Bachelor of Commerce (B.Com.) Programme

Accountancy and Financial Management III

Course Objectives:

1. To acquaint learners with Partnership final accounts based on admission / retirement or death of a partner
2. To understand how LLP works
3. To demonstrate how amalgamation impacts firms in accounting prospects

Course Outcomes:
After successful completion of the course, the learner will be able to:-

1. Understand how to account for Partnership firms in case of admission / retirement or death of a partner
2. Understand the legal provisions and accounting implications of Limited Liability Partnership.
3. Study how amalgamation impacts firms in accounting prospects

Accountancy and Financial Management IV

Course Objectives:

1. To develop an understanding of company accounts
2. To understand about reconstruction of partnership firms
3. To acquaint learners about the role of underwriters & importance of underwriting
4. To make learners aware of accounting for investments

Course Outcomes:

After successful completion of the course, the learner will be able to:-

1. Develop an understanding of company accounts
2. Understand about reconstruction of partnership firms
3. Understand about the role of underwriters & importance of underwriting
4. Evaluate different investments.

Financial Accounting & Auditing – Introduction to Management Accounting

Course Objectives:

1. To develop an understanding of management accounting
2. To understand about differences between management, financial & cost accounting
3. To make learners compute & interpret different ratios & use ratio analysis as a financial tool to evaluate performance of companies
4. To make learners aware of different capital budgeting techniques used by management in decision making

Course Outcomes:

After successful completion of the course, the learner will be able to:-

1. Differentiate between management, cost & financial accounting
2. Compute & interpret different ratios
3. Apply ratio analysis as a financial tool to evaluate performance of companies
4. Evaluate different alternatives available under capital budgeting techniques for managerial decision making

Financial Accounting & Auditing VI – Auditing

Course Objectives:

1. To develop an understanding of auditing amongst the learners
2. To make learners acquainted with audit planning, programming & documentation
3. To make learners understand about different techniques of auditing
4. To introduce learners to a concept of vouching & verification under auditing.

Course Outcomes:

After successful completion of the course, the learner will be able to:-

1. Develop an understanding of auditing.
2. Acquaint themselves with audit planning, programming & documentation.
3. Understand about different techniques of auditing.
4. Explore a concept of vouching & verification under auditing.

Commerce Paper III - Management - Functions & Challenges

Objectives of the course:

1. To enable learners to understand management concepts, theories, laws and principles and its application in real –life situations.

2. To provide information to learners about the importance of functions and principles of management.

3. To develop an understanding of the application of different functions of management in decision making process.

Course Outcomes:

1. Learners are expected to understand management concepts, theories, laws and principles and its application in real –life situations.

2. Learners are expected to understand the importance of functions and principles of management.

3. Learners are expected to develop an understanding of the application of different functions of management in decision making process.

Commerce Paper IV - Management - Production & Finance

Objectives of the course:

1. To familiarize the learners with the operations of Financial market and provide insights into basic financial market instruments.

2. To enable the learners to comprehend the fundamentals of the production system, techniques of inventory control and its implementation in business.

3. To create and develop ideas of quality consciousness, quality management and techniques of quality control.

Course Outcomes:

1. Learners are expected to be familiar with the operations of financial market and have insights into basic financial market instruments.

2. Learners are expected to comprehend the fundamentals of the production system, techniques of inventory control and its implementation in business.

3. Learners are expected to create and develop ideas of quality consciousness, quality management and apply techniques of quality control in different walks of life.

Business Economics-III

Course Objectives:

1. To familiarize the students with the circular flow of income under closed and open economy.
2. To develop the understanding of various components of the National Income.
3. To demonstrate the principle of Aggregate Supply, Aggregate Demand model of the macro economy.
4. To illustrate the monetary policy operates, its tools, and how to control inflation though it.

Course Outcomes:

After successful completion of the course, the learner will be able to:-
1. Understand the macroeconomic concepts, theories, laws and principles.
2. Understand effective demand and its determinants under Keynesian macroeconomics approach
3. Illustrate unemployment, and inflation through Philips Curve and Nature of inflation in a developing economy.
4. Explain the functions of money, and define liquidity

Business Economics-IV

Course Objectives:
1. To understand the learners with the various concepts related to public finance
2. To acquaint the learners' sources of public revenue, public expenditure
3. To make the students understand the tools of fiscal policy.
4. To equip the learners with government budget and Intergovernmental Fiscal Relations
5. To make the learners understand the classification of public debt

Course Outcomes:

After successful completion of the course, the learner will be able to:-

1. Evaluate the effects of taxation and public expenditure

2. Evaluate the objectives of fiscal policy.

3. Analyze the sources of internal and external debt

4. Differentiate between the balanced and unbalanced budget

Advertising-I

Objectives of the Course:

1. To orient the learner with the concept and elements of Integrated Marketing Communication, Role of Advertising in IMC, Evolution and concept of advertising, Active participants in advertising and Classification of advertising.

2. To develop an understanding of Advertising agency, Agency and client relationship and Careers in Advertising among learners.

3. To acquaint the learner with the Economic, Social aspects of Advertising, Advertising Laws in India, and Self-regulatory bodies.

4. To familiarize the learner with the Brand building, special purpose advertising and Trends in advertising.

Course Outcomes:

1. learners are expected to develop an understanding of the concept and elements of Integrated Marketing Communication, Role of Advertising in IMC, Evolution and concept of advertising, Active participants in advertising and Classification of advertising.

2. Learners are expected to understand Advertising agency, Agency and client relationship and Careers in Advertising among learners.

3. Learners are expected to get acquainted with the Economic, Social aspects of Advertising, Advertising Laws in India, and Self-regulatory bodies.

4. Learners are expected to familiarize themselves with Brand building, special purpose advertising and Trends in advertising.

Advertising-II

Objectives of the Course:

1. To orient the learner with Traditional media, New age media, and Media research.
2. To develop an understanding among learners of the Advertising campaign, Advertising budget and Media planning.
3. To acquaint the learner with the fundamentals of creativity in advertising.
4. To familiarize the learner with the execution and evaluation of advertising.

Course Outcomes:

1. Learners are expected to get oriented with Traditional media, New age media, and Media research.
2. Learners are expected to develop an understanding of the Advertising campaign, Advertising budget and Media planning.
3. Learners are expected to get acquainted with the fundamentals of creativity in advertising.
4. Learners are expected to get familiarized with the execution and evaluation of advertising.

FOUNDATION COURSE Semester III
Understanding Science and Society in the Indian Context

Course Objectives:

1. To develop a basic understanding about issues related to Human Rights in India.
2. To understand causes of disasters and methods of dealing with them.
3. To understand the importance of scientific temper for the progress of society as a nation.
4. To develop soft skills for better coexistence.

Course Outcomes:

1. Implement governmental measures to monitor Human Rights in Indian Society.
2. Implement skills to prevent, mitigate and manage disasters.
3. Apply scientific temper in day-to-day life.
4. Demonstrate interpersonal skills and cross cultural sensibilities required to become a global citizen.

FOUNDATION COURSE IV
New Approaches to Science and Society

Course Objectives:

1. To introduce students to the rights of citizens essential for good governance.

2. To understand the different approaches to the study of ecology.

3. To acquaint the students with the modern scientific technological developments impacting the society.

4. To prepare students in domains tested as soft skills for competitive examinations.

Course Outcomes:

1. Suggest provisions for effective implementation of citizen charter.

2. Play an important role in the conservation and preservation of the environment by understanding the precautionary and participation principle.

3. Evaluate the application of scientific technology to human welfare and environment.

4. Develop an understanding of how to prepare for various competitive examinations, set career goals and manage time efficiently and effectively.

Business Law I

Course Objectives:

1. To equip the students with various Business Laws and aid them in understanding its applicability.

2. To aid the students in understanding the importance of the said laws, the consequences of non-compliance and adherence to various laws in business.

3. Equip themselves with a basic understanding of the legal system in India.

4. Understanding different financial instruments and different legal aspects of it.

5. Establishing a linkage between Law & Society

Course Outcomes:

1. Students will get overview of most of the laws applicable to Business

2. Students will not only be aware of laws but also will be able to understand it applicability

3. Students will get accustomed to follow various laws when they start their own business or work in the industry/corporates

4. It will certainly help the students to understand the fundamentals of prescribed laws.

Business Law II

Course Objectives:

1. To equip the students with various Business Laws and aid them in understanding its applicability.
2. To aid the students in understanding the importance of the said laws, the consequences of non-compliance and adherence to various laws in business.
3. Equip themselves with a basic understanding of the legal system in India.
4. Understanding different financial instruments and different legal aspects of it.
5. Establishing a linkage between Law & Society

Course Outcomes:

1. Students will get overview of most of the laws applicable to Business
2. Students will not only be aware of laws but also will be able to understand it applicability
3. Students will get accustomed to follow various laws when they start their own business or work in the industry/corporates
4. It will certainly help the students to understand the fundamentals of prescribed laws.

B.Com. (Accounting & Finance) Programme

Financial Accounting (Special Accounting Areas)

Course Objectives:

1   To learn structure of Final Accounts of Partnership Firms with Admission, Retirement, Death of partner
2   To learn actual implementation of dissolution of partnership firm with the technique of Piecemeal Distribution of Cash.
3   To learn procedure of Amalgamation of partnership firm
4   To learn procedure of conversion of partnership firm into joint stock company.
5   To understand transactions with foreign currencies and its translation into Indian Currency.

Course Outcome:

1.   Understand all transactions and procedure regarding final accounts of partnership firm with various capital methods.
2.   Solve practical problems after considered order of payment regarding piecemeal distribution of cash and to experience actual procedure of dissolution of partnership firm.
3.   Calculate purchase consideration by net assets method before the amalgamation of partnership firm and solving practical problems after considering various adjustments.
4.   Understand inter settlement between and old firm and new company before the conversion of partnership firm into the new joint company.
5.   Convert foreign currency translation into Indian currency in practical manner.

Cost Accounting (Methods of Costing)

Course Objectives:

1. To recall cost elements and to explain cost sheet structure.
2. To determine price through Estimated cost sheet.
3. To identify the causes of difference between Cost Accounting Records & Financial Accounts.
4. To understand the concept of contract costing along with escalation clause.
5. To understand various aspects of process costing along with joint and by product.

Course Outcome:

1. The student is able to identify and compute various cost elements into Cost Sheet (Historical and Estimated).
2. The student is able to compute the selling price for output and identify the non-cost elements.
3. The student is able to compare and reconcile the cost records with financial accounts.
4. The student is able to determine the profit generated in Contract costing.
5. The student is able to compute process wise cost per unit. Appropriating cost among joint and by products.

Direct Taxation – I

Course Objectives

1. To get basic knowledge about Direct Tax.
2. To identify the legal status of person and classify the income as per the heads.
3. To able to calculate taxable income under five heads and gain knowledge on proper tax planning by investing in various schemes to reduce the tax liability.

Course Outcome:

1. The student will be able to gain knowledge on Basic concepts in direct tax.
2. The student will be able to classify income as per the heads indicated under income tax laws.
3. The student will be able to develop an insight into how savings and investment in proper schemes will reduce their tax liability.
4. The student will understand how to compute the total Income of Individuals and helps them to file return.

Information Technology in Accountancy - I

Course Objectives

1. To study types of software and hardware.
2. To study Office automation software. (Word, excel, PowerPoint etc.)
3. To study different Web techniques.
4. To study different internet concepts to study internet security, EDI, legal issues.
5. To study different terminologies of e-commerce and its managerial aspects.

Course Outcome

1. To learn different parts of hardware & different types of software
2. To study and execute different commands of Ms word, Ms Excel and Ms PowerPoint (Recognize when to use each of the Microsoft Office Programs to create professional and academic documents.)
3. To know Downloading information, creating e-mail ID and sending, receiving emails, for effective data communication
4. To learn legal issues of internet, importance of electronic data interchange and e-commerce.
5. To apply web-based tools for e-commerce, security, logistics and support activities

Foundation Course in Commerce (Financial Market Operations) – III

Course Objectives

1. To aid the students in understanding the Indian financial system comprehensively
2. To acquaint the students with various components of the financial markets
3. To expose the students to the different types of financial services & functioning
4. To help the students to learn the various financial instruments
5. To acquaint the students with the intermediaries of the financial system

Course Outcome

1. The students will understand the constituents of the financial system in detail.
2. The students will learn the fundamentals of the financial market & its components
3. The students get acquainted with the role and functions of financial intermediaries.
4. The students will get an overview of the various financial instruments.
5. The students will be accustomed with the different types of financial services and its application.

Business Law (Business Regulatory Framework) – II

Course Objectives:
1. To equip the students with various Business Laws and aid them in understanding its applicability.
2. To make students understand about the Partnership, Limited Liability Partnership and Consumer Protection Act and Intellectual Property Rights
3. To aid the students in understanding the importance of the said laws, the consequences of non-compliance and adherence to various laws in business.
4. To acquaint the students with the practical application of the provisions of various laws such as Partnership, LLP and Consumer Protection and Intellectual Property Rights, etc.

Course Outcome:

1. Students will get overview of most of the laws applicable to Business
2. Students will not only be aware of laws but also will be able to understand it applicability
3. Students will get accustomed to follow various laws when they start their own business or work in the industry/corporates
4. It will certainly help the students to understand the fundamentals of prescribed laws.

Business Economics II

Course Objectives

1. To understand the concepts & methods of collecting National Income.
2. To know different phases of trade cycles & effective demand.
3. To understand concept of consumption & Investment, Multiplier.
4. To know the concept of money supply & money demand.
5. To understand the concept of public goods, Revenue, Debt & Expenditure.
6. To understand international trade, FDI, BOP & foreign Exchange rate.

Course Outcome:

1. The learners will be able to know the concepts of National Income.
2. The learners will be able to learn the relevance & mechanics of trade cycles.
3. The learners will be able to know how RBI controls money in the economy.
4. The learners will be able to analyse the source of public revenue & expenditure and relevance of FRBM act.
5. The learners will be able to understand international trade & its impact on BOP.
6. The learners will be able to know the details of foreign exchange market.

Financial Accounting (Special Accounting Areas) – IV

Course Objectives:

1. To prepare final accounts of company as per relevant provision of Companies Act.
2. To help in gaining the ability of using accounting information as a tool in applying solutions for evaluating the financial performance.
3. For understanding Redemption of Preference shares as well as Redemption of Debentures as per the provisions of companies Act.
4. Ascertainment and treatment of Profit Prior to Incorporation.
5. Discuss about Foreign branches and their roles & limitations.

Course Outcomes:

1. Understand all procedures regarding final accounts as per companies Act.
2. Started interpreting the financial structure after redemption of Preference shares.
3. Started interpreting the financial structure after redemption of debentures.
4. Solve practical problems after considered order of payment regarding profit prior to incorporation and to experience actual procedure of pre & post incorporation.
5. Calculate net profit by conversion of Indian currency in other currencies in foreign branch and solving practical problems after considering various adjustments.

Management Accounting (Introduction to Management Accounting)

Course Objectives:
1. To Understand the Importance of Management accounting to various stakeholders
2. To Analyze and interpret Accounts by various methods especially Ratio Analysis
3. To Analyze Cash Flow to Business
4. To Analyze and Compute Working Capital requirement to Business

Course Outcomes:
1. The student will be able to understand the financial data needed by Management
2. The student will be able to analyze and interpret Financial Statements through ratio analysis
3. The student will be able to interpret position of business through cash flow statement
4. The student will be able to compute the requirements of Working Capital for Business

Course Name: Direct Taxation- II

Course Objectives:
1. To make aware about provisions of Direct Tax while doing Clubbing of Income, Set off & carry forward of losses.
2. To understand the provisions and procedures for computing tax liability of individual, HUF & Partnership Firm.
3. To make aware about TDS, Advance Tax & Interest.
4. To make students understand about provisions & procedures of Return of Income and DTAA.
5. Discuss Tax Planning, basic concepts & Ethics in taxation.

Course Outcomes:
1. Students will be able to calculate clubbing of Income, Set off & Carry forward.
2. Students will be able to Income for Firm
3. Students will come to know in detail about tax planning & Ethics.
4. Students will be able to compute TDS, Advance tax & Interest.
5. Students will be able to know in detail about Double Taxation Avoidance Agreement (DTAA).

Information Technology in Accountancy – II

Course Objectives:
1 To study Business process management and automation of business process
2 To understand computerized accounting system software like Tally ERP, Excel

3   To study Management Information System which helps organization like HR,marketing, Finance etc

4   To know Internal audits to evaluate the effectiveness of operation's internal controls

Course Outcomes:
1. To learn need and importance of business process, business process management in IT, BPM life cycle and its application their respective areas
2. To have practical knowledge of Tally software as ERP accounting software and Excel
3. To know importance and applications of existing information system in management, role of computer in MIS and make it more efficient
4. To study different IT auditing techniques and relevance of cyber laws

Foundation Course in Management (Introduction to Management)-IV

Course Objectives:

1. To understand the management concept of various organizations.
2. To study the need, importance, and steps of planning function.
3. To understand the organizing function for effective management.
4. To comprehend the recruitment and staffing function
5. To understand the need, and importance of directing and controlling function.

Course Outcomes:

1. To identify and apply management concepts.
2. To use planning function for effective results.
3. To formulate organization chart for effective command and control.
4. To engage into right recruitment and selection activities.
5. To use leadership and motivation for effective Directing and controlling function.

Business Law (Company Law) – III

Course Objectives:
1   To equip the students with the significant provisions of The Companies Act, 2013 with respect to incorporation, issue of securities, meetings, membership, directors and winding up.
2   To aid the students in understanding the relevant Rules, Schedules, and Amendments with respect to the Companies Act, 2013.
3   To acquaint the students with the practical application of the Act with respect to companies.

Course Outcomes:

1   Get an overview of the principal provisions applicable to the companies under the Act
2   Understand the effect of the Act on functioning of Companies.
3   Learn the necessary compliance and rules companies need to adhere under the Act.

Research Methodology in Accounting and Finance

Course Objectives:

1 To understand concept of research methodology.
2 To know formulation of research problem.
3 To understand research designs.
4 To identify sources of data & sampling techniques.
5 To understand techniques of report writing.

Course Outcomes:

1. Learners will know the basics of research.
2. Learners will understand drafting of research problem.
3. Learners will be able to construct questionnaire for data collection.
4. Learners will be able to know techniques of report writing.

Financial Management I

Course Objectives

1. To explain concept of Finance, different types of finance and explore different sources of raising finance.
2. To understand Profit Maximisation and Wealth Maximisation.
3. To understand financial goal setting and approaches to financial Planning.
4. To explain Time Value of Money and Techniques of Discounting and Compounding.
5. To understand Capital Budgeting Techniques and Selection and Comparison of Different investments.
6. To understand cost of raising funds from different sources of Finance.
7. To explain how to frame ideal Capital Structure by comparing Cost and Return on investment.
8. To understand impact of dividend policy on cost of raising funds.

Course Outcome:

1. A learner understands difference between Public Finance and Private Finance.
2. Learner Understand advantages and limitations of different sources of finance. Learner can set financial goals and understands Future value and Present Value of money and its importance.
3. Learner learns effective application of funds by using different Capital Budgeting Techniques.
4. Learner can understand impact of change in proportion of Owned Funds and
5. Borrowed Funds in Capital Structure of Companies
6. Lerner understands impact of different dividend policies on shareholders and on company's financial position

Management Accounting

Course Objectives

1. To understand the basic concepts and processes of management accounting.
2. To be able to understand the different techniques which management uses to take decisions for the future of organization like ratio analysis, working capital requirements etc.
3. To understand and analyse how different accounting techniques are useful to decide financial position of the company.
4. To able to understand Capitalisation of Reserves, Right Issue, Stock Split.
5. To be able to learn different Models of Dividend Policy.

Course Outcome:

1. Students will understand concept of management accounting and its implications in the organisation.
2. Use Financial Statements to evaluate firm performance.
3. Students gain knowledge of different accounting ratios and its application.
4. Students understand the concept of working capital management.
5. Students will be able to understand different models of dividend policy. The student will be able to recite components of financial system

Organisational Behaviour

Course objectives:

1. To understand the various determinants of personality and major personality traits influencing OB.
2. To acquaint students to the theories of learning, factors influencing perception, workplace emotions and individual decision making.
3. To expose students to concepts of group communication, power and politics, negotiations, transactional analysis, virtual teams and group decision making.
4. To make students relate to concepts of organizational dynamics such as structure, design, differentiation and climate.
5. To make learners visualize and understand how OB is practiced in Banking and Insurance industry.

Course Outcomes:

1. Learners will be able to identify different personalities, perceive efficiently and be good decision makers.
2. Learners will know importance of group communication, will understand how conflicts and politics emerge in organizations, be acquainted to concept of transactional analysis and will learn how to take part in group decision making.
3. Learners will know the different concepts related to organization structure.
4. Learners will get an exposure to know how the organizational behaviour practices are conducted in Banking and Insurance sector.

Information Technology in Banking & Insurance I

Course Objectives
1. To understand the e-payment modes and its security concerns.
2. To understand Microsoft Word.
3. To understand Microsoft Excel.
4. To introduce cybercrimes and laws governing the same.
5. To understand the internet technology with wider emphasis on e-commerce.

Course Outcome:

1. The student will learn various e-payment modes along with its security issues.
2. The student will be able to prepare documents, letters and do formatting using Microsoft Word application.

3. The student will be able to maintain accounts and calculations for day-to-day activities using Microsoft Excel application.
4. The student will learn various laws related to cybercrime and IT Act 2000.
5. The student will learn various impacts of internet technologies on e-commerce.

FC (III) An Overview of Banking Sector

Course Objectives

1. To explain banking system & regulations operating in Indian Banking industry.
2. To understand the nature of business of commercial, corporate, retail & rural banking.
3. To summarize the services provided by universal bank.
4. To study how Information Technology plays important role in banking for improving customer service.
5. To relate the role of micro finance in financial inclusion.
6. To discuss the concept portfolio securitization.
7. To understand the structure & functioning of micro finance institutions & SHGs in India.
8. To summarize various government initiatives towards financial inclusion.

Course Outcome:

1. The student will be able to comprehend various reforms brought in banking sector
2. The student will be able to explain the application of various rules in banking sector.
3. The student will be able to differentiate the nature of operation conducted by commercial, corporate, retail and rural bank
4. The student will be able to describe the structure & nature of business of universal banks.
5. The student will be able to evaluate the role of information technology in delivering Value