be able to</p> <ul style="list-style-type: none"> <li>• Identify role of SEBI in regulating capital market understand different methods of floating securities in primary market.</li> <li>• Analyze role of intermediaries in settlement of trade and smooth function of capital market enumerate procedure for listing of securities in stock exchange.</li> <li>• Compare investment schemes available under mutual funds</li> </ul>
3.	Core Paper XV - Industrial Laws (AY26A)	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>• apply legal provisions in regulating and resolving industrial disputes</li> <li>• understand procedure for fixation of minimum wages and provisions governing them</li> <li>• describe provisions related to health, safety, and welfare measures of workers</li> <li>• compare compensation schemes available to workers in an organization and develop a suitable reward system</li> <li>• assess rights and liabilities of a registered Trade Union</li> </ul>

4.	Core PaperXII- Entrepreneurial Development (AY26C)	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>• Identify the qualities entrepreneurs should possess and point out the problems faced by them</li> <li>• understand the importance of Entrepreneurial Development Programmes choose suitable business idea through feasibility studies and develop a business plan compare various schemes available to women entrepreneurs and select the right scheme applicable to their business</li> <li>• evaluate the chosen project for financing based on various appraisal methods</li> </ul>
5.	Core Paper XVIII Institutional Training (AY461)	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>• understand company's activities, organizational structure, authority responsibilities</li> <li>• identify various records, office machines, equipment, office layout, working conditions, and safety of employees</li> <li>• demonstrate working style of a company organizational setting</li> <li>• analyze functions of various departments within an organization</li> <li>• compare financial statements of companies for projecting their financial positions</li> </ul>

## BSW

<b>PROGRAMME SPECIFIC OUTCOMES</b>	The Social Work programme is interdisciplinary in nature that advocates a rights-based approach in its training. It facilitates students find viable linkages between the professional function and of collaborating with other helping professions particularly those professions that stand up for human rights and social justice. The syllabus enables the student to analyze a wide range of emerging social issues, generate solutions and to a large extent generate grounded knowledge for the same.
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COURSE NAME	COURSE CODE	COURSE OUTCOME
<b>Semester:1</b>		
Introduction to Social Work	119C11	<ul style="list-style-type: none"> <li>• Understand the meaning, ethics, objectives, and principles of social work.</li> <li>• Recognize social work as a profession.</li> <li>• Define and explain core concepts of social work.</li> <li>• Explore the history, development, and methods of social work across practice fields.</li> </ul>
Sociology for Social Work	119E1A	<ul style="list-style-type: none"> <li>• Understand the relevance of sociology to social work.</li> <li>• Learn about societal systems and their importance.</li> <li>• Apply sociological knowledge in social work practice.</li> <li>• Analyze societal issues and experiment with social work methods.</li> </ul>
Social Problems in India	119S1A	<ul style="list-style-type: none"> <li>• Understand the relevance of social problems in India.</li> <li>• Identify different types of social problems and their challenges.</li> <li>• Apply knowledge and assess welfare schemes to address and eradicate social problems.</li> </ul>



Field Work- I	119C11	<ul style="list-style-type: none"> <li>• Predict behavior and develop the skills to establish relationships with individuals, groups and communities.</li> <li>• Experience the activities of various agencies</li> <li>• Analyze the various projects of government and non-government organizations</li> <li>• Develop report writing skill and understand the role of professional Social Workers.</li> </ul>
Semester 2		
Social Case Work	119C2A	<ul style="list-style-type: none"> <li>• Understand the principles and process of social casework.</li> <li>• Apply theories and models to address individual problems.</li> <li>• Develop analytical and practical skills for working with individuals in diverse settings.</li> </ul>
Psychology for Social Work	119E2A	<ul style="list-style-type: none"> <li>• Understand human growth, development, and psychological principles relevant to social work.</li> <li>• Evaluate developmental tasks, hazards, and mental health intervention methods.</li> <li>• Explore key psychological concepts like learning, memory, intelligence, and motivation.</li> </ul>
Marriage and Family Life	119S2A	<ul style="list-style-type: none"> <li>• Understand the concept of marriage and its challenges.</li> <li>• Learn the role of family, school, and media in family life education and communication.</li> <li>• Identify welfare services for resolving family disputes and issues in family life.</li> </ul>
Field Work II	119C11	<ul style="list-style-type: none"> <li>• Analyze personal behavior and its impact.</li> <li>• Build relationship skills with individuals, groups, and communities.</li> <li>• Explore activities and projects of various agencies and organizations.</li> <li>• Develop report-writing skills and understand the roles of professional social workers.</li> </ul>

<b>Semester 3:</b>		
Social Work Practice with Groups	AW23A	<ul style="list-style-type: none"> <li>● Understand the method working with groups as a primary method of Social Work □</li> <li>● Comprehend the models and approached of working with groups □</li> <li>● Imbibe skills and techniques of working with groups</li> </ul>
Human Behavior	AW33A	<ul style="list-style-type: none"> <li>● □ Understand various aspects of Human Behaviour □</li> <li>● Apply theories and approaches in field work □</li> <li>● Comprehend the aspects of mental health</li> </ul>
Field Work III	AW231	<ul style="list-style-type: none"> <li>● □ Articulate the socio-economic conditions of the people in the community □</li> <li>● Access the basic needs and problems of the people in the community □</li> <li>● Identify and link resources within and outside the community</li> </ul>
<b>Semester 4:</b>		
Social Work Practice with Communities & Social Action	AW24A	<ul style="list-style-type: none"> <li>● Understand the method working with communities as a primary method of Social Work □</li> <li>● Comprehend the models and approached of working with communities □</li> <li>● Imbibe skills and techniques of working with communities</li> </ul>
Economic and Political Systems	AW34A	<ul style="list-style-type: none"> <li>● □ Understand the relevance of Economics and Politics in Social Work □</li> <li>● Identify characteristics of developed and developing economies □</li> <li>● Analyze developmental issues from a socio-political and economic perspective</li> </ul>

Field Work IV	AW241	<ul style="list-style-type: none"> <li>• Display skills in observation and communication <input type="checkbox"/> Ability to write analytical reports <input type="checkbox"/></li> <li>• Identify community leadership and resources <input type="checkbox"/></li> <li>• Draw up a community profile. community (Youth, Women, Children and Senior Citizens).</li> </ul>
Semester V		
Social Welfare Administration	AW25A	<ul style="list-style-type: none"> <li>• <input type="checkbox"/> Understand the need for human resource development in the welfare sector <input type="checkbox"/></li> <li>• Understand and use basic elements of administration in field work practice <input type="checkbox"/></li> <li>• Acquire knowledge on the various laws and policies for Social Work practice</li> </ul>
Generalist Practice of Social Work	AW25B	<ul style="list-style-type: none"> <li>• <input type="checkbox"/> Understand a holistic/ systems perspective in Social Work practice <input type="checkbox"/></li> <li>• Consciously apply the theoretical approaches of generalist practice <input type="checkbox"/></li> <li>• Imbibe skills and techniques of the generalist practice</li> </ul>
Social Work Research and Statistics	AW25C	<ul style="list-style-type: none"> <li>• <input type="checkbox"/> Understand the purpose and importance of research as a method in Social work <input type="checkbox"/></li> <li>• Develop competence to conceptualize a research problem <input type="checkbox"/></li> <li>• Conduct and write a small research report</li> </ul>
Human Rights	AW45B	<ul style="list-style-type: none"> <li>• Develop sensitivity on rights of self and others <input type="checkbox"/></li> <li>• Promote the rights of marginalized groups <input type="checkbox"/></li> <li>• Use of methods and strategies to safeguard human rights</li> </ul>
Field Work V	AW251	<ul style="list-style-type: none"> <li>• Ability to plan independently for programmes</li> <li>• <input type="checkbox"/> Identify resources and funding options (ex. Medical camps. Awareness programmes) <input type="checkbox"/></li> </ul>

		<ul style="list-style-type: none"> <li>• Ability to produce reports and monographs</li> </ul>
Semester 6:		
Fields of Social Work	AW26A	<ul style="list-style-type: none"> <li>• Familiarize with challenges of practice in the various fields <input type="checkbox"/></li> <li>• Awareness on varied client groups and their requirements <input type="checkbox"/></li> <li>• Build competency in addressing diverse and special problems</li> </ul>
Women Development	AW26B	<ul style="list-style-type: none"> <li>• <input type="checkbox"/> Understand concepts of gender in society</li> <li>• <input type="checkbox"/> Understand approaches to development specific for women <input type="checkbox"/></li> <li>• Apply knowledge, attitude and skills in social work practice for women</li> </ul>
Health Care	AW46A	<ul style="list-style-type: none"> <li>• <input type="checkbox"/> Apply knowledge of health concepts and diseases in the community <input type="checkbox"/></li> <li>• Demonstrate knowledge on food and health food practices <input type="checkbox"/></li> <li>• Link communities with health care services</li> </ul>
Social Work Enterprise Management	AW46C	<ul style="list-style-type: none"> <li>• <input type="checkbox"/> Apply knowledge of health concepts and diseases in the community <input type="checkbox"/></li> <li>• Demonstrate knowledge on food and health food practices <input type="checkbox"/></li> <li>• Link communities with health care services</li> </ul>
Field Work VI	AW261	<ul style="list-style-type: none"> <li>• Understand varied approaches of the placement NGOs <input type="checkbox"/></li> <li>• Identify special groups in communities <input type="checkbox"/></li> <li>• Be proficient in analytical writing <input type="checkbox"/></li> <li>• Critical analysis of human problems <input type="checkbox"/></li> <li>• Comprehend the holistic approach in working with people.</li> </ul>



## BCOM- ACCOUNTING AND FINANCE

<b>Programme Specific outcomes</b>	<p>The learner develops the necessary skills and attributes to enable them to work in multi-dimensional business situations as efficient financial managers of the organisation.</p> <p>By the end of the study the learner will be able to demonstrate a working knowledge of corporate finance, markets, and instruments, as well as gather, interpret, and evaluate accounts and financial details.</p>
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### Semester – I

<b>Subject / Name</b>	<b>Course Code</b>	<b>Course Outcomes</b>
Core Paper III Advance Financial Accounting -	144C2A	By the end of the course, students will be able to <ul style="list-style-type: none"><li>● To evaluate the Hire purchase accounts and Instalment systems</li><li>● To prepare Branch accounts and Departmental Accounts</li><li>● To understand the accounting treatment for admission and retirement in partnership</li><li>● To know Settlement of accounts at the time of dissolution of a firm.</li><li>● To elaborate the role of IFRS</li></ul>
		●
Elective Paper I Business Communication	144E1A	By the end of the course, students will be able to <ul style="list-style-type: none"><li>● Acquire the basic concept of business communication.</li><li>● Exposed to effective business letter</li><li>● Paraphrase the concept of various correspondences.</li><li>● Prepare Secretarial Correspondence like agenda, minutes and various business reports.</li><li>● Acquire the skill of preparing an effective resume</li></ul>

## Semester II

Core Paper – IV Business Law	144C2B	By the end of the course, students will be able to <ul style="list-style-type: none"><li>● Explain the Objectives and significance of Mercantile law</li><li>● Understand the clauses and exceptions of Indian Contract Act.</li><li>● Explain concepts on performance, breach and discharge of contract.</li><li>● Outline the contract of indemnity and guarantee</li><li>● Explain the various provisions of Sale of Goods Act 1930</li></ul>
Elective Paper II- Working Capital Management	144E2B	By the end of the course, students will be able to <ul style="list-style-type: none"><li>● Construct the factors influencing working capital requirements and estimate it</li><li>● Classify the approaches to financing Currents Assets</li><li>● Determine the importance of cash management and cash budgeting</li><li>● Formulate the receivables management and credit policy evaluation</li><li>● Discuss about the Techniques of inventory management, EOQ, ABC, VED, and FSN Analysis</li></ul>

**Semester - III**

<b>Subject / Name</b>	<b>Course Code</b>	<b>Course Outcomes</b>
Core Paper V - Corporate Accounting - I	244C3A	By the end of the course, students will be able to <ul style="list-style-type: none"><li>● Prepare and account for various entries to be passed in case of issue, forfeiture and reissue of shares and compute the liability of underwrites</li><li>● Asses the accounting treatment of issue and redemption of preference shares and debentures</li><li>● Construct Financial Statements applying relevant accounting treatments</li><li>● Compute the value of goodwill and shares under different methods and assess its applicability</li><li>● Integrate theoretical knowledge on all accounting in par with IFRS and IND AS</li></ul>
Core Paper VI - Company Law	244C3B	By the end of the course, students will be able to <ul style="list-style-type: none"><li>● Understand the classification of companies under the act</li><li>● Examine the contents of the Memorandum of Association &amp; Articles of Association</li><li>● Know the qualification and disqualification of Auditors</li><li>● Understand the workings of National Company Law Appellate Tribunal (NCLAT)</li><li>● Analyse the modes of winding up</li></ul>
Elective Paper III- Business Mathematics & Statistics	244E3B	By the end of the course, students will be able to <ul style="list-style-type: none"><li>● Learn the basics of ratio, proportion, indices and proportions</li><li>● Familiarise with calculations of simple and compound interest and arithmetic, geometric and harmonic progressions.</li><li>● Determine the various measures of central tendency</li><li>● Calculate the correlation co-efficients</li><li>● Assess problems on time series analysis</li></ul>



## Semester – IV

Subject / Name	Course Code	Course Outcomes
Core Paper VI Advanced Corporate Accounting – II	244C4A	By the end of the course, students will be able to <ul style="list-style-type: none"> <li>• Understand the accounting treatment of amalgamation, Internal and external reconstruction</li> <li>• Construct Profit and Loss account and Balance Sheet of Banking Companies in accordance in the prescribed format.</li> <li>• Synthesize and prepare final accounts of Insurance companies in the prescribed format</li> <li>• Give the consolidated accounts of holding companies</li> <li>• Preparation of liquidator's final statement of account</li> </ul>
Core Paper VII – Principles of Marketing	244C4B	By the end of the course, students will be able to <ul style="list-style-type: none"> <li>• Develop an understanding on the role and importance of marketing</li> <li>• Apply the 4p's of marketing in their venture</li> <li>• Identify the factors determining pricing</li> <li>• Use the different Channels of distribution of industrial goods</li> <li>• Understand the concept of E-marketing and E-Tailing</li> </ul>
Elective Paper IV Elements of Operation Research	CZ34A	<ul style="list-style-type: none"> <li>• Frame a linear programming problem for quantitative decisions in business planning.</li> <li>• Optimise economic factors by applying transportation and assignment problems.</li> <li>• Apply the concept of game theory and simulation for optimal decision making.</li> <li>• Analyse and manage inventories to meet the changes in market demand.</li> <li>• Construct networks including PERT, CPM for strategic management of business projects.</li> </ul>

Subject / Name	Course Code	Course Outcomes
Core Paper IX Cost Accounting – I	344C5A	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>• Remember and recall the various concepts of cost accounting</li> <li>• Demonstrate the preparation and reconciliation of cost sheet.</li> <li>• Analyse the various valuation methods of issue of materials.</li> <li>• Examine the different methods of calculating labour cost.</li> <li>• Critically evaluate the apportionment of Overheads.</li> </ul>
Core Paper X - Banking Law And Practice	344C5B	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>• Aware of various provision of Banking Regulation Act 1949 applicable to banking companies including cooperative banks</li> <li>• Analyse the evolution of Central Banking concept and prevalent Central Banking system in India and their roles and function</li> <li>• Gain knowledge about the Central Bank in India, its formation, nationalizing its organization structure, role of bank to government, role in promoting agriculture and industry, role in financial inclusion</li> <li>• Evaluate the role of capital fund of commercial banks, objectives and process of Asset securitization etc</li> <li>• Define the practical banking systems relationship of bankers and customers, crossing of cheques, endorsement etc.</li> </ul>
Core Paper XI- Income Tax – Law and Practice -1	344C5C	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>• Demonstrate the understanding of the basic concepts and definitions under the Income Tax Act.</li> <li>• Assess the residential status of an assessee &amp; the incidence of tax.</li> <li>• Compute income of an individual under the head salaries.</li> <li>• Ability to compute income from house property.</li> <li>• Evaluate income from a business carried on or from the practice of a Profession.</li> </ul>

Core Paper XII - Auditing & Corporate Governance –	344C5D	By the end of the course, students will be able to <ul style="list-style-type: none"> <li>● Define auditing and its process.</li> <li>● Compare and contrast essence of internal check and internal control.</li> <li>● Identify the role of auditors in companies.</li> <li>● Define the concept of Corporate Governance.</li> <li>● Appraise the implications of Corporate Social Responsibility</li> </ul>
Elective Paper V – Financial Management -	344E5A	By the end of the course, students will be able to <ul style="list-style-type: none"> <li>● Recall the concepts in financial management.</li> <li>● Apply the various capital structure theories.</li> <li>● Apply capital budgeting techniques to evaluate investment proposals.</li> <li>● Determine dividend pay-outs.</li> <li>● Estimate the working capital of an organization</li> </ul>

Semester - VI			
S.No.	Subject / Course Name & Code		Course Outcomes
1.	Core Paper XII Cost Accounting – II	344C6A	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>Remember and recall standards in cost accounting</li> <li>Apply the knowledge in contract costing</li> <li>Analyze and assimilate concepts in process costing</li> <li>Understand various bases of classification cost and prepare operating cost statement.</li> <li>Set up standards and analyse variances.</li> </ul>
2.	Core Paper XVIII Management Accounting	344C6B	<p>By the end of the course, students will be able to</p> <p>Remember and recall basics in management accounting</p> <p>Apply the knowledge of preparation of Financial Statements</p> <p>Analyse the concepts relating to fund flow and cash flow</p> <p>Evaluate techniques of budgetary control</p> <p>Formulate criteria for decision making using principles of marginal costing.</p>
3.	Paper XIX Income Tax Law & Practice II	344C6C	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>Remember and recall provisions on capital gains</li> <li>Apply the knowledge about income from other sources</li> <li>Analyse the set off and carry forward of losses provisions</li> <li>Learn about assessment of individuals</li> <li>Apply procedures learnt about assessment procedures</li> </ul>

4.	Elective Paper VI Financial Reporting	344E6C	By the end of the course, students will be able to <ul style="list-style-type: none"> <li>• Identify the basic reporting structure of accounting information, statements framework and Indian Accounting Standards</li> <li>• Describe the process of Disclosures under Companies Act, 2013</li> <li>• Prepare various financial statement, Ratio Analysis and cash Flow Analysis</li> <li>• Understand the techniques of financial decision making in the business corporates.</li> <li>• Explain the recent trends on reporting and integrated reports</li> </ul>
5.	Elective Paper VII Basics Of Ms Excel	344E6D	By the end of the course, students will be able to <ul style="list-style-type: none"> <li>• Develop And Apply Fundamental Spread Sheet Skills.</li> <li>• Understanding Various Tools Used In Ms-Excel.</li> <li>• Knowledge On Various Statistical Tests in Ms-Excel.</li> <li>• Demonstrate Proficiency in Using Complex Spread Sheet Tools Such as Formulas and Functions.</li> <li>• Develop Trending Application Using MS-Excel</li> </ul>

### **BSc Computer Science with Data Science**

<b>PROGRAMME OUTCOMES</b>	<ol style="list-style-type: none"> <li>1. Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate Programme of study</li> <li>2. Communication Skills: Ability to express thoughts and ideas effectively in writing and orally; Communicate with others using appropriate media; confidently share one's views and express herself/himself; demonstrate the ability to listen carefully, read and write analytically, and present complex information in a clear and concise manner to different groups.</li> <li>3. Critical thinking: Capability to apply analytic thought to a body of knowledge; analyse and evaluate evidence,</li> </ol>
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	<p>arguments, claims, beliefs on the basis of empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach to knowledge development</p> <ol style="list-style-type: none"> <li>4. Problem solving: Capacity to extrapolate from what one has learned and apply their competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's learning to real life situations.</li> <li>5. Analytical reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and addressing opposing viewpoints</li> <li>6. Research-related skills: A sense of inquiry and capability for asking relevant/appropriate questions, problem arising, synthesising and articulating; Ability to recognise causeandeffect relationships, define problems, formulate hypotheses, test hypotheses, analyse, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and report the results of an experiment or investigation</li> <li>7. Cooperation/Teamwork: Ability to work effectively and respectfully with diverse teams; facilitate cooperative or coordinated effort on the part of a group, and act together as a group or a team in the interests of a common cause and work efficiently as a member of a team</li> <li>8. Scientific reasoning: Ability to analyse, interpret and draw conclusions from quantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective</li> <li>9. Reflective thinking: Critical sensibility to lived experiences, with self awareness and reflexivity of both self and society.</li> <li>10. Information/digital literacy: Capability to use ICT in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data.</li> </ol>
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## Bsc Computer Science with Data Science

<b>PROGRAMME SPECIFIC OUTCOMES</b>	<ol style="list-style-type: none"> <li>1. To enable students to apply basic microeconomic, macroeconomic and monetary concepts and theories in real life and decision making.</li> <li>2. To sensitize students to various economic issues related to Development, Growth, International Economics, Sustainable Development and Environment.</li> <li>3. To familiarize students to the concepts and theories related to Finance, Investments and Modern Marketing.</li> <li>4. Evaluate various social and economic problems in the society and develop answer to the problems as global citizens.</li> <li>5. Enhance skills of analytical and critical thinking to analyze effectiveness of economic policies.</li> </ol>	
<b>COURSE NAME</b>	<b>COURSE CODE</b>	<b>COURSE OUTCOME</b>
<b>Semester:1</b>		
Core-I: Python Programming	127C1A	<ul style="list-style-type: none"> <li>• Develop and execute simple Python programs</li> <li>• Write simple Python programs using conditionals and looping for solving problems</li> <li>• Decompose a Python program into functions</li> <li>• Represent compound data using Python lists, tuples, dictionaries etc.</li> <li>• Read and write data from/to files in Python programs</li> </ul>
Core-II: Python Programming Practical	127C11	<ul style="list-style-type: none"> <li>• To understand the problem solving approaches</li> <li>• To learn the basic programming constructs in Python</li> <li>• To practice various computing strategies for Python-based solutions to real world problems</li> <li>• To use Python data structures - lists, tuples, dictionaries.</li> <li>• To do input/output with files in Python.</li> </ul>
<b>Elective – I</b> Mathematics I	127E1A	<ul style="list-style-type: none"> <li>• Students gain knowledge about the basic concepts of Algebra, Theory of Equations.</li> <li>• They also gain the basic knowledge in Matrices, Trigonometry and Differential Calculus.</li> </ul>

<b>Semester II</b> <b>CORE – III</b> Java Programming	127C2A	<ul style="list-style-type: none"> <li>• Understand the basic Object-oriented concepts. Implement the basic constructs of Core Java</li> <li>• Implement inheritance, packages, interfaces and exception handling of Core Java.</li> <li>• Implement multi-threading and I/O Streams of Core Java</li> <li>• Implement AWT and Event handling.</li> <li>• Use Swing to create GUI.</li> </ul>
<b>CORE – IV</b> Java Programming Practical	127C21	<ul style="list-style-type: none"> <li>• Code, debug and execute Java programs to solve the given problems</li> <li>• Implement multi-threading and exception-handling</li> <li>• Implement functionality using String and String Buffer classes</li> <li>• Demonstrate Event Handling.</li> <li>• Create applications using Swing and AWT</li> </ul>
<b>Elective – II</b>  Mathematics II	127E2A	<ul style="list-style-type: none"> <li>• Necessary skills to analyze and make decision on Assignment and Transportation problems Simple Harmonic Motion</li> <li>• To solve real world problems on Sequencing and Network and its applications</li> </ul>



## BA English

<b>PROGRAMME SPECIFIC OUTCOMES</b>	<ul style="list-style-type: none"><li>● Read and interpret various literary texts focusing on themes, generic conventions, historical contexts, linguistic and stylistic variations and innovations.</li><li>● Analyse texts, evaluate ideas and apply critical concepts and categories with clarity</li><li>● Work independently in terms of reading literary and critical texts and situate one's own reading, be aware of one's position in terms of society, religion, caste, region, gender and politics, to be self-reflexive and self-questioning</li><li>● Developing a research framework and presenting their independent ideas effectively.</li><li>● Equipping their employability skills to excel in professions like teaching and exposing them to various activities to empower them through communication skills.</li><li>● Enabling a holistic perspective towards the socio-political inequalities and environmental issues</li></ul>
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COURSE NAME	COURSE CODE	COURSE OUTCOME
<b>Semester - 1</b>		
<b>FOUNDATION COURSE ENGLISH</b>  GENERAL ENGLISH I	100L 1Z	On completion of this course, students will: <ul style="list-style-type: none"> <li>● Acquire self - awareness and positive thinking required in various life situations.</li> <li>● Acquire the attribute of empathy.</li> <li>● Acquire creative and critical thinking abilities.</li> <li>● Learn basic grammar.</li> <li>● Development and integrate the use of four language skills i.e., listening, speaking, reading and writing.</li> </ul>
<b>CORE – 1</b>  INTRODUCTION TO ENGLISH LITERATURE	105C1A	<ul style="list-style-type: none"> <li>● Understand and describe the basic elements of poetry, including meter, rhyme, and theme.</li> <li>● Gain knowledge of the elements of fiction including narrative structure, character analysis and comparison between different but related texts.</li> <li>● Have an idea about dramatic storytelling including play structure, monologues, dialogue, and scene setting.</li> <li>● Use library resources to research and develop arguments about literary works.</li> <li>● Work skillfully within a team, respect coworkers, delegate work and contribute to a group project.</li> </ul>

<p><b>CORE – II</b></p> <p>INDIAN WRITING IN ENGLISH</p>	<p>105C1B</p>	<ul style="list-style-type: none"> <li>● Appreciate the historical trajectory of various genres of Indian Writing in English from colonial times to till the present.</li> <li>● Analyze Indian literary texts written in English in terms of colonialism, postcolonialism, regionalism, and nationalism.</li> <li>● Understand the role of English as a medium for political awakening and the use of English in India for creative writing.</li> <li>● Analyze how the sociological, historical, cultural and political context impacted the texts selected for study.</li> <li>● Evaluate critically the contributions of major Indian English poets and dramatists</li> </ul>
<p><b>ELECTIVE – I</b></p> <p>SOCIAL HISTORY OF ENGLAND</p>	<p>105E1A</p>	<ul style="list-style-type: none"> <li>● Gain extensive insight into the history of English literature, while laying special emphasis on various literary movements, genres and writers that are held to be the representatives of their times.</li> <li>● Evaluate the way socio-cultural and historical phenomena influence the literary production of a particular period.</li> <li>● Familiarize themselves with the socio-cultural ambience and the discursive frameworks of various ages.</li> <li>● Develop a nuanced appreciation of the literary stalwarts of those times.</li> <li>● Gain in-depth understanding on the growth of the English language under the influence of various other languages including Latin and French, besides being mentored in the structural nitty-gritties of the language.</li> </ul>

COURSE NAME	COURSE CODE	COURSE OUTCOME
<b>Foundation (Bridge) Course</b>		
<b>Foundation (Bridge) Course</b>  FUNDAMENTAL FRAMEWORK FOR READING ENGLISH LITERATURE	105B1A	<ul style="list-style-type: none"> <li>● Attain communicative competence so that they can use language accurately and appropriately.</li> <li>● Understand the basic features of communication and aim at improving language skills.</li> <li>● Gain useful letter/report writing tools, tips and techniques to effectively apply the skills to their everyday workplace correspondence.</li> <li>● Demonstrate the particulars of writing effective emails, whilst improving punctuation and grammar.</li> <li>● Make sure that the style, content and message is concise, correct and appropriate.</li> </ul>
<b>Semester - II</b>		
<b>FOUNDATION COURSE ENGLISH</b>  GENERAL ENGLISH-II	100L2Z	<ul style="list-style-type: none"> <li>● Realize the importance of resilience.</li> <li>● Become good decision-makers.</li> <li>● Imbibe problem-solving skills.</li> <li>● Use tenses appropriately.</li> <li>● Use English effectively at the work place.</li> </ul>
<b>CORE – III</b>  BRITISH LITERATURE-I	105C2A	<ul style="list-style-type: none"> <li>● Demonstrate knowledge of the major social, political, philosophical, and scientific events forming the back drop for the development of early British Literature.</li> <li>● Synthesize, integrate, and connection formation by Writing essays using techniques of critic is made by evaluation.</li> <li>● Read and discuss the themes, approaches, styles, and contributions to the development of British literature from the Medieval Period to the end of the eighteenth-century.</li> <li>● Distinguish between the characteristics of British literary movements in discussing and writing about British literature.</li> <li>● Critically appreciate literature using standard literary terminology and other literary conventions.</li> </ul>

<b>CORE – IV</b>  AMERICAN LITERATURE	105C2B	<ul style="list-style-type: none"> <li>● Analyze and discuss works of American literature from arrange of genres (e.g. poetry, nonfiction, slave narrative, captivity narrative, literary fiction, genre fiction, sermon, public proclamations, letters, etc.).</li> <li>● Identify relationships between moments in American history, colonialism, and culture and their representation in works of American literature.</li> <li>● Articulate ways that American literature reflects complex historical and cultural experiences.</li> <li>● Produce a mix of critical, creative, and/ or reflective works about American literature to 1865.</li> <li>● Analyze and describe about American literature using standard literary terminology and other literary conventions.</li> </ul>
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<b>Elective – II</b>  SOCIAL HISTORY OF ENGLAND-II	105E2A	<ul style="list-style-type: none"> <li>● Recognize the milestones of British History from 18th century till the modern age and can relate how these movements influence the English society and Literatures of that period.</li> <li>● Identify the various revolutions and movements of English society leading to form a crucial opinion for the benefit of humanity.</li> <li>● Examine the causes and consequences of the war of Americans and French.</li> <li>● Evaluate the effects of the revolutions and their impacts in literature in a better perspective.</li> <li>● Analyze the reforms and the development of education, transport and communication in the modern era.</li> </ul>
<b>SEC III</b>  DIGITAL LITERACY AND CONCEPTS	105S2B	<ul style="list-style-type: none"> <li>● Gain knowledge of digital literacy.</li> <li>● Acquire skills in text literacies and language.</li> <li>● Acquire skills in information digital literacy.</li> <li>● Build confidence in using digital literacy.</li> <li>● Aware of the various types socio-economic factors in digital literacy.</li> </ul>

COURSE NAME	COURSE CODE	COURSE OUTCOME
<b>Semester: III</b>		
<b>FOUNDATION COURSE ENGLISH</b>  GENERAL ENGLISH	200L3Z	<ul style="list-style-type: none"> <li>● Listen actively.</li> <li>● Develop interpersonal relationship skills.</li> <li>● Acquire self-confidence to cope with stress.</li> <li>● Master grammar skills.</li> <li>● Carry out business communication effectively</li> </ul>
<b>CORE – V</b>  BRITISH LITERATURE-II	205C3A	<ul style="list-style-type: none"> <li>● Exhibit an understanding of and appreciation for key works in British literature, as evidenced in daily work and course discussions.</li> <li>● Demonstrate an understanding of periodisation, theme, genre, motif, and so on, in British literature.</li> <li>● Establish an understanding that historical, cultural, spiritual, and ethical issues, among others, shape human experiences and impact motivations.</li> <li>● Respond to literature on important thematic considerations having to do with literary and historical milieu, culture, human responsibility, morality, ethics, and the manner and causes by which humans interact with one another.</li> <li>● Analyze and express about British literature using standard literary lexicon and other literary conventions.</li> </ul>
<b>CORE - VI</b>  CHILDREN’S LITERATURE	205C3B	<ul style="list-style-type: none"> <li>● Recognize the various genres of Children’s Literature.</li> <li>● Acquire values through their reading of the works of Children’s Literature.</li> <li>● Appreciate and criticize the similarities and differences in cultural imaginations.</li> <li>● Recognize the themes and artistic style employed in Children’s Literature.</li> <li>● Critically evaluate the different approaches to Children’s Literature in various countries.</li> </ul>

<b>ELECTIVE - III</b>  HISTORY OF ENGLISH LITERATURE - I	205E3A	<ul style="list-style-type: none"> <li>● Gain extensive insight into the history of English literature, while laying special emphasis on various literary movements, genres and writers that are held to be the representatives of their times.</li> <li>● Evaluate the way socio-cultural and historical phenomena influence the literary production of a particular period.</li> <li>● Familiarize themselves with the socio-cultural ambience and the discursive frameworks of various ages.</li> <li>● Develop a critical appreciation of the literary stalwarts of the respective periods.</li> <li>● Gain in-depth understanding on the growth of the English language under the influence of various other languages including Latin and French, besides being mentored in the structural nitty-gritties of the language.</li> </ul>
<b>SEC-IV</b>  ENTREPRENEURIAL SKILLS	205S3A	<ul style="list-style-type: none"> <li>● Understand the foundation of Entrepreneurship Development and its theories.</li> <li>● Explore entrepreneurial skills and management function of a company.</li> <li>● Identify the type of entrepreneur and the steps involved in an entrepreneurial venture.</li> <li>● Understand various steps involved in starting a venture.</li> <li>● Explore marketing methods &amp; new trends in entrepreneurship</li> </ul>
<b>SEC-V</b>  INTERVIEW SKILLS	205S3B	<ul style="list-style-type: none"> <li>● Use the STAR Method to describe relevant experiences in a way that reflects knowledge of the job/internship position description and employer.</li> <li>● Identify appropriate verbal and non-verbal communication skills/techniques for an interview (e.g. eye contact, use of Filler words, hand gestures, and verbal pace).</li> <li>● Demonstrate professional behavior(s) including preparedness, professional attire, and respectful presentation.</li> <li>● Develop confidence in relationship to their interviewing skills.</li> <li>● Be able to identify, discuss, and implement key job interview skills.</li> </ul>

### Semester III

COURSE NAME	COURSE CODE	COURSE OUTCOME
British Literature - Paper III	AG23A	To introduce a few seminal texts of mainstream writers to students and to enable them to understand and interpret literary works of the Victorian age and Twentieth century.
Aspects of English Language - Paper I	AG23B	<ul style="list-style-type: none"><li>● To recall, reinforce and test knowledge of English grammar.</li><li>● To sensitise on correct and incorrect use of the English language.</li></ul>
Background to English Literature - Paper III	AG33A	This paper aims at introducing basic concepts about English history, literary forms and literary periods with linguistic, historical background to enable students to understand the contexts and background of British literature of the Twentieth Century

### Semester IV

COURSE NAME	COURSE CODE	COURSE OUTCOME
American Literature - Paper I	AG24A	To introduce the students to the evolution of American literature through the study of pioneering texts.
Aspects of English Language - Paper II	AG24B	To provide learners the fundamentals of English Linguistics and sensitise learners on the nuances of English language to enable them to use English with a thorough knowledge of its aspects.
Background to European and American Literatures	AG34A	This paper aims at introducing basic concepts about seminal



		concepts from European and American histories to enable students to understand the contexts and background of European and American literature.
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### Semester V

COURSE NAME	COURSE CODE	COURSE OUTCOME
American Literature - Paper II	AG25A	To enable the students to understand the trends in American Literature through the study of seminal texts and its contribution.
World Classics in Translation	AG25B	This paper aims at introducing students to a few seminal classics of the world to expose them to classical literary styles and perspectives and gain an understanding of early human experiences from different parts of the world.
Aspects of English Language - Paper III	AG25C	<ul style="list-style-type: none"> <li>● To introduce learners to the different ways in which language is used.</li> <li>● To sensitise learners to the different ways in which English is spoken in India.</li> <li>● To make learners identify the differences between American and British English.</li> <li>● To enhance the writing skills of learners.</li> <li>● To use language in the technological world.</li> </ul>
Introduction to Literary Theories and Criticism	AG25D	To Introduce the basic concepts of Western literary theory and criticism to students
Introduction to Journalism (Or) English Language	AG45C	<ul style="list-style-type: none"> <li>● To introduce the basic concepts in Journalism and give knowledge about the various aspects and latest.</li> </ul>

Teaching (Or) Writing for the New Media		<p>developments in the field of Journalism. To give inputs that help identify skills suitable for aspiring a career in Journalism</p> <ul style="list-style-type: none"> <li>● This course aims to introduce essential theories and practises of English Language Teaching to teach second language learners and provide the fundamental knowledge and skills to pursue teaching as a career</li> <li>● To familiarise students with writing skills for the different kinds of media. To equip them with practical knowledge for the evolving writing ecology and empower them for employment.</li> </ul>
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### Semester VI

COURSE NAME	COURSE CODE	COURSE OUTCOME
Postcolonial Literatures in English	<b>AG26A</b>	<ul style="list-style-type: none"> <li>● To introduce a cross-section of writings in English from the colonised nations to illustrate their similarities and differences and their richness and variety</li> <li>● To study in context, local histories, politics and cultural patterns, and the impact of colonial forces on them and comprehend the extent to which they interrogate Eurocentric conceptions of culture and language.</li> </ul>

Contemporary Literature	<b>AG26B</b>	To introduce a few modern and contemporary writings, in all its diversity, to study the issues and experiences that dominated the world in the twentieth century and after.
Indian literatures in English	<b>AG26C</b>	<ul style="list-style-type: none"> <li>• The aim of the course is to introduce students to the Indian Literary tradition through the study of representative translated texts from diverse parts of India.</li> </ul>
Creative Writing (or) Women's Writing (or) Literatures from the Margin	<b>AG46C</b>	<p>To offer a comprehensive course to nurture creative and writing skills required for various aspects of narrative, poetic and dramatic writing and also for content writing, advertising and related digital domains.</p> <p>This course intends to acquaint the students to the body of literature written by women as a discrete academic discipline and become aware of women's voices and perspectives and their integral role in human experiences.</p> <p>The Course intends to introduce 1. concepts on how to analyse, describe, and interpret subjugated peoples on the basis of racism in S. Africa and its multiple perspectives from persecuted Jewish and Gypsy families, the oppressed from India and their background based on literary periods with linguistic, historical background to enable students understand the contexts of their occurrence in the Twentieth Century.</p>
Green Studies (or) Introduction to Translation Studies  (Or) Film and Literature	<b>AG46F</b>	<ul style="list-style-type: none"> <li>• This paper seeks to give awareness, and to sensitise students on the role of literature in addressing contemporary social</li> </ul>

		<p>and environmental concerns, using the relevant Tinai and the postmodern Ecocriticism to analyse literary texts</p> <p>The course intends to</p> <ul style="list-style-type: none"> <li>● introduce the key concepts in Translation Studies</li> <li>● enable the students to appreciate and apply the basic tools of translation</li> </ul>
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## B.Sc. MATHEMATICS

<b>PROGRAMME SPECIFIC OUTCOMES</b>		<p><b><u>PSO1:</u></b> Acquire good knowledge and understanding, to solve specific theoretical &amp; applied problems in different area of mathematics &amp; statistics.</p> <p><b><u>PSO2:</u></b> Understand, formulate, develop mathematical arguments, logically and use quantitative models to address issues arising in social sciences, business and other context /fields.</p> <p><b><u>PSO3:</u></b> To prepare the students who will demonstrate respectful engagement with other's ideas, behaviours, and beliefs and apply diverse frames of references to decisions and actions. To create effective entrepreneurs by enhancing their critical thinking, problem solving, decision making and leadership skill that will facilitate startups and high potential organizations.</p>
<b>Semester</b>		<b>1</b>
<b>Subject Name</b>	<b>Subject Code</b>	<b>Course Outcome</b>
Algebra & Trigonometry	134C1A	<p>Students will be able to</p> <p>CLO 1: Classify and Solve reciprocal equations</p> <p>CLO 2: Find the sum of binomial, exponential and logarithmic series</p> <p>CLO 3: Find Eigen values, eigen vectors, verify Cayley – Hamilton theorem and diagonalize a given matrix</p> <p>CLO 4: Expand the powers and multiples of trigonometric functions in terms of sine and cosine</p> <p>CLO 5: Determine relationship between circular and hyperbolic functions and the summation of trigonometric series</p>
Differential Calculus	134C1B	<p>Students will be able to</p> <p>CLO 1: Find the nth derivative, form equations involving derivatives and apply Leibnitz formula</p> <p>CLO 2: Find the partial derivative and total derivative coefficient</p> <p>CLO 3: Determine maxima and minima of functions of two variables and to use the Lagrange's method of undetermined multipliers</p> <p>CLO 4: Find the envelope of a given family of curves</p> <p>CLO 5: Find the evolutes and involutes and to find the radius of curvature using polar co-ordinates</p>
Numerical Methods with Application	134E1B	Students will able to

		<p>CLO 1: Solve algebraic and transcendental equations using bisection method, iteration method, regula falsi method, and Newton Raphson method.</p> <p>CLO 2: Solve simultaneous linear equations using Gauss elimination method, Gauss Jordon method, and Gauss Seidel method.</p> <p>CLO 3: Use finite differences to calculate differences of a polynomial, factorial polynomials, differences of zero, and summation series.</p> <p>CLO 4: Perform interpolation using central differences formulae, and Gauss forward and backward formulae.</p> <p>CLO 5: Perform Numerical differentiation and integration.</p>
<b>Semester</b>	<b>2</b>	
<b>Subject Name</b>	<b>Subject Code</b>	<b>Course Outcome</b>
ANALYTICAL GEOMETRY (Two & Three Dimensions)	134C2A	<p>Students will be able to</p> <p>CLO 1: Find pole, polar for conics, diameters, conjugate diameters for ellipse and hyperbola</p> <p>CLO 2: Find the polar equations of straight line and circle, equations of chord, tangent and normal and to find the asymptotes of hyperbola</p> <p>CLO 3: Explain in detail the system of Planes</p> <p>CLO 4: Explain in detail the system of Straight lines</p> <p>CLO 5: Explain in detail the system of Spheres</p>
INTEGRAL CALCULUS	134C2B	<p>Students will be able to</p> <p>CLO 1: Determine the integrals of algebraic, trigonometric and logarithmic functions and to find the reduction formulae</p> <p>CLO 2: Evaluate double and triple integrals and problems using change of order of integration</p> <p>CLO 3: Solve multiple integrals and to find the areas of curved surfaces and volumes of solids of revolution</p> <p>CLO 4: Explain beta and gamma functions and to use them in solving problems of integration</p> <p>CLO 5: Explain Geometric and Physical applications of integral calculus</p>
CALCULUS OF FINITE DIFFERENCES	134E2B	<p>Students will be able to</p> <p>CLO 1: Find numerical differentiation using types of interpolation formulae</p>

		<p>CLO 2: Find numerical integration using Trapezoidal rule - Simpson's 1/3 rule – Simpson's 3/8 rule – Weddle's rule</p> <p>CLO 3: Solve linear homogeneous &amp; non-homogeneous difference equation with constant coefficients and calculate particular integrals</p> <p>CLO 4: Find numerical solution to ODE using Taylor's series, Picard's &amp; Eulers' Method</p> <p>CLO 5: Find numerical solution to ODE using Modified Euler's method &amp; 4th order RK method.</p>
<b>Semester</b>	<b>3</b>	
<b>Subject Name</b>	<b>Subject Code</b>	<b>Course Outcome</b>
VECTOR CALCULUS AND APPLICATIONS	234C3A	<p>Students will be able to</p> <p>CLO 1: Find the derivative of vector and sum of vectors, product of scalar and vector point function and to determine derivatives of scalar and vector products</p> <p>CLO 2: Applications of the operator 'del' and to Explain solenoidal and ir-rotational vectors</p> <p>CLO 3: Solve simple line integrals</p> <p>CLO 4: Solve surface integrals and volume integrals</p> <p>CLO 5: Verify the theorems of Gauss, Stoke's and Green's (Two Dimension)</p>
DIFFERENTIAL EQUATIONS AND APPLICATIONS	234C3B	<p>Students will be able to</p> <p>CLO 1: Determine solutions of homogeneous equations, non-homogeneous equations of degree one in two variables, solve Bernoulli's equations and exact differential equations</p> <p>CLO 2: Find the solutions of equations of first order but not of higher degree and to determine particular integrals of algebraic, exponential, trigonometric functions and their products</p> <p>CLO 3: Find solutions of simultaneous linear differential equations, linear equations of second order and to find solutions using the method of variations of parameters</p> <p>CLO 4: Form a PDE by eliminating arbitrary constants and arbitrary functions, find complete, singular and general integrals, to solve Lagrange's equations</p> <p>CLO 5: Explain standard forms and Solve Differential equations using Charpit's method</p>
MATHEMATICAL STATISTICS THEORY AND PRACTICAL	234E3A	<p>Students will be able to</p> <p>CLO 1: Able to understand identify random variables and distribution functions.</p>

		<p>CLO 2: Able to identify bivariate distribution characteristic, generating functions.</p> <p>CLO 3: Able to understand sampling distributions</p> <p>CLO 4: Able to understand estimators</p> <p>CLO 5: Able to understand the testing of hypothesis.</p>
<b>Semester</b>	<b>4</b>	
<b>Subject Name</b>	<b>Subject Code</b>	<b>Course Outcome</b>
INDUSTRIAL MATHEMATICS RESOURCE MANAGEMENT TECHNIQUES	234C4A	<p>Students will be able to</p> <p>CLO 1: Understand Formulation of Linear Programming Problem and solving LPP using Graphical and Simplex Method.</p> <p>CLO 2: Get skilled to solve transportation problem and sequencing problem.</p> <p>CLO 3: Understand simulation techniques.</p> <p>CLO 4: Construct Shewhart control charts and use variable control charts to monitor process performance.</p> <p>CLO 5: Design and implement acceptance sampling plans for attributes and variables.</p>
ELEMENTS OF MATHEMATICAL ANALYSIS	234C4B	<p>Students will be able to</p> <p>CLO 1: Explain in detail about sets and functions, equivalence and countability and the LUB axiom</p> <p>CLO 2: Explain Sequence and Subsequence of real numbers and to find the limit of sequence to test for convergent, divergent, bounded and monotone sequences</p> <p>CLO 3: Explain the operations on convergent and divergent sequences and to explain the concepts of limit superior and limit inferior and the notion of Cauchy sequences</p> <p>CLO 4: Classify the series of real numbers and the alternating series and their convergence and divergence, the conditional convergence and absolute convergence and solve problems on convergence of the sequences</p> <p>CLO 5: Explain about the metric spaces and functions continuous on a Metric space.</p>
TRANSFORM TECHNIQUES	234E4A	<p>Students will be able to</p> <p>CLO 1: Find the Laplace Transform and evaluation of integrals using Laplace Transform</p> <p>CLO 2: Apply Laplace transform to solve ordinary differential equations and equations involving integrals</p>



		<p>CLO 3: Expansion of Periodic Functions of Period 2, Expansion of Odd and Even Functions, Half Range Fourier Series and Change of Intervals</p> <p>CLO 4: Find the Fourier Transforms, Infinite Fourier Transforms and their properties</p> <p>CLO 5: Evaluate Fourier sine and cosine transform, Parseval's identity and learn convolution theorems.</p>
<b>Semester</b>	<b>5</b>	
<b>Subject Name</b>	<b>Subject Code</b>	<b>Course Outcome</b>
ABSTRACT ALGEBRA	334C5A	<p>Students will be able to</p> <p>CLO 1: Explain groups, subgroups and cyclic groups</p> <p>CLO 2: Explain about Normal subgroup, Quotient groups, Homomorphisms and Automorphisms and verify the functions for homomorphism and automorphism properties</p> <p>CLO 3: Explain Permutation groups and apply Cayley's theorem to problems</p> <p>CLO 4: Explain Rings, Ideals and Quotient Rings and examine their structure</p> <p>CLO 5: Discuss about the field of quotient of an integral domain and to Explain in detail about Euclidean Rings.</p>
REAL ANALYSIS	334C5B	<p>Students will be able to</p> <p>CLO 1: Explain the concepts of Continuous and Discontinuous functions, open and close sets, Connectedness, Completeness and Compactness</p> <p>CLO 2: Explain the concepts of bounded and totally bounded sets, continuity of inverse functions and Uniform continuity</p> <p>CLO 3: Define the sets of measure zero, to Explain about the existence and properties of Riemann integral</p> <p>CLO 4: Explain the concept of differentiability and to Explain Rolle's theorem, Law of mean, and Fundamental theorem of calculus</p> <p>CLO 5: Explain the point wise and uniform convergence of sequence of function and to derive the Taylor's theorem</p>
MATHEMATICAL MODELLING	334C5C	<p>Students will be able to</p> <p>CLO 1: Explain simple situations requiring Mathematical Modelling and to Determine the characteristics of such models</p> <p>CLO 2: Model using differential equations in-terms of linear growth and Decay models</p>

		<p>CLO 3: Model using systems of ordinary differential equations of first order, to discuss about various models under the categories ‘Epidemics’ and ‘Medicine’</p> <p>CLO 4: Explain in detail about difference equations</p> <p>CLO 5: Model using difference equations</p>
PROGRAMMING IN C THEORY AND PRACTICAL	334E5B	<p>Students will be able to</p> <p>CLO 1: Remember the program structure of C with its syntax and semantics</p> <p>CLO 2: Understand the programming principles in C (data types, operators, branching and looping, arrays, functions, structures, pointers and files</p> <p>CLO 3: Apply the programming principles learnt in real-time problems</p> <p>CLO 4: Analyze the various methods of solving a problem and choose the best method</p> <p>CLO 5: Code, debug and test the programs with appropriate test cases</p>
DISCRETE MATHEMATICS	334E5D	<p>Students will be able to</p> <p>CLO 1: Students will gain an understanding of the Basic definition of Logics with examples.</p> <p>CLO 2: Students will gain knowledge of Predicate Logic.</p> <p>CLO 3: Students will be able to implement and evaluate types of Lattices and Boolean Algebra</p> <p>CLO 4: Students will learn about Pigeon Hole principle and Permutation and Combination.</p> <p>CLO 5: Students will be able to gather information about Formal Languages.</p>
<b>Semester</b>	<b>6</b>	
<b>Subject Name</b>	<b>Subject Code</b>	<b>Course Outcome</b>
LINEAR ALGEBRA	334C6A	<p>Students will be able to</p> <p>CLO 1: Acquire a detailed knowledge about vector spaces and subspaces</p> <p>CLO 2: Explain the concepts of Linear Dependence, Linear Independence, Bases and Dimension of basis</p> <p>CLO 3: Explain the concept of Linear Transformations, their</p>

		<p>Matrix representation and the notion of dual spaces</p> <p>CLO 4: Find the Eigen values and Eigen vectors, to apply the concepts for diagonalisation</p> <p>CLO5: Explain about Inner product and norms and to apply Gram Schmidt Orthogonalization Process to problems on inner product spaces</p>
COMPLEX ANALYSIS	334C6B	<p>Students will be able to</p> <p>CLO 1: Explain about analytic functions, their differentiation and continuity and to verify the Harmonic functions using analyticity conditions</p> <p>CLO 2: Explain the concept of Conformal mappings and mappings by linear transformations and linear fractional transformations</p> <p>CLO 3: Explain about the integrations of functions over simply and multiply connected domains and to derive the Cauchy integral formula, Liouville's theorem, Fundamental theorem of Algebra and Maximum Module Principle</p> <p>CLO 4: Find the convergence the sequences and series, to derive Taylor's and Laurent's series</p> <p>CLO 5: Find the nature of singularities, to find the residue of a given function at a given singular point, to Explain about zeros and poles and to evaluate real improper integrals (Excluding poles on the real axis)</p>
MECHANICS	334C6C	<p>Students will able to</p> <p>CLO 1: Define Resultant, Component of a Force, Coplanar forces, like and unlike parallel forces, Equilibrium of a Particle, Limiting equilibrium of a particle on an inclined plane.</p> <p>CLO 2: Define Moment of a force and Couple with examples. Define Parallel Forces and Forces acting along a Triangle, Solve problems on frictional forces</p> <p>CLO 3: Define work, energy, power, rectilinear motions under varying forces. Define Simple Harmonic Motion and find its Geometrical representation.</p> <p>CLO 4: Define Projectile, impulse, impact and laws of impact. Prove that the path of a projectile is a parabola. Find the direct and oblique impact of smooth elastic spheres</p> <p>CLO 5: Define central orbits, explain conic as centered orbits and solve problems related to central orbits</p>
FUZZY SETS AND APPLICATIONS	334E6B	<p>Students will be able to</p> <p>CLO 1: Able to identify different types of fuzzy sets</p> <p>CLO 2: Able to find the union of two fuzzy sets</p>

		<p>CLO 3: Able to define fuzzy complements</p> <p>CLO 4: Able to explain cylindrical fuzzy relations</p> <p>CLO 5: Able to evaluate given decision making in fuzzy environment.</p>
<p>PROGRAMMING IN PYTHON WITH PRACTICALS</p>	334E6D	<p>Students will be able to</p> <p>CLO 1: Demonstrate the understanding of basic programming terminologies and packages of python language.</p> <p>CLO 2: Will gain knowledge on concepts and packages for data analysis, modelling, and visualization in python language.</p> <p>CLO 3: In depth understanding about structure and LOOP</p> <p>CLO 4: Analyze the time series data to design an optimized investment plan.</p> <p>CLO 5: Demonstrate financial and Economic</p>

## BSc Psychology

### PROGRAMME SPECIFIC OUTCOMES (PSO)

After completion of the undergraduate programme in Psychology, the student will

PSO1: Acquire knowledge on key concepts and theoretical approaches and gain understanding of the origin and recent advances in the discipline.

PSO2: Be able to think originally, utilize the knowledge and understanding of Psychology to develop, appreciate and test the theoretical concepts for applications in various arenas.

PSO3: Assess and critically evaluate central ideas and assumptions comprehensively facilitating research and analysis of data.

PSO4: Use the relevant sources of scientific knowledge to identify and generate novel solutions for problems for enhancement of self and community.

PSO5: Effectively communicate learned information both in written and oral format

PSO6: Develop capacity for individual and team work, understand and implement ethical principles necessary for professional up gradation

COURSE NAME	COURSE CODE	COURSE OUTCOME
<b>Semester:1</b>		
CORE – I INTRODUCTION TO PSYCHOLOGY-I	140C1A	<ul style="list-style-type: none"> <li>• CO1 (K1) Acquire knowledge on the history, methods and special areas in the field of Psychology</li> <li>• CO2 (K3) Explain sensory systems through which information processing happens</li> <li>• CO3 (K4) Relate the process of attention to perception and infer how we make sense of the world around us</li> <li>• CO4 (K5) Critically examine the process of learning</li> <li>• CO5 (K1, K4) Gain insight into complex emotional experiences of human being and analyse the experience of self in day to day life.</li> </ul>
Core – 2 BIOLOGICAL PSYCHOLOGY	140C1B	<p>CO1 (K2) Describe recent research methods and perspectives on the emerging field of Behavioural neuroscience and the reciprocal relationship between brain and behaviour.</p> <p>CO2 (K2) Understand anatomy and functions of the basic cell of the nervous system and explain the process of communication between neurons</p> <p>CO3 (K4) To understand and analyse the regulations of internal body states.</p> <p>CO4 (K1, K4) To understand the function of endocrine glands and relate the knowledge to Analyse various human behaviour.</p> <p>CO5 (K2) Describe the complex orchestrated</p>

		functioning of the nervous system describe the manifestation of biological deficits in behaviour.
Elective 1: Building Psychological Capital	140E1A	<ul style="list-style-type: none"> <li>● CO1 (K4) – To analyse the positive and negative approach and its effect on work determinants like, job motivation, satisfaction and performance.</li> <li>● CO2 (K2) – To understand the role of self-efficacy and ways to improve it.</li> <li>● CO3 (K2) – To distinguish the various conditions that implicate in developing hope and hopelessness and analyse ways to inculcate hope and build mental wellbeing.</li> <li>● CO4 (K2) – To distinguish the ways to build optimism and locus of control for better performance.</li> <li>● CO5 (K3, K4) – To analyse and apply 7C's Model of Resilience.</li> </ul>
SEC 2 (Foundation course) CAREERS AND ETHICS IN PSYCHOLOGY	140B1A	<p>CO1 (K2) Gain insight into various subfields in the field of psychology</p> <ul style="list-style-type: none"> <li>● CO2 (K5) Apply knowledge of psychology to formulate career choices.</li> <li>● CO3 (K2) Understand the purpose of ethics in psychological research</li> <li>● CO4 (K2) Identify and address ethical concerns in human and animal research with consideration of the American Psychological Association's code of Ethics</li> <li>● CO5 (K5) Evaluate research studies for their adherence to ethical guidelines</li> </ul>
SEC 1 BASICS OF HEALTH CARE MANAGEMENT	140S0A	<ul style="list-style-type: none"> <li>● CO1 (K 1) know about Health care Management.</li> <li>● CO2 (K 2) interpret insights about Family and Communal health</li> <li>● CO3 (K 2) describe the advancements happening in community health</li> <li>● CO4 (K 4) analyse various health awareness initiatives in India</li> <li>● CO5 (K 2) explain disaster management techniques</li> </ul>

Sem II CORE 3 INTRODUCTION PSYCHOLOGY- II	TO 140C2A	CO1 (K2, K4) To Understand the different types of cognition and thinking processes and to analyse the steps in problem solving and decision making. • CO2 (K4) To summarize and compare the various functions and memory processes involved in memory and forgetting. • CO3(K1) To outline the various theories of motivation and to understand the implications of it. • CO4(K3) To explain the theories of intelligence and the ways to assess intelligence. • CO5 (K3) To explore the various theories of Personality and examine the uses of personality assessments.
Core 4: PSYCHOLOGY OF CHILDHOOD	140C2B	CO1(K2) – To explicate the developmental stage of conception through birth. • CO2 (K1, K2) – To elucidate the developmental tasks of early childhood. • CO3 (K2)– To describe the various emotions and socialization patterns of early childhood. • CO4 (K4) – To distinguish the hazards and happiness of late childhood • CO5 (K4)– To critically analyse the cognitive and personality development in childhood.
Elective 2: CROSS CULTURAL PSYCHOLOGY	140E2A	• CO1 (K2) - To describe and discuss the various theoretical orientations/paradigms that describe cultural differences • CO2 (K4) - To analyse and discuss the ways in which different cultures influence our socialisation and enculturation process. • CO3 (K6) - To discuss and evaluate the impact of culture on human development concepts like temperament, attachment styles and morality. • CO4 (K2, K4)- To understand the interaction of language, culture and communication and analyse methods to improve intercultural communication. • CO5 (K3) - to examine the role of culture in the understanding gender roles, stereotypes and ideology development.
SEC 1 INTRODUCTION TO CRIME PREVENTION	140S0B	CO1 (K2) Trace the history of crime prevention and understand the definition, concepts and the various types of crime prevention strategies. • CO2 (K2) Understand the traditional crime prevention methods and programmes involving community policing. • CO3 (K5) Evaluate the traditional crime prevention techniques in the society • CO4 (K2) Describe the modern crime prevention initiatives to address the crime problem in society •

		CO5 (K2) Explain the various crime prevention organizations that aim to prevent and reduce crime.
Skill Enhancement PSYCHOLOGICAL FIRST AID	140S2B	<ul style="list-style-type: none"> <li>● CO1 (K3 ) Learn and apply psychological first aid</li> <li>● CO2 (K 6) Manage psychological crisis reactions</li> <li>● CO3 (K 2) Understand goals and principles of PFA</li> <li>● CO4 (K 6) Practice self-care</li> <li>● CO5 (K 5) Increasing the learners' abilities in managing psychological crisis situations</li> </ul>



## BSC Electronic Media

<b>Film and Video Editing (Theory)</b>	228C3B	<p>1. Remember: Recall and summarize key concepts, techniques, and historical events related to film and video editing</p> <p>2. Understand: Explain the purpose and effect of continuity editing, shot progression, sound design, and visual storytelling in film and video</p> <p>3. Apply: Use continuity editing techniques to edit a film or video to achieve visual and narrative continuity</p> <p>4. Analyze: Compare and contrast the use of different editing techniques and sound design elements in different films or videos</p> <p>5. Evaluate: Assess the impact of sound design and music on pace and rhythm, and how visual storytelling elements shape the emotional impact of a film or video</p>
Compositing and Visual Effects (Practical)	228C41	<p>1. Apply a range of keying techniques and refine mattes to create clean and accurate composites.</p> <p>2. Create realistic composites by integrating CGI elements with live-action footage and performing color correction and camera effects.</p> <p>3. Use technical terminology related to compositing and VFX to effectively communicate with team members and clients.</p> <p>4. Utilize advanced compositing techniques, such as stereoscopic compositing and deep compositing, to create complex and visually stunning composites.</p> <p>5. Develop a professional portfolio and demo reel showcasing their compositing and VFX skills, while adhering to ethical and responsible practices within the industry.</p>

Film Appreciation and Analysis (Theory)	228C4A	<p>1. Explain key concepts and critical terms used in film production, analysis and appreciation. 2. Compare mainstream, alternative, narrative and non-narrative film forms. 3. Analyze the narrative, technical, ideological and cultural aspects of films. 4. Discuss the role of film as a medium of cultural expression and its influence on society. 5. Apply diverse approaches to film analysis and generate independent interpretations of films.</p>
Screen Production (Theory)	128C2A	<p>1. Conceptualize and create original screen production projects 2. Upon completion of the course, students will be able to generate unique ideas and transform them into compelling scripts and production plans suitable for various platforms and audiences. 3. Operate and manage screen production equipment and processes 4. Students will be able to skillfully handle cameras, lighting, sound equipment, and other essential tools, as well as effectively manage production processes to achieve high-quality results. 5. Direct and collaborate with talent in screen production environments 6. Graduates of the course will be able to direct and work collaboratively with actors, presenters, and other on-screen talent, ensuring engaging and professional performances in their productions. 7. Implement advanced lighting techniques for diverse production scenarios 8. Students will be able to design and execute various lighting setups tailored to specific scenes, locations, and production needs, resulting in visually dynamic and appealing content. 9. Produce polished and professional screen productions 10. Upon completion of the course, students will be able to apply advanced postproduction techniques, including editing, color grading, sound design, and visual effects, to create high-quality, polished screen content ready for distribution.</p>

<p>DSE-IV- GREEN SCREEN PRODUCTION (Practical)</p>	<p>228E41</p>	<p>1. Conceptualize and create original screen production projects 2. Upon completion of the course, students will be able to generate unique ideas and transform them into compelling scripts and production plans suitable for various platforms and audiences. 3. Operate and manage screen production equipment and processes 4. Students will be able to skillfully handle cameras, lighting, sound equipment, and other essential tools, as well as effectively manage production processes to achieve high-quality results. 5. Direct and collaborate with talent in screen production environments 6. Graduates of the course will be able to direct and work collaboratively with actors, presenters, and other on-screen talent, ensuring engaging and professional performances in their productions. 7. Implement advanced lighting techniques for diverse production scenarios 8. Students will be able to design and execute various lighting setups tailored to specific scenes, locations, and production needs, resulting in visually dynamic and appealing content. 9. Produce polished and professional screen productions 10. Upon completion of the course, students will be able to apply advanced postproduction techniques, including editing, color grading, sound design, and visual effects, to create high-quality, polished screen content ready for distribution.</p>
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Video Editing (Practical)	228E31	<p>1. Remember: Recall and summarize key concepts, techniques, and historical events related to film and video editing</p> <p>2. Understand: Explain the purpose and effect of continuity editing, shot progression, sound design, and visual storytelling in film and video</p> <p>3. Apply: Use continuity editing techniques to edit a film or video to achieve visual and narrative continuity</p> <p>4. Analyze: Compare and contrast the use of different editing techniques and sound design elements in different films or videos</p> <p>5. Evaluate: Assess the impact of sound design and music on pace and rhythm, and how visual storytelling elements shape the emotional impact of a film or video</p>
Script Writing and Storyboard Development (Practical)	228S32	<p>1. Students will be able to develop and structure a story.</p> <p>2. Students will be able to write a script that effectively conveys a story.</p> <p>3. Students will be able to analyze and evaluate their own stories and scripts and those of others, and identify areas for improvement.</p> <p>4. Students will be able to apply their understanding of story development and scriptwriting by developing a storyboards for their scripts</p> <p>5. Students will be able to create a professional-quality story and script using storyboards make a pitch for wider acceptance and production</p>

## FRENCH

S.NO	Subject & Course Name	SUBJECT CODE	Course outcomes
1	Foundation Course In French: Prescribed Text and Grammar-I	100L1K	<ol style="list-style-type: none"> <li>1. Introduce oneself and talk about one's likes and dislikes</li> <li>2. Invite someone, to accept or deny an invitation</li> <li>3. Making purchases at the market</li> <li>4. Recall and remember the usage of grammatical tenses in constructing sentences in a dialogue.</li> <li>5. Apply the learnt grammar rules in practice exercises to improve their understanding</li> </ol>
2	Foundation Course In French: Prescribed Text and Grammar-I	100L1K	<ol style="list-style-type: none"> <li>1. To ask for and give directions.</li> <li>2. To give orders or commands using <i>Impératif</i></li> <li>3. To narrate events from the past using <i>Passé Composé</i></li> <li>4. Cite the ordinal numbers in French</li> <li>5. Indicate the position of something using prepositions of place</li> </ol>
3	Foundation Course: Translation, Comprehension and Grammar - I	200L3K	<ol style="list-style-type: none"> <li>1. Identify and appreciate the construction and the structure of different tenses and sentences</li> <li>2. Translate simple texts</li> <li>3. Draft and summarize literary texts</li> <li>4. Apply the grammatical rules to express one's ideas using different tenses</li> <li>5. Analyze literary texts with respect to their structure and composition</li> </ol>
4	Foundation Course: Translation, Comprehension and Grammar - II	200L4K	<ol style="list-style-type: none"> <li>1. Apply connecting words (<i>cause, but, concession, condition, hypothèse, conséquence</i>) to improve the spoken as well as written communication skills</li> <li>2. Differentiate the various past tenses in "<i>Les Temps du Passé</i>" and their unique usage</li> <li>3. Summarize the literary texts</li> <li>4. Identify and apply the different grammatical tenses of "<i>les temps du passé</i>" in sample exercises to practice</li> <li>5. Critically assess the literary texts through an analysis of its t</li> </ol>

## HINDI

COURSECODE/TITLE	COURSE OBJECTIVES/ASSURANCE OF LEARNING	OUTCOMES/ OF LEARNING
PAPER-1 LE11A / PROSE,FUNCTIONAL HINDI AND LETTER WRITING	<p>गत वर्ष हिन्दी विषय के लिए नया सब्जेक्ट कोड दिया गया है।केवल विश्वविद्यालयीन परीक्षा के टाइमटेबल में नया सब्जेक्ट कोड देखने को मिला था। नए सब्जेक्ट कोड में भी</p> <p>वही सेलेबस जारी रहा था अतः तदुसार ही पाठ्यक्रमपरिणाम भी पूर्ववत् ही रहा है। विद्यार्थियों को</p> <p>नैतिक मूल्यों का महत्व समझाना, खाद्य पदार्थों की शुद्धता और संरक्षण का ज्ञान देना, स्वामी विवेकानंद के विचारों से अवगत कराना, अपने जीवन में सही मित्रों और सही काम का चयन करना आदि पर ध्यान देने के अतिरिक्त व्यावहारिक जीवन में कार्यालयीन तथा व्यापारिक पत्रों के लेखन व आदान-प्रदान का ज्ञान देना।</p> <p>1 यहाँ मुख्यतः उच्चअध्ययन के लिए बुनियादी ज्ञान दिया गया है ।</p> <p>2 बुनियादी पेशेवर कौशल यानी व्यवसाय और आधिकारिक कौशल प्रदान किया गया है।</p> <p>3 पत्राचार और अनुप्रयोग का ज्ञान।</p> <p>4 भाषा अनुप्रयोग और लेखन कौशल।</p> <p>5 साहित्य के आलोचनात्मक और विश्लेषणात्मक अध्ययन के मूल्यांकन का मूल विचार।</p> <p>6 रचनात्मक सोच और लेखन के विचारों को विकसित करता है।</p>	

PAPER-II – LE12A/ ONE ACTPLAY, SHORT STORY ANDTRANSLATION. CREDITS-3	<p>1 हिन्दी साहित्य और उसकी प्रवृत्तियों का बुनियादी ज्ञान.</p> <p>2 बोली जाने वाली भाषा कौशल और लेखन कौशल।</p> <p>3 साहित्य के आलोचनात्मक और विश्लेषणात्मक अध्ययन का मूल विचार.</p> <p>4 विभिन्न विषयों के अनुवाद का ज्ञान प्राप्त करता है।</p> <p>5 साहित्यिक कार्यों के लेखकों, विषय-वस्तु, उद्देश्यों की पहचान करता है।</p> <p>6 एकांकी और लघुकथा के तकनीकी विषय को समझना।</p> <p>7 एकांकी और लघुकथा के लेखकों के विषय और कलात्मक कौशल का मूल्यांकन करने का ज्ञान.</p> <p>8 युद्धों से होने वाली जन-धन की हानि और शांति कीस्थापना का संदेश।</p> <p>9 भारतीय समाज में दहेज और विवाह में होने वाली समस्याओं से विद्यार्थियों</p>	
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	<p>को अवगत कराना तथा समाज को इन समस्याओं से छुटकारा दिला कर स्वस्थ समाज का निर्माण करने की प्रेरणा देना।</p> <p>10 सामाजिक और राजनैतिक बैठकों, संगोष्ठियों, अधिवेशनों में अनावश्यक चर्चा में समय बर्बाद न करके मुख्य विषय को निर्णय तक पहुँचा कर समय और धन का अपव्यय नहीं करने का संदेश दिया गया है।</p> <p>अंग्रेजी से हिन्दी में अवतरण का अनुवाद करने का अभ्यास कराया जाना वर्तमान समय की अनिवार्य आवश्यकता है, जिसे इस द्वितीय सत्र के दौरान पूरा किया जाता है।</p>
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<p><b>PAPER III – 100L3E/ANCIENT POETRY AND INTRODUCTION TO HINDI LITERATURE (UP TO REETI KALL)</b></p>	<ol style="list-style-type: none"> <li>1 प्राचीन कवियों और उनके कार्यों, समाज और साहित्य में योगदान की पहचान करना।</li> <li>2 समकालीन परिस्थितियों और प्राचीन इतिहास पर इसके प्रभाव का अध्ययन करना।</li> <li>3 कवियों के संदेश को उनकी अभिव्यक्ति और कलात्मक कौशल को समझना।</li> <li>4 प्राचीन कवियों और उनकी रचनाओं का बुनियादी ज्ञान प्राप्त करना।</li> <li>5 समकालीन स्थिति और साहित्य के बीच संबंध और</li> <li>6 कवियों पर इसके प्रभाव का व्यावहारिक ज्ञान प्राप्ति।</li> <li>7 हिन्दी भाषा के आरंभ और हिन्दी साहित्यकारों के लेखन एवं मजीवन परिचय की जानकारी देने, उनके चित्र दिखाने से विषयगत बारीकियों को समझने में विद्यार्थियों को सक्षम बनाया जाना।</li> </ol>
<p><b>PAPER – IV – 100L4E / MODERN POETRY AND INTRODUCTION TO HINDI LITERATURE (AADHUNIK KAAL)</b></p>	<ol style="list-style-type: none"> <li>1 आधुनिक कवियों और उनके कार्यों का बुनियादी ज्ञान प्राप्त करना।</li> <li>2 आधुनिक कविता और प्रवृत्तियों का मूल्यांकन और आलोचनात्मक अध्ययन करना।</li> <li>3 संक्षिप्तिकरण का कौशल प्राप्त करना।</li> <li>4 आधुनिक काल के पद्य तथा गद्य लेखकों, उनके लेखन और हिन्दी के साहित्यिक विकास के विभिन्न चरणों का ज्ञान देना इस सत्र के पाठ्यक्रम में शामिल है।</li> </ol>

## MA English

Semester	COURSE NAME	COURSE CODE	COURSE OUTCOME
I	Poetry	402C1A	<ul style="list-style-type: none"><li>● Demonstrate knowledge of the movements that influenced the literature beginning from English Poetry starting from Medieval to Modern Period</li><li>● Trace the evolution of various literary movements. Distinguish and analyse the different genres of writings of the period.</li><li>● Critically evaluate the literary language of the texts Prescribed.</li><li>● Compare the literature of the age with the subsequent ages in the history of English Literature and interpret its significance in history</li><li>● Exhibit the skill of analyzing literary works and writing Effectively</li></ul>
I	Drama	402C1B	<ul style="list-style-type: none"><li>● Appraise various aspects of drama and theatre</li><li>● Identify drama and performance as a cultural process and an artistic discourse</li><li>● Evaluate plot structure, characterization and dialogue</li><li>● Interpret drama texts as aesthetic records of their times viz., Elizabethan, Restoration, Victorian and Early Modern ages</li><li>● Examine the sequential course dealing with Modern and Postmodern British Drama</li></ul>
I	FICTION	402C1C	<ul style="list-style-type: none"><li>● Acquaint the knowledge about the development of Novel as a literary form.</li><li>● Identify the characteristics of different types of novels</li><li>● Categorize the novels of different periods and Interpret the works of eminent writers.</li><li>● Awareness on social, historical, literary and cultural</li></ul>



			<p>elements of the changes in American Literature</p> <ul style="list-style-type: none"> <li>● Critically examine the works of the writers prescribed</li> </ul>
I	Science Fiction, Fantasy and Detective Literature	402E1A	<ul style="list-style-type: none"> <li>● To familiarize students with different forms of Science Fiction, Fantasy and Detective Fiction</li> <li>● To enable them to identify the basic Structure and themes of Science Fiction</li> <li>● To facilitate the learners to appreciate the fundamental features in fantasy fiction</li> <li>● To enhance students' knowledge to identify the basic Structure and themes of Science and detective fiction</li> <li>● To involve the students to a close reading important representative texts</li> </ul>
I	Approaches and Methods in English Language Teaching	402E1B	<ul style="list-style-type: none"> <li>● Identify teaching methods/approaches</li> <li>● Learn to teach skills - L S R W and literature</li> <li>● Identify the objectives, active role of learners, teachers and materials</li> <li>● Testing and Evaluating learners using norm and criterion-referenced methods of assessment</li> <li>● Learn to prepare lesson plans to teach English</li> </ul>
II	Indian Writing in English	402C2A	<ul style="list-style-type: none"> <li>● Understand the themes of Indian Writing in English and in translation</li> <li>● Identify the major trends in Indian Writing in English and in translation</li> <li>● Examine the background and settings of the prescribed texts</li> <li>● Evaluate the cultural significance of Indian English Literature and in translation.</li> <li>● Be exposed to diverse culture and literature that will further enlighten them about socio-cultural scenario in the contemporary era</li> </ul>

II	American Literature	402C2B	<ul style="list-style-type: none"> <li>● Recognize the contributions of major American writers and their impact on the development of American literature</li> <li>● Analyze the movements and trends that shaped American literature</li> <li>● Gain knowledge about the transcendentalist and Romantic movements</li> <li>● Validate representative socio-political, cultural, racial and gender perspectives in the prescribed texts</li> <li>● Critically analyze the multicultural sensibility of American society</li> </ul>
II	Shakespeare Studies	402C2C	<ul style="list-style-type: none"> <li>● Identify the social, cultural and political events as represented in the works of Shakespeare</li> <li>● Understand Elizabethan theatre and the theatre's development</li> <li>● Illustrate the linguistic richness and figurative language of the plays</li> <li>● Identify the trends and approaches in Shakespeare studies</li> <li>● Critically analyze the works of Shakespeare</li> </ul>
II	GENDER STUDIES THROUGH LITERATURE	402E2A	<ul style="list-style-type: none"> <li>● have a general knowledge of gender studies through literary texts and theory</li> <li>● be sensitive about Sociological perspectives on gender</li> <li>● be acquainted with concepts of Sex and Gender, Gender and sexuality</li> <li>● have understood the contemporary context in which women, queer, and gender nonconforming individuals have exercised their agency</li> <li>● have gained knowledge of multiple forms of oppression and marginalization as represented in literature</li> </ul>
II	LITERATURE AND FILM	402E2B	<ul style="list-style-type: none"> <li>● Film Review and appreciation becomes handy for the</li> </ul>

			<p>Students</p> <ul style="list-style-type: none"> <li>● Connecting film and literature nuances effectively</li> <li>● Exposure to film techniques and genres</li> <li>● Critical appreciation of films</li> <li>● Analysing film forms effectively</li> </ul>
III	Shakespeare Studies	HBB3A	<p>The objective of this paper is to make students understand and enjoy Shakespeare's plays, Criticism of Theatre. It also attempts to provide the students with the context of Elizabethan England from the evolving contemporary perspectives down the ages.</p>
III	English Language and Linguistics	HBB3B	<p>Objectives of the course is to enable the students to have a conceptual understanding of the English Language in a historical perspective; to recognize, identify and use sounds and structures; to identify and explain the process of second language acquisition; to adopt and practice English Language Teaching approaches</p>
III	Literary Criticism and Literary Theory	HBB3C	<p>This paper intends to give an overview of the critical trends starting from Aristotle's classical criticism to the post-structural and post-colonial theories. Classical, New classical, Romantic critics are represented to familiarize the students with aesthetic concepts. Matthew Arnold and T.S. Eliot lead the way to the humanistic approach while texts from Brooks, Frye, Said lead the student to structuralist and post-structuralist approaches.</p>
III	Literature, Analysis, Approaches and Copy Editing	HBBXB	<p>To enable the student to experience the practical aspects of literature studies to utilize the resulting skills in day-to-day life.</p>

III	Introduction to Translation Studies	HBB3D	To sensitize learners to the role of translations in society
IV	Twentieth Century Poetry	HBB4A	The aim of this paper is to sensitize the students to various aspects of British 20th century poetry. It embraces important ideas, movements, and systems of thought that contributed to the rich diversity of 20th century life in England and in Europe.
IV	Writings by and on Women	HBB4B	The primary aim of this paper is to give space to writings by women. Even in the syllabus, a woman writer is marginalized. However, in the process of giving adequate space to women writers the paper aims at sensitizing students to the problems faced by women and how women have responded in their attempt to expose them, in their writings.
IV	English Literature for UGC NET/SET Examination	HBB4C	This paper intends to train the students to get through NET/SET and other competitive exams. It can also help them to master the subject and evaluate their knowledge of literature.
IV	Film Studies	HBB4D	To combine the popular interest in films with technical and socio-cultural dimensions of film appreciation.

## MCOM

<b>PROGRAMME SPECIFIC OUTCOMES</b>	<ul style="list-style-type: none"> <li>• PSO1 – Placement To prepare the students who will demonstrate respectful engagement with others’ ideas, behaviors, beliefs and apply diverse frames of reference to decisions and actions.</li> <li>• PSO 2 - Entrepreneur To create effective entrepreneurs by enhancing their critical thinking, problem solving, decision making and leadership skill that will facilitate startups and high potential organizations.</li> <li>• PSO3 – Research and Development Design and implement HR systems and practices grounded in research that comply with employment laws, leading the organization towards growth and development.</li> <li>• PSO4 – Contribution to Business World To produce employable, ethical and innovative professionals to sustain in the dynamic business world.</li> <li>• PSO 5 – Contribution to the Society To contribute to the development of the society by collaborating with stakeholders for mutual benefit.</li> </ul>
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COURSENAME	COURSECODE	COURSEOUTCOME
<b>Semester:1</b>		
BUSINESS FINANCE	413C1A	<ul style="list-style-type: none"> <li>• Explain the important finance concepts</li> <li>• Estimate risk and determine its impact on return</li> <li>• Examine leasing and other sources of finance for startups</li> <li>• Summarise cash, receivable and inventory management techniques</li> <li>• Evaluate techniques of long term investment decision incorporating risk factor social responsibility.</li> </ul>
Digital Marketing	413C1B	<ul style="list-style-type: none"> <li>• Explain the dynamics of digital marketing</li> <li>• Examine online marketing mix</li> <li>• Compare digital media channels</li> <li>• Explain online consumer behavior</li> <li>• Analyse social media data</li> </ul>
Banking and Insurance	413C1C	<ul style="list-style-type: none"> <li>• Relate the transformation in banking from traditional to new age</li> <li>• Apply modern techniques of digital banking</li> <li>• Evaluate the role of insurance sector</li> <li>• Examine the regulatory mechanism</li> <li>• Assess risk mitigation strategies</li> </ul>

Security Analysis and Portfolio Management	413E1A	<ul style="list-style-type: none"> <li>• Examine investment options and structure a portfolio</li> <li>• Assess the value of Equity Shares, Preference Shares and Bonds</li> <li>• Examine stock performance through fundamental and technical analysis</li> <li>• Examine the various Portfolio Theories.</li> <li>• Evaluate the portfolio performance.</li> </ul>
STRATEGIC HUMAN RESOURCE MANAGEMENT	413E1D	<ul style="list-style-type: none"> <li>• Recall the fundamentals of strategic Human Resource Management</li> <li>• Examine the conceptual framework of strategic Human Resource Management Models</li> <li>• Apply the knowledge of various strategies in Human Resource Management in the corporate arena</li> <li>• Illustrate drafting of HR policies</li> <li>• Analyse the latest trend in the strategic Human Resource Management</li> </ul>

Semester - II		
- Strategic Cost Management	413C2A	<ul style="list-style-type: none"> <li>• Explain strategic cost management and QC</li> <li>• Choose the appropriate technique for cost control</li> <li>• Make use of activity based costing in practice</li> <li>• Choose transfer pricing methods to solve problems</li> <li>• Construct cost structure for Agriculture and IT sector</li> </ul>
Corporate Accounting	413C2B	<ul style="list-style-type: none"> <li>• Determine profit and financial position by preparing financial statements of companies as per schedule III of Companies Act, 2013</li> <li>• Apply the provisions of IRDA Regulations in the preparation of final accounts of Life Insurance and General Insurance Companies.</li> <li>• Determine the overall profitability and financial position by preparing consolidated financial statements of holding companies in accordance with AS21.</li> <li>• Analyse contemporary accounting methods</li> <li>• Examine Financial Reporting based on appropriate Accounting Standards and provisions of Companies Act</li> </ul>

		2013 with respect to Corporate Social Responsibility
Setting up of Business Entities	413C2C	<ul style="list-style-type: none"> <li>• Compare the various avenues of acquiring finance to setup a business entity</li> <li>• Recall the legal requirements for Section 8 Company</li> <li>• Examine the provisions for LLP and joint venture</li> <li>• Analyse the registration and licensing procedure</li> <li>• Examine the compliance of regulatory framework regarding environment</li> </ul>
Business Ethics and Corporate Sustainability	413E2A	<ul style="list-style-type: none"> <li>• Apply the concepts of business ethics in practice</li> <li>• Demonstrate ethical decision making by applying various theories</li> <li>• Evaluate moral issues relating to business, marketing, advertising, finance, HR and environmental protection</li> <li>• Explain the concepts of corporate sustainability</li> <li>• Construct reports disclosing sustainability information</li> </ul>
Logistics and Supply Chain Management	413E2D	<ul style="list-style-type: none"> <li>• Recall the concepts and features of SCM</li> <li>• Summarise global and Indian perspectives of SCM</li> <li>• Examine changing logistics environment pertaining to materials management, warehousing and distribution</li> <li>• Explain strategic warehousing for SCM</li> <li>• Outline the role of internet in SCM</li> </ul>
Advertising and Media Management	413S2A	<ul style="list-style-type: none"> <li>• Create their own Advertisement Copy</li> <li>• Analyze individual media businesses and understand the economic drivers of the media economy</li> <li>• Gain a perspective on the facets of media</li> <li>• Develop an integrated marketing plan using a wide variety of media</li> <li>• Create their own Advertisement Copy</li> </ul>

COURSENAME	COURSECODE	COURSEOUTCOME
<b>Semester:III</b>		
Tax Planning and Management	513C3A	<ul style="list-style-type: none"> <li>• Apply the provisions of income tax to determine taxable income</li> <li>• Plan taxes</li> <li>• Illustrate the nuances of international business taxation</li> <li>• Apply the provisions of GST</li> <li>• Summarise the provisions of Customs Act</li> </ul>
Research Methodology	513C3B	<ul style="list-style-type: none"> <li>• Recall the research concepts and recognise the research problem</li> <li>• Construct research hypothesis and determine the sample size</li> <li>• Select appropriate method for data collection</li> <li>• Interpret the results of statistical tests</li> <li>• Construct research report avoiding plagiarism</li> </ul>
Advanced Cost and Management Accounting	513C3C	<ul style="list-style-type: none"> <li>• Outline the concepts of cost accounting principles and cost control techniques.</li> <li>• Apply the accounting procedure of product costing and process costing to prepare the accounts of the manufacturing industries.</li> <li>• Apply the techniques of marginal costing &amp; Cost volume profit analysis in Business decision making.</li> <li>• Analyse the standard cost and variance in cost estimation and control.</li> <li>• Apply costing techniques and interpret financial statements for making financial decisions.</li> </ul>
Computer Applications in Business	513C31	<ul style="list-style-type: none"> <li>• Construct data file in SPSS</li> <li>• Examine Means of samples</li> <li>• Apply non-parametric tests</li> <li>• Construct a company, form groups and get automated financial statements</li> <li>• Plan for automation of inventory</li> </ul>



Strategic Management	513E3A	<ul style="list-style-type: none"> <li>• Summarise strategic management principles at different levels and phases</li> <li>• Explain the dynamics of competitive strategic management techniques</li> <li>• Examine business and functional level strategies</li> <li>• Identify strategic leadership and organisational skills</li> <li>• Apply latest concepts in strategy implementation and control</li> </ul>
Stock Market Operations	513S3A	<ul style="list-style-type: none"> <li>• Acquainted with the nature of stock market</li> <li>• Pattern of trading and settlement in stock market</li> <li>• Understand the process of online trading and meaning of basic concepts</li> </ul>

COURSE NAME	COURSE CODE	COURSE OUTCOME
<b>Semester:IV</b>		
Corporate and Economic Laws	513C4A	<ul style="list-style-type: none"> <li>• Recall important provisions of FEMA</li> <li>• Examine the provisions of the Competition Act, 2002 and Consumer Protection Act to govern commercial competition and protect a consumer</li> <li>• Summarise the process relating to obtaining copyrights and patents.</li> <li>• Examine the provisions of Money Laundering Act</li> <li>• Analyse the provisions relating to regulation of real estate</li> </ul>
Human Resource Analytics	513C4B	<ul style="list-style-type: none"> <li>• Examine the concept of human resource analytics</li> <li>• Apply the HR tools and techniques in decision making</li> <li>• Examine the different types of HR metrics and their relative merits</li> <li>• Make use of HR data in report preparation</li> <li>• Build models for predictive analysis</li> </ul>

Organisational Behaviour	513E4A	<ul style="list-style-type: none"> <li>• Identify the effect of OB models and organizational learning on human behaviour</li> <li>• Assess theories of motivation and their impact on job satisfaction.</li> <li>• Examine effective communication tools for better organisational climate.</li> <li>• Analyse interpersonal transactions at workplace.</li> <li>• Analyse the various OB models for change management and development in the organization.</li> </ul>
Consumer Behaviour	513S4A	<ul style="list-style-type: none"> <li>• To develop an understanding of underlying concepts and issues in Consumer behavior in marketing</li> </ul>

## MA HRM

<b>PROGRAMME SPECIFIC OUTCOMES</b>	<ul style="list-style-type: none"> <li>• To prepare the students who will demonstrate respectful engagement with others' ideas, behaviors, beliefs and apply diverse frames of reference to decisions and actions.</li> <li>• To create effective entrepreneurs by enhancing their critical thinking, problem solving, decision making and leadership skill that will facilitate startups and high potential organizations</li> <li>• Design and implement HR systems and practices grounded in research that comply with employment laws, leading the organization towards growth and development.</li> <li>• To produce employable, ethical and innovative professionals to sustain in the dynamic business world.</li> <li>• To contribute to the development of the society by collaborating with stakeholders for mutual benefit</li> </ul>
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COURSE NAME	COURSE CODE	COURSE OUTCOME
<b>Semester:1</b>		
Managerial Concepts and Business Ethics	433C1A	<ul style="list-style-type: none"> <li>• Possess the knowledge on the basic concepts of management and understand how an organization functions.</li> <li>• Possess knowledge on Scope and types of planning along with decision making techniques and process .</li> <li>• Have insights on various functions of organizing, managing change and Innovation.</li> <li>• Learn Concepts of coordination and controlling techniques</li> <li>• Have better understanding on business ethics and social responsibility.</li> </ul>
Organizational Behaviour	433C1B	<ul style="list-style-type: none"> <li>• Possess the knowledge on the basic concepts of organization behaviour and understand how an organization function.</li> <li>• Possess knowledge on various types of attitudes, values, perception and types and traits on personality.</li> <li>• Have insights on Concepts on Learning and Motivation</li> <li>• Learn on Group Dynamics and</li> </ul>

		<p>d inter-personal communication &amp; its impact on performance and decision making</p> <ul style="list-style-type: none"> <li>• Have better understanding on Leadership, Power and Politics &amp; Conflict and Negotiation along with their types and process</li> </ul>
Human Resource Management	<b>433C1C</b>	<ul style="list-style-type: none"> <li>• Possess the knowledge on the basic concepts and models of HRM</li> <li>• Possess knowledge on human resources planning, job analysis, recruitment and selection process, various placements, till their exit</li> <li>• Have insights on Importance on training and development &amp; performance appraisal and its methods</li> <li>• To have understanding on the fundamentals of job evaluation process, compensation techniques and its performance</li> <li>• Have better understanding on HR Accounting &amp; Audit practices</li> </ul>
<b>Elective – I Labour Legislation I</b>	<b>433E1A</b>	<ul style="list-style-type: none"> <li>• To Understand the legal structure prevailing in the country.</li> <li>• To identify the situations of legal issues affecting both the employer and the worker.</li> <li>• To apply various labour legislations in the business.</li> <li>• To use the innovative approaches to the legal applications</li> <li>• To enable them to take ethical decisions in both personal and professional lives.</li> </ul>
<b>Elective – II Managerial Economics</b>	<b>433E1B</b>	<ul style="list-style-type: none"> <li>• Possess the knowledge on the basic concepts of Managerial Economics, demand analysis and</li> <li>• Forecasting.</li> <li>• Possess knowledge on Law of Variable Proportions, production function, cost determinants.</li> <li>• Have insights on product markets, market structure and various concepts of</li> </ul>

		pricing and its determinants. <ul style="list-style-type: none"> <li>• To understand the fundamentals on National Income, Business cycle and challenges.</li> <li>• Have better understanding on Macro Economic Environment, concept of LPG and Business and Government</li> </ul>
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Semester - II		
Learning and Development	433C2A	<ul style="list-style-type: none"> <li>• Possess the knowledge on the basic concepts of learning and development, its theories, principles and process.</li> <li>• Possess knowledge on Training and development, how to design a training programme.</li> <li>• Have insights on executive development and its techniques.</li> <li>• To understand the fundamentals on evaluation on training and development models and Human Capital.</li> <li>• Have better understanding on training design and Implementation of Training Program.</li> </ul>
Employee Relations & Welfare	433C2B	<ul style="list-style-type: none"> <li>• To understand changing concept of Employee Relations in the country.</li> <li>• To promote Industrial harmony and resolve conflict.</li> <li>• To evaluate strategies for Industrial relations at the government level.</li> <li>• To analyze the importance of Trade unions and their growth.</li> <li>• To apply Collective bargaining and tripartite machinery in industries</li> </ul>
Organisation Change & Organisational Development	<b>433C2B</b>	<ul style="list-style-type: none"> <li>• To apply various Approaches to understanding organization strategies</li> <li>• To Explore Functions and effects of organization culture.</li> <li>• To identify the world of work group behavior.</li> <li>• To recommend strategies for handling stress.</li> <li>• To create experts to handle Organizational development and change initiatives in the organization.</li> </ul>

COURSE NAME	COURSE CODE	COURSE OUTCOME
<b>Semester: III</b>		
Workplace Counselling	HR23A	<ul style="list-style-type: none"> <li>• On completion of this course, students will Understand Workplace Counselling need and assume role of a counsellor</li> <li>• Establish a counseling ecosystem</li> <li>• Design solutions to workplace counseling through interventions</li> <li>• Contrast counseling evaluation formats and implement appropriately</li> <li>• Compare and justify ethical code of conduct in counseling and construct guidelines</li> </ul>
Strategic Human Resource Management	HR23B	<ul style="list-style-type: none"> <li>• Understand the concepts and principles of Strategic Human Resource Management</li> <li>• Summarize strategic role of HR and do HR Forecasting</li> <li>• Design solutions to Succession Management and restructuring</li> <li>• Understand and implement Mergers and Acquisitions</li> <li>• Compare and justify the process of outsourcing and evaluate HRM activities.</li> </ul>
Research Methods	HR23C	<ul style="list-style-type: none"> <li>• Understand the concepts and Principles of Research.</li> <li>• Summarize and establish a setting on data collection</li> <li>• Summarize and establish solutions to data analysis</li> <li>• Understand the concepts of Multivariate Analysis</li> <li>• Compare and justify the process of writing and organizing a research report.</li> </ul>

Labour Welfare	HR23D	<ul style="list-style-type: none"> <li>• Understand the concepts and principles of Labour Welfare</li> <li>• Summarize and establish the setting</li> <li>• on social security</li> <li>• Establish knowledge on Corporate Social Responsibilities</li> <li>• Understand the Problems Faced by Labour Welfare Activities in Indian Industries</li> <li>• Compare and justify the roles of labour welfare officer</li> </ul>
Elective –Human Resource Information System	HR43A	<ul style="list-style-type: none"> <li>• Be familiarized with the basic concepts of Data and Information.</li> <li>• Have knowledge on Data Management for HRIS</li> <li>• Know about DBMS &amp; ERP</li> <li>• Utilize the knowledge of HRIS Applications</li> <li>• Create awareness, importance, types of Security and its management in HRIS</li> </ul>
Elective – Innovation and Entrepreneurship	HR33A	<ul style="list-style-type: none"> <li>• Be able to know about growth of entrepreneurship in India</li> <li>• Gain knowledge on innovation, its types, role of technology in innovation, patents and licensing</li> <li>• Obtain knowledge on new venture creation</li> <li>• Be able to prepare a business plan</li> <li>• Gain knowledge on various types of financing available for new ventures.</li> </ul>

COURSE NAME	COURSE CODE	COURSE OUTCOME
<b>Semester: IV</b>		
Compensation Management	HR24A	<ul style="list-style-type: none"> <li>• Be familiarized with basic concepts of compensation.</li> <li>• Understand pay structure, strategies and components of Compensation</li> <li>• Design the pay for performance and Employee</li> </ul>

		benefits <ul style="list-style-type: none"> <li>• Understand the Compensation for International Assignments and special groups</li> <li>• Be aware of the importance of Pay System in India and compensation ethics</li> </ul>
International Human Resource Management	HR24B	<ul style="list-style-type: none"> <li>• Be familiarized with basic concepts of International HRM Models, Cultural approaches.</li> <li>• Understand International Staffing Policy, assignments, cross-border mergers and acquisitions.</li> <li>• Create awareness on Managing International Employees, their compensation and IHRM in host country,</li> <li>• Understand the components on International Industrial Relations, Performance Management and Appraisal.</li> <li>• Be aware of HRM in International Organisations.</li> </ul>
Total Quality Management	HR34A	<ul style="list-style-type: none"> <li>• Be familiarized with the basic concepts of Data &amp; Information</li> <li>• Understanding the insights on Statistical and Quality Control.</li> <li>• Have a knowledge on sampling, analysis and Inspection.</li> <li>• Have awareness and knowledge of the recent techniques for quality improvement</li> <li>• Will create awareness of ISO Standards, procedures and process</li> </ul>



## MASTERS IN SOCIAL WORK

<b>PROGRAMME SPECIFIC OUTCOMES</b>	<p>1. The Master of Social Work programme makes the students to Specific become more knowledgeable and skilful in dealing with human Outcomes: behavior.</p> <p>2. The outcome of the programme is to develop the skill of self-examination, critical thinking, analytical thinking, self-awareness, problem solving ability, constructive use of relationships and productive utilization of self.</p> <p>3. The programme makes the students to become an expert professional, responsible, efficient, effective, practical, logical, and pragmatically experiential in dealing with individuals, groups and community for effective implementation of social work philosophies and its values in the society.</p> <p>4. The Social worker concentrates more on solving the individuals psycho-social maladjustment problems, effectively motivating the groups to engage in group activity for accomplishing groups desire and needs, and using the resources skilfully for the communities welfare and development.</p> <p>5. The interest for research is instilled in the mind of social work students to create new theories, ideologies, values, principles and techniques for the upcoming social work professionals to efficiently deal and address the social problems skilfully.</p>
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COURSE CODE	NAME OF THE COURSE	Course Outcome
<b>SEMESTER I</b>		
432C1A	Social Work Profession- History and Philosophy	<p>1. The students are able to synchronize the theoretical knowledge of the social work profession in their actual practical social settings. 2. The students enhance their social work professional perspective to practically implement in their work settings, such as, NGO, 2 Hospitals and Factories.</p> <p>3. The students are enriched with different school of thoughts and ideologies. 4. The students imbibe great ideas from social reformers and their inspirable social movements. 5. The students enhance their philosophical knowledge of sociatheir philosophical knowledge of social</p>

		work which motivates them to enlarge their vision and ideology.
432C1B	Work with Individuals (Case Work)	1. The students can use the principles and skills in their daily practice of case work relationship when dealing with the client to solve their psycho-social problems. 2. The students can use the techniques of counselling to fully understand the client's problem in a non-judgemental way to help them for better coping and adjusting with the social environment and human relations. 3. The outcome of the course is to develop the skills of Case worker for better studying about the history of client and their individualistic problems personally in a psycho-social manner. 4. The students come to understand about certain process framed in studying the client's psycho-social personality development for solving their problems. 5. Tools and techniques are used by the Case worker in the social institutional settings like schools, hospitals and communities for building Case worker relationship.
432C1C	Work with Groups (Group Work)	1. The students are able to learn the art of engaging the group for accomplishing their goal and motive. 2. The course will make the students to observe each phase of group work process that gives an idea about how the group formation and development occurs in it. 3. The course makes the students efficient in dealing with the group engagement and their motivation for helping them to achieve their group needs and desires. 4. The course enables the students to be an initiator, motivator and enabler for initiating group formation and achieving group objectives and goals. 5. The outcome of the course is to make the students into a capable and efficient social group work professional in conducting group activities
432C11	Field Work Practicum - I	1. To get exposed to wider area of social realities at the micro level 2. To develop analytical and assessment skills of social problems at the level of individual, group and community and local, regional, national and international

		<p>dimensions 3. To acquire documentation skills to ensure professional competence 4. To develop the right values and attitudes required for a professional social worker</p>
432E1A	Sociological and Psychological Foundations for Social work	<p>1. The outcome of the course is to get knowledge in regarding to the psychological development of the individual in respect of brain development and its intelligence 2. The students can understand well about the psychological theories which will help in looking over through the perspective of psychological aspect 3. Sociological perspective is also included to gain knowledge about the varied social institutions and social structures that make a great impact in the societies development 4. The course enable the students to know more about the important concepts of developmental psychology for creating the psychological perspective among them 5. The course make the students to be a practical social worker by knowing the various concepts of sociology and psychology</p>
SEMESTER II		
432C2A	Community Organization & Social Action	<p>1. The course will provide knowledge about the community organization and its process that stimulates the student to actively participate in the community emancipation and development 2. The students will come to understand well about the communities characteristics and their livelihood that will enhance them to work for their betterment 3. The students can be able to learn how to approach the community and bring 'we' feeling among them to fulfil their basic unmet needs. 4. The course instil more values and principles of community organization among the students for making them a better social worker 5. The course teach different theories on community that make the students to have a holistic perspective towards community</p>
432C2B	Social Work Research and Statistics	<p>1. The research work has undertaken by students to investigate deep into the topic of the research for finding out a beneficial result for the development of the society 2. The course will make the students to stimulate curiosity and</p>

		<p>inquest among them to better understand about the process and steps of research 3. The research work will help the students to work for the development and betterment of the society and for the growth of the large institutions and esteemed organizations 4. The course enhance the research capacity and deep investigation among the students on various social problems and its effect in the society 5. The outcome of the course is to know well about the research methodologies and its implications in doing the research activity on various social issue topics</p>
432C2C	Social Welfare Administration, Social Policies and Social Legislation	<p>1. Gain knowledge about the structure and administration of social welfare in India, including social welfare programs.</p> <p>2. Learn the processes for registering, managing, and administering welfare agencies in social work.</p> <p>3. Understand social policy, planning, legislation enforcement, and the roles of government departments and NGOs in development.</p>
432E2B	Green Social Work	<p>1. Understand the concepts of ecology, environment, and green social work, and the causes of environmental issues.</p> <p>2. Analyze environmental management systems, justice, and the adverse effects of environmental problems.</p> <p>3. Apply measures to control, reduce, and address environmental issues, while promoting preservation and protection.</p>
432C2D	Field Work Practicum - II	<p>1. Acquire knowledge and practice related to social work intervention at the individual, group and community level in different fields. 2. To train students to practice social work from an ecological, development and integrated perspective 3. Develop skills for problem solving in work at the micro level and change at the macro level. 4. Provide concurrent opportunity for the integration of class-room learning and Field Practicum 5. Develop professional values and commitment and the professional ideal 6. Develop skills to effectively use the integrated approach to problem solving and enhance skills of intervention, at the micro and the</p>

		macro levels of system in relation to the needs and problems of the client system. 7. Develop skills to organize people to meet their needs and solve their problems. trained and can practice social work from an ecological, development and integrated perspective using skills of problem solving. There is the ability to work at the micro level and macro level and carry out interventions in any practical setting. The student can fulfill roles of advocacy for child's right, human rights, administration, supervision, training and management
SEMESTER III		
HW23C	Community Health	1. The Students will develop a deeper understanding of common Physical Diseases and Health problems of the Community 2. The Students will gain the capacity to perceive the relation of Environment and Socio Cultural and Psychological factors in the causation, treatment and prevention of diseases 3. The students can be well able to understand the concepts of role of medical social worker and their immense importance is needed in the hospital settings 4. The students can adequately work for the mental health of the society and make it a mentally happier society 5. The students can well study about the needs and problems of patients in their families and can give effective solution to their problems
HW23A	Rural Community Development	1. The course provides knowledge on the rural issues and its problems like landlessness, agrarian issues, migration and joblessness. 2. The concept of rural governance is about the panchayat raj system (local governance) which is described in separate constitutional amendments of Indian Constitution. 3. The students learn about the rural administration and its development. 4. The outcome of the course is to make the students more knowledgeable on various government related community development programmes and its impact on the overall development of the rural area. 5. The course make the students to work more efficiently in the rural community settings.

HW23E	Labour Legislations	1. The students learn about labour legislation which plays a major role in the function of any organization. 2. The knowledge about the functions of labour court, Industrial tribunal and National tribunal increases the awareness of students and aids them to face any litigation claim for the rights of the organizations. 3. The outcome of the course is to make the students knowledgeable on labour laws and its impact on the functions of the organization. 4. The course develops the quality of HR in students for becoming an efficient HR professional in their future career. 5. The course enables the students to develop it during the internship period and implement the concept of labour legislation in the field work settings.
HW23B	Urban Community Development	1. The outcome of the course is to make the students aware of the life conditions of urban community and its difference prevailing in the urban societies. 2. The course provides knowledge about the urban community development programmes to the students and makes them to use it for their development. 3. The students learn about the gap between the rich and poor in the urban society which indicates the socio-economic inequity prevailing in the urban community. 4. The outcome of the course is to make the students become knowledgeable on the concept of urbanization 5. The course makes the students aware about the various urban community development programmes.
HW23B	Human resource Management and Development	1. The students improve their skills and abilities by gaining knowledge on human resource development and can practice it in their work settings 2. The students learn how to increase the talents and concentrate more on the talent development of the employees. 3. The students bring more growth to their organization by learning about the human resource development concepts and the expansion of business to other countries. 4. The outcome of the course is to make the students to become well verse in various management principles, techniques and skills for their

		overall development in their career. 5. The course provides practical knowledge of HR to students for implementing it during their internship period.
HW23C	Mental Health	1. The students gain knowledge on Emerging researches in Mental Health. 2. The students gain knowledge about the various behaviour disorders and childhood disorders. 3. The students enhance their knowledge about mental health disorders and take measures in creating a healthy society. 4. The students become aware of the concepts of normalcy and abnormal behaviour of people in the society. 5. The students are able to diagnose the disorders by practicing it in the hospital settings.
HW23G	Social Welfare Administration	1. Learn about social welfare administration and government welfare programs. 2. Develop skills for establishing human service organizations and understanding employee welfare. 3. Gain insight into the historical perspective of organizations to apply in professional settings.
HW231	Field Work Practicum - III	<p><b>COMMUNITY DEVELOPMENT-</b></p> <ol style="list-style-type: none"> <li>1. To study the rural and semi-rural life in all its ramifications including group dynamics and power structure in rural community.</li> <li>2. To develop an understanding of the process of programme formulation and programme management of the rural local bodies, government and non-government agencies.</li> <li>3. To develop positive attitude to work in a rural community setting and to acquire the skills such as public relations, fact findings, leadership, networking, fund raising, budgeting, report writing, lobbying and advocacy required for a development worker.</li> <li>4. To enable to work with disadvantaged groups in rural areas.</li> <li>5. To enable to plan and implement methods, tools and techniques for intervention based on the needs of the community.</li> </ol> <p><b>MEDICAL &amp; PSYCHIATRIC SOCIAL WORK</b></p>

		<p>1. To equip the students with the necessary assessment skills to understand the psycho-social problems of the patient and family with respect to the consequences of the disease and disability</p> <p>2. To enable the students to practice the methods of Social Work, particularly, Social Case work and Social Group Work</p> <p>3. To enable the students to function as a member of the Multidisciplinary team with respect to the Medical, Physical and Psycho-social Treatments</p> <p>4. To enable the students to develop a Rehabilitation Plan with respect to long-term illness &amp; Disability</p> <p>5. To enable the students to understand the national health programmes and its implementation at community level</p> <p><b>HUMAN RESOURCE MANAGEMENT-</b></p> <p>1. To make the students a highly specialized human resource management personnel with adequate management skills and efficiency to excel in his future HR career</p> <p>2. To enable the students in learning the theoretical concepts of Management principles and techniques and providing practical experiential exposure to students on industrial settings.</p> <p>3. To elevate the standard of students professionalism and efficiency towards HR practice and enlarge their scope and vision in their HR career.</p>
HW43A	Corporate Social Responsibility	<p>1. Understand the importance of Corporate Social Responsibility (CSR) and its societal impact.</p> <p>2. Learn about the elements of society and the significance of social audits in organizations.</p> <p>3. Gain knowledge of different corporate responsibilities and the values of social responsibility and audits.</p>
HW43D	Social Policy and Social Legislation	<p>1. The students can learn about the social policy and constitution and its relation within it</p> <p>2. The outcome of the course is to make the students to be aware about the social legislations in India and its impact on the welfare of the people</p> <p>3. The course teach about the policy formulation and</p>



		<p>policy planning to gain more knowledge about it 4. The course make aware the students on the social welfare policy and its implementation in the social institutions 5. The outcome of the course is to make the students a responsible citizen in knowing lot more about the social policy and its legislations</p>
SEMESTER IV		
HW24A	<p>Development planning – Community Development Specialization</p>	<p>1. The course will enable the students to gain more knowledge on Development planning and its various models and approaches 2. The students will learn more on the historical development of cooperative movement and its effect in the formation of cooperative society 3. The course will concentrate on the development of deprived and backward sections of Indian society 4. The outcome of the course is to provide knowledge on development planning for making the students to work for the development of rural areas and bring welfare and implement social policy with more effect 5. The course make the students to set development plans for the splendid growth of rural areas and work for their emancipation and achieve sustainable development goals through the government initiated development planning models and approaches</p>
HW24B	<p>Employee Relations and Labor Welfare</p>	<p>1. The students will be more skilled in collective bargaining, conciliation and efficient arbitrator to settle the trade disputes amicably 2. The students gain more knowledge on labour welfare philosophies and work as a labour welfare officer in industrial settings 3. The outcome of the course is to provide knowledge and exposure to industrial relations and its effect on trade unions 4. The course make the students to gain lot more knowledge on the concept of arbitration and settlement of disputes in the industrial settings 5. The course make aware the students about the statutory procedures laid down for settling the industrial disputes through conciliation and certain statutory norms</p>
HW24C	<p>Medical Social</p>	<p>1. The Students will develop a deeper understanding of</p>

	Work	<p>common Physical Diseases and Health problems of the Community 2. The Students will gain the capacity to perceive the relation of Environment and Socio Cultural and Psychological factors in the causation, treatment and prevention of diseases 3. The students can be well able to understand the concepts of role of medical social worker and their immense importance is needed in the hospital settings 4. The students can adequately work for the mental health of the society and make it a mentally happier society 5. The students can well study about the needs and problems of patients in their families and can give effective solution to their problems</p>
HW24D	Entrepreneurship Development	<p>1. The students imbibe the entrepreneurship skills in their practical settings to become a great entrepreneur 2. The outcome of the course is to make the students to learn techniques, principles and models of Entrepreneurship 3. The course enable the students to have a entrepreneurial perspective when initiating their business start-ups 4. The course make the students to know about the significance of entrepreneurship and its characteristics for elevating the position of student to upcoming entrepreneur 5. The course teach competency skills to students for competing vibrantly in the business market to increase the GDP ratio of the country</p>
HW24E	Organizational Behaviour and Organizational Development	<p>1. The students will learn the concepts on organization behaviour and its effect in the growth and development of the organization 2. The students gain tremendous knowledge on the theories of organization behaviour and implement the theories in the industrial settings 3. The outcome of the course is to make the students well verse in the OD concepts and its intervention techniques 4. The course make the students to well understand about these concepts for making them a highly efficient professional HR 5. The purpose of the course is to elevate the position of students knowledge to the level of HR professional</p>

		drastically
HW24G	Psychiatric Social Work	1. The students can be enriched with knowledge on institutional and extra mural approaches to provision of mental health services. 2. The students can acquire the skill to understand the various settings in psychiatry 3. The students can use the various psychological treatment methods for different mentally affected disorder patients 4. The students can use the psychological therapies for curing the mental illness to make the society more healthier 5. The students can acquire specific knowledge on the policies and legislations of mental health in India
HW241	Field Work – Community Development Specialization	1. To focus on urban community life pattern – its social, economic, political and cultural aspects with specific focus to informal settlements, their needs and problems 2. To develop skills in identifying and utilizing urban community resources both governmental and non-governmental agencies 3. To sharpen the urban community development skills such as influencing grass root urban leaders, rapport building, organizing, resource mobilization, recording, advocacy and lobbying 4. To develop skills in communicating, fact finding, fund raising, budgeting, report writing, urban community project formulation, management, appraisal and evaluation 5. To help the trainee gain insight into the components of Urban Community Development 6. To enhance competencies to assess and analyze urban problems, needs and service delivery. 7. To enhance the capacity to recognize the linkage between urban community development and the practices in the field in terms of policy and programmes.
HW241	Field Work – Medical and Psychiatric Social Work	1. To equip the students with the necessary skills for the Psychosocial assessment of persons with mental disorders and disabilities 2. To apply the methods of Social Work in the management of persons with mental disorders

	Specialization	<p>3. To enable the students to apply the theoretical approaches in practice and develop necessary skills for practice</p> <p>4. To enable the students to develop and implement a programme for Community Mental Health</p> <p>5. To acquire skills of networking and advocacy</p>
HW241	Field Work Practicum IV – Human Resource Specialization	<p>1. To practically understand the concept of Industrial Relations and to acquire the related competencies</p> <p>2. To familiarize with the Labor Legislations</p> <p>3. To learn to apply the various methods of Social Work in various Industrial Settings</p> <p>4. To observe the application of various Labor Welfare measures</p> <p>5. To observe the practice of current trends in HR</p> <p>6. To provide opportunity for the integration of class room learning and field practice</p> <p>7. To acquire human resource management skills</p>
HW44C	Migration Issues & Human Security	<p>1. Raise awareness about migration issues and the challenges faced by refugees.</p> <p>2. Study the impact of internal migration and the rural-urban divide on the economy.</p> <p>3. Understand the growing crisis of human trafficking at Indian borders and its security threats.</p> <p>4. Learn about the causes, effects, and concepts of internal and external migration globally.</p>

## M.Sc. Applied Psychology

COURSE NAME	COURSECODE	COURSE OUTCOME
<b>Semester:1</b>		
( CORE I ) THEORIES OF PERSONALITY	418C1A	CO1(K2): Understand the determinants of psychology and how it emerged as significant concept of psychology CO2(K2): Classify and compare various personality theories' basic principles and approaches in understanding human nature. CO3(K4): Explain a critical understanding of personality through various Western approaches including type and trait, psychoanalytic, socio-cognitive, and humanistic and contemporary theories. CO4(K5): Apply different personality theory's perspectives by engaging students in a discussion about the everyday applications of various personality theories. CO5(K5): Adapt to apply principles of personality in counseling practices
(Core II) RESEARCH METHODS AND APPLIED STATISTICS	418C1B	CO1(K2): Describe the elements of research, sampling and hypothesis formulation. CO2(K3): Develop research report in APA Style. CO3(K3): Apply knowledge for the selection of appropriate research design. CO4(K4): Analyze ethical issues in conducting a research CO5(K5): Explain the steps in conducting Psychological research.
(Core III) COUNSELING SKILLS AND TECHNIQUES	418C1C	CO1(K2): Discuss the skills and techniques of counseling offline and online. CO2(K3): Explain the basic counseling skills of listening, responding, challenging and formulating action plans. CO3(K4): Identify and differentiate skills at different stages of Counseling. CO4(K5): Evaluate the various counseling approaches that are skill based. CO5(K6): Apply the skills of counseling through classroom activities and practicum

Elective I GERIATRIC CHALLENGES AND DEVELOPMENT	418E1A	CO1(K2): Attain a comprehensive and scientific knowledge based on various aspects relating to geriatric care. CO2(K3): Analyze the health issues arising during old age. CO3(K4): Illustrate the welfare needs of the aged CO4(K4): Demonstrate skill development in managing elderly people in the family and community settings for the welfare of the elder persons. CO5(K6): Identify and promote support systems and networking for care of the older persons
Elective I PSYCHOLOGICAL INTERVENTION FOR DEVELOPMENTAL		CO1(K2): Describe the clinical picture of childhood disorders. CO2(K2): Explain the causal factors and prevalence of childhood disorders. CO3(K3): Compare the diagnostic criteria of different childhood disorders. CO4(K4): Identify the different types of psychological assessment of various childhood disorders. CO5(K5): Apply various behavioural management and remedial education strategies for the different developmental disorders through hypothetical case discussions.
Sem II PSYCHOMETRY (Core IV)	418C2A	CO1(K2): Describe the steps in test construction and standardization CO2(K3): Explain the requirements of item writing and methods in item analysis CO3(K4): Analyze test construction principles for different types of tests. CO4(K5): Summarize test standardization procedures such as reliability, validity and development of norms. CO5(K6): Plan test construction and/or standardization procedures for hypothetical tests
PSYCHOLOGICAL ASSESSMENT (Core V)	418C2B	CO1(K2): Explain the conceptual framework of psychological testing. CO2(K2): Identify the appropriate psychological test CO3(K3): Determine how to discuss the obtained individual data. CO4(K4): Evaluate the ethical issues in psychological testing. CO5(K6): Infer the Individual differences through psychological testing

BEHAVIOR MODIFICATION (Core VI)	418C2C	<p>CO1(K2): Demonstrate knowledge of the basic principles and techniques in operant and classical conditioning.</p> <p>CO2(K3): Apply the behavioral model to the procedure and practical applications of various techniques to establish new behaviors</p> <p>CO3(K4): Distinguish between behavior modification techniques to increase desirable behavior and decrease undesirable behavior, and their practical applications</p> <p>CO4(K4): Distinguish between behavior modification techniques for anxiety induction and anxiety reduction, and their practical applications</p> <p>CO5(K5): Recommend individualized behavior modification plans based on the various techniques learnt</p>
Elective II  ADDICTION COUNSELING	418E2A	<p>CO1(K2): Distinguish various drugs and various types of addiction</p> <p>CO2(K3): Apply the knowledge relating to addiction counseling, assessment and Interview techniques for making diagnosis</p> <p>CO3(K3): Able to Psycho educate family members to deal with addiction</p> <p>CO4(K4): Devise individualized treatment plan for addiction patients with respected to their bio-psychosocial environment</p> <p>CO5(K3): Apply various therapeutic techniques in addiction counseling.</p>
Elective II  PSYCHOTHERAPY	418E2B	<p>CO1(K2): Describe the basic concepts of different psychological therapies.</p> <p>CO2(K3): Examine the process of psychological therapies.</p> <p>CO3(K4): Analyze skills and techniques used in specific groups/ problems.</p> <p>CO4(K5): Critically evaluate psychological therapies for specific groups/ problems.</p> <p>CO5(K5): Recommend suitable strategies to be used in hypothetical cases</p>

## M.Sc. MATHEMATICS

<p><b>PROGRAMME OUTCOMES</b></p>	<p><b><u>PO1:</u></b> Disciplinary Knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of a Post graduate programme of study.</p> <p><b><u>PO2:</u></b> Critical Thinking: Capability to apply analytic thought to a body of knowledge; analyse and evaluate evidence, arguments, claims, beliefs on the basis of empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach to knowledge development.</p> <p><b><u>PO3:</u></b> Problem Solving: Capacity to extrapolate from what one has learned and apply their competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's learning to real life situations.</p> <p><b><u>PO4:</u></b> Analytical &amp; Scientific Reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples and addressing opposing viewpoints.</p> <p><b><u>PO5:</u></b> Research related skills: Ability to analyses, interpret and draw conclusions from quantitative / qualitative data; and critically evaluate ideas, evidence, and experiences from an open minded and reasoned research perspective; Sense of inquiry and capability for asking relevant questions / problem arising / synthesizing / articulating / ability to recognize cause and effect relationships / define problems. Formulate hypothesis, Test / analyse / Interpret the results and derive conclusion, formulation and designing mathematical models</p> <p><b><u>PO6:</u></b> Self-directed &amp; Lifelong Learning: Ability to work independently, identify and manage a project. Ability to acquire knowledge and skills, including "learning how to learn", through self-placed and self-directed learning aimed at personal development, meeting economic, social and cultural objectives</p>
<p><b>PROGRAMME SPECIFIC OUTCOMES</b></p>	<p><b><u>PSO1:</u></b> Acquire good knowledge and understanding, to solve specific theoretical &amp; applied problems in different area of mathematics &amp; statistics.</p> <p><b><u>PSO2:</u></b> Understand, formulate, develop mathematical arguments, logically and use quantitative models to address issues arising in social sciences, business and other context /fields.</p> <p><b><u>PSO3:</u></b> To prepare the students who will demonstrate respectful engagement with other's ideas, behaviors, and beliefs and apply diverse frames of references to decisions and actions. To create effective entrepreneurs by enhancing their critical thinking, problem solving, decision making and leadership skill that will facilitate startups and high potential organizations. To encourage practices grounded in research that comply with employment laws, leading the organization towards growth and development.</p>



COURSE NAME	COURSE CODE	COURSE OUTCOME
<b>Semester:1</b>		
Subject Name	Subject Code	Course Outcome
Algebra I	428C1A	<p>Students will be able to</p> <p>CLO 1: Recall basic counting principle, define class equations to solve problems, explain Sylow's theorems and apply the theorem to find number of Sylow subgroups</p> <p>CLO 2: Define Solvable groups, define direct products, examine the properties of finite abelian groups, define modules</p> <p>CLO 3: Define similar Transformations, define invariant subspace, explore the properties of triangular matrix, to find the index of nilpotence to decompose a space into invariant subspaces, to find invariants of linear transformation, to explore the properties of nilpotent transformation relating nilpotence with invariants.</p> <p>CLO 4: Define Jordan, canonical form, Jordan blocks, define rational canonical form, define companion matrix of polynomial, find the elementary devices of transformation, apply the concepts to find characteristic polynomial of linear transformation.</p> <p>CLO 5: Define trace, define transpose of a matrix, explain the properties of trace and transpose, to find trace, to find transpose of matrix, to prove Jacobson lemma using the triangular form, define symmetric matrix, skew symmetric matrix, adjoint, to define Hermitian, unitary, normal transformations and to verify whether the transformation in Hermitian, unitary and normal</p>
REAL ANALYSIS I	428C1B	<p>Students will be able to</p> <p>CLO1: Analyze and evaluate functions of bounded variation and Rectifiable Curves.</p> <p>CLO2: Describe the concept of Riemann-Stieltjes integral and its properties.</p> <p>CLO3: Demonstrate the concept of step function, upper function, Lebesgue function and their integrals.</p> <p>CLO4: Construct various mathematical proofs using the properties of Lebesgue integrals and establish the Levi monotone convergence theorem.</p> <p>CLO5: Formulate the concept and properties of inner products, norms and measurable functions.</p>

ORDINARY DIFFERENTIAL EQUATIONS	428C1C	<p>Students will be able to</p> <p>CLO1: Establish the qualitative behavior of solutions of systems of differential equations .</p> <p>CLO2: Recognize the physical phenomena modeled by differential equations and dynamical systems.</p> <p>CLO3: Analyze solutions using appropriate methods and give examples.</p> <p>CLO4: Formulate Green's function for boundary value problems.</p> <p>CLO5: Understand and use various theoretical ideas and results that underlie the mathematics in this course.</p>
GRAPH THEORY	428E1D	<p>At the end of this course, the student will be able to:</p> <p>CLO 1: Understand the basic definitions and concepts of graphs, subgraphs and trees.</p> <p>CLO 2: Learn and understand graph theoretic concepts like Connectivity, Euler's tour and Hamilton cycles, Matching, Edge coloring, Independent sets and cliques, vertex coloring and planar graphs.</p> <p>CLO 3: Apply these concepts in real world applications.</p>
FUZZY SETS AND THEIR APPLICATIONS	428E1F	<p>At the end of this course, the student will be able to:</p> <p>CLO 1: Understand the difference between Crisp and Fuzzy Subsets and the basics of Fuzzy Subsets and its several operations.</p> <p>CLO 2: Learn the Fuzzy Graphs and Fuzzy Relations of a Fuzzy Subsets.</p> <p>CLO 3: Learn the Fuzzy Logic and its variation from the Fuzzy Subsets especially with respect to the notations.</p> <p>CLO 4: Understand the Laws of Fuzzy Composition and how it can be related to the normal crisp set.</p>
<b>Semester</b>	<b>2</b>	
<b>Subject Name</b>	<b>Subject Code</b>	<b>Course Outcome</b>
ALGEBRA II	428C2A	<p>Students will be able to</p> <p>CLO1: Prove theorems applying algebraic ways of thinking.</p> <p>CLO2: Connect groups with graphs and understanding about Hamiltonian graphs.</p>

		<p>CLO3:Compose clear and accurate proofs using the concepts of Galois Theory.</p> <p>CLO4:Bring out insight into Abstract Algebra with focus on axiomatic theories.</p> <p>CLO5: Demonstrate knowledge and understanding of fundamental concepts including extension fields, Algebraic extensions, Finite fields, Class equations and Sylow's theorem.</p>
REAL ANALYSIS II	428C2B	<p>Students will be able to</p> <p>CLO1:Understand and describe the basic concepts of Fourier series and Fourier integrals with respect to orthogonal system.</p> <p>CLO2:Analyze the representation and convergence problems of Fourier series.</p> <p>CLO3:Analyze and evaluate the difference between transforms of various functions.</p> <p>CLO4:Formulate and evaluate complex contour integrals directly and by the fundamental theorem.</p> <p>CLO5:Apply the Cauchy integral theorem in its various versions to compute contour integration.</p>
PARTIAL DIFFERENTIAL EQUATIONS	428C2C	<p>Students will be able to</p> <p>CLO1:To understand and classify second order equations and find general solutions</p> <p>CLO2:To analyse and solve wave equations in different polar coordinates</p> <p>CLO3:To solve Vibrating string problem, Heat conduction problem, to identify and solve Laplace and beam equations</p> <p>CLO4:To apply maximum and minimum principle's and solve Dirichlet, Neumann problems for various boundary conditions</p> <p>CLO5:To apply Green's function and solve Dirichlet, Laplace problems, to apply Helmholtz operation and to solve Higher dimensional problem</p>
PROBABILITY THEORY	428E2B	<p>At the end of this course, the student will be able to:</p> <p>CLO 1: Understand the basics of Random Events and Random Variables.</p> <p>CLO 2: Learn the parameters of the distributions and characteristic function.</p> <p>CLO 3: Learn and apply probability distributions.</p> <p>CLO 4: Understand the limit theorems.</p>

NUMERICAL METHODS WITH C++ PRACTICALS	428E2F	<p>By the end of this course, students will be able to:</p> <p>CLO 1: Solve nonlinear and linear equations using numerical methods.</p> <p>CLO 2: Perform numerical differentiation, integration, and optimization.</p> <p>CLO 3: Apply techniques to solve ordinary and partial differential equations.</p> <p>CLO 4: Use C++ programming to implement and solve numerical problems.</p> <p>CLO 5: Develop practical skills in using numerical methods for real-world applications.</p>
<b>Semester</b>	3	
<b>Subject Name</b>	<b>Subject Code</b>	<b>Course Outcome</b>
COMPLEX ANALYSIS	528C3A	<p>Students will be able to</p> <p>CLO1: Analyze and evaluate local properties of analytical functions and definite integrals.</p> <p>CLO2: Describe the concept of definite integral and harmonic functions.</p> <p>CLO3: Demonstrate the concept of the general form of Cauchy's theorem</p> <p>CLO4: Prove Riemann Mapping theorem and Harnack Principle.</p> <p>CLO5: The Monodromy Theorem – Branch points.</p>
MECHANICS	528C3B	<p>Students will be able to</p> <p>CLO1: Demonstrate the knowledge of core principles in mechanics.</p> <p>CLO2: Interpret and consider complex problems of classical dynamics in a systematic way.</p> <p>CLO3: Apply the variation principle for real physical situations.</p> <p>CLO4: Explore different applications of these concepts in the mechanical and electromagnetic fields.</p> <p>CLO5: Describe and apply the concept of Angular momentum, Kinetic energy and Moment of inertia of a particle</p>

TOPOLOGY	528C3C	<p>Students will be able to</p> <p>CLO1: Define and illustrate the concept of topological spaces and the basic definitions of open sets, neighbourhood, interior, exterior, closure and their axioms for defining topological space.</p> <p>CLO2: Understand continuity, compactness, connectedness, homeomorphism and topological properties.</p> <p>CLO3: Analyze and apply the topological concepts in Functional Analysis.</p> <p>CLO4: Ability to determine that a given point in a topological space is either a limit point or not for a given subset of a topological space.</p> <p>CLO5: Develop qualitative tools to characterize connectedness, compactness, second countable, Hausdorff and develop tools to identify when two are equivalent (homeomorphic).</p>
Industry Module- Statistical Methods	528C3D	<p>Students will be able to</p> <p>CLO1: Demonstrate the knowledge of core principles in Statistics.</p> <p>CLO2: Interpret and consider complex problems of statistics in a systematic way.</p> <p>CLO3: Apply the variation principle for real physical situations.</p> <p>CLO4: Explore different applications of these concepts in the Statistical fields.</p> <p>CLO5: Describe and apply the concept of estimation, distribution and TPM</p>
MATHEMATICAL PYTHON I	528E3D	<p>Students will be able to :</p> <p>CLO 1: Understand Python programming basics, including variables, operators, and string operations.</p> <p>CLO 2: Work with Python data structures such as strings, lists, and tuples.</p> <p>CLO 3: Use conditional statements, loops, and functions to create logical program flows.</p> <p>CLO 4: Apply Python for linear algebra operations, including matrix manipulations and solving systems of equations.</p> <p>CLO 5: Implement numerical methods in Python,</p>

		such as root-finding and numerical integration.
<b>Semester</b>	<b>4</b>	
<b>Subject Name</b>	<b>Subject Code</b>	<b>Course Outcome</b>
DIFFERENTIAL GEOMETRY	528C4A	<p>Students will be able to</p> <p>CLO1: Explain space curves, Curves between surfaces, metrics on a surface, fundamental form of a surface and Geodesics.</p> <p>CLO2: Evaluate these concepts with related examples.</p> <p>CLO3: Compose problems on geodesics.</p> <p>CLO4: Recognize applicability of developable.</p> <p>CLO5: Construct and analyze the problems on curvature and minimal surfaces.</p>
Functional Analysis	528C4B	<p>Students will be able to</p> <p>CLO1: Understand the Banach spaces and Transformations on Banach Spaces.</p> <p>CLO2: Prove Hahn Banach theorem and open mapping theorem.</p> <p>CLO3: Describe operators and fundamental theorems.</p> <p>CLO4: Validate orthogonal and orthonormal sets.</p> <p>CLO5: Analyze and establish the regular and singular elements.</p>
		<p>Students will be able to</p> <p>CLO 1: Create 2D and 3D graphs using Python libraries such as Matplotlib.</p> <p>CLO 2: Solve problems in computational geometry, including distances, polygons, and transformations.</p> <p>CLO 3: Understand and implement linear programming using Python for operational research problems.</p> <p>CLO 4: Analyse two-dimensional and three-dimensional transformations graphically.</p> <p>CLO 5: Use Python to explore advanced mathematical concepts like Bezier curves and simplex methods.</p>

## UG - General English & Soft Skills

Semester	Course Name	Course Code	Course Outcome
I	General English - I	100L1Z	<ul style="list-style-type: none"> <li>● Acquire self awareness and positive thinking required in various life situations</li> <li>● Acquire the attribute of empathy</li> <li>● Acquire creative and critical thinking abilities.</li> <li>● Learn basic grammar</li> <li>● Development and integrate the use of four language skills i.e., listening, speaking, reading and writing.</li> </ul>
II	General English - II	100L2Z	<ul style="list-style-type: none"> <li>● Realize the importance of resilience</li> <li>● Become good decision-makers</li> <li>● Imbibe problem-solving skills</li> <li>● Use tenses appropriately</li> <li>● Use English effectively at the work place</li> </ul>
III	Language Through Literature –  I	LZ13A	<ul style="list-style-type: none"> <li>● To use literature as a medium to teach/learn grammar, reading, spelling, vocabulary, writing mechanics, creative writing and thinking skills</li> <li>● To strengthen contextual understanding of the language through texts relevant to specific disciplines and offer scope for imaginative involvement and selfexpression</li> <li>● To stimulate interest in acquiring twenty first century skills</li> <li>● To engage in self assessment activities for self-development</li> <li>● To help absorb the values, ethics and attitudes of life and culture expressed in literature</li> </ul>

III	Language Through Literature –  I	LZ13B	<ul style="list-style-type: none"> <li>● To use literature as a medium to teach/learn grammar, reading, spelling, vocabulary, writing mechanics, creative writing and thinking skills</li> <li>● To strengthen contextual understanding of the language through texts relevant to specific disciplines and offer scope for imaginative involvement and self-expression</li> <li>● To stimulate interest in acquiring twenty first century skills</li> <li>● To engage in self assessment activities for self-development</li> <li>● To help absorb the values, ethics and attitudes of life and culture expressed in literature</li> </ul>
III	Literary Appreciation	LZ13C	<ul style="list-style-type: none"> <li>● show their understanding of the significance of studying literature in the modern context and express their knowledge of the different literatures in English around the world</li> <li>● illustrate their learning of the different genres and literary forms in English</li> <li>● demonstrate their knowledge of styles, devices, elements/conventions in prose, poetry, drama and narrative</li> <li>● show enhancement of their knowledge of literary terms</li> <li>● acquire the literary tools to critique works of literature</li> </ul>
IV	Language Through Literature -  II	LZ14A	<ul style="list-style-type: none"> <li>● To use literature as a medium to teach/learn vocabulary, writing mechanics, creative writing and thinking skill</li> <li>● To strengthen contextual understanding of the language through texts and offer scope for imaginative involvement and self-expression</li> </ul>



			<ul style="list-style-type: none"> <li>● To help absorb the values, ethics and attitudes of life from personalities, perspectives and the cultural diversity in India from translated literary texts</li> <li>● To stimulate interest in acquiring twenty-first century skills</li> <li>● To engage in self assessment activities for self-development</li> </ul>
IV	Language Through Literature -  II	LZ14B	<ul style="list-style-type: none"> <li>● To use literature as a medium to teach/learn vocabulary, writing mechanics, creative writing and thinking skill</li> <li>● To strengthen contextual understanding of the language through texts and offer scope for imaginative involvement and self-expression</li> <li>● To help absorb the values, ethics and attitudes of life from personalities, perspectives and the cultural diversity in India from translated literary texts</li> <li>● To stimulate interest in acquiring twenty-first century skills</li> <li>● To engage in self assessment activities for self-development</li> </ul>
IV	Academic Writing	LZ14C	<ul style="list-style-type: none"> <li>● To equip the students at the tertiary level with an understanding of the basics of academic writing and the mechanics of writing for professional purposes</li> <li>● To acquire the knowledge and practice of using formal language and specific conventions to write about literature</li> <li>● To become adept in the requirements and specifications used for writing research papers</li> <li>● To empower the students with transferable skills for life and career</li> </ul>

## DEPARTMENT OF ENGLISH

### P.G Soft Skills/SEC - Skill Enhancement Courses

COURSE NAME	COURSE CODE	COURSE OUTCOME
Technical Writing	PSSEP	Knowledge Management and Management communication To learn to use formal genres of writing and organizational communication To understand resources and database for location information for data gathering To learn the principles of citation To learn copy writing, copy editing, proofreading skills required for Academic Writing
Translation and Communication	PSSEM	To acquire the art of translation To study various translation tools for effective translation To learn the importance of translation techniques, drawbacks, and the need for independent translation to learn translation within language to know the various theories of translation studies and how it is the need of the hour for global communication
Basics of Copy Editing	402S2C	Understand the basics of copyediting Be familiar with the role and responsibilities of a copyeditor Gain exposure to effective editing skills Appreciate the nuances of language and its significance in copyediting Be equipped to pursue a career in copyediting

**Course Outcomes (CO)**  
**M. Phil Commerce.**

S.NO	Subject/Course name	SUBJECT CODE	Course outcomes
1	<b>Paper I – Business Research Methods</b>	CAA01	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>● To impart knowledge on the various concepts, methods and tools of research.</li> <li>● To enhance the skill needed for the interpretation of data and preparation of research reports.</li> </ul>
2	<b>PAPER II ADVANCED FINANCIAL MANAGEMENT</b>	CAA02	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>● To enable students to learn the basic framework of financial management.</li> </ul> <p>To enable students to apply financial theory to solve realworld problems .</p>
3	<b>PAPER III- Dissertation</b>	CAA03	<p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> <li>● To expertise in research aspects.</li> </ul> <p>Handling contemporary topics with research methodology.</p>

### **M. Phil Social Work**

<b>PROGRAMME SPECIFIC OUTCOMES</b>	The learner is equipped with necessary skills in applying research and statistical methods in Social Work Research and Practice and enhances knowledge on social work pedagogy, curriculum development and field training.
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<b>SEMESTER I</b>		
MPSW 5A	Advanced Social Work Theory and Practice	The student has advanced theoretical knowledge and theoretical perspectives in the discipline of Social Work which allows him to articulate personal and professional values. He/ She is equipped with skills required for practice trans-disciplinary and international setting
MPSW 5B	Advanced Social Work Research Methodology and Statistics	The student has knowledge of Social Work Research Methodology and Statistics to conceptualize and execute a research study relevant in the discipline of Social Work by applying research and statistical methods.
MPSW 5C	Social Work Pedagogy and Scholarship	There is enhanced knowledge on social work pedagogy, curriculum development and field training which equip researchers with skills of technology, referencing, reviewing and Academic Writing skills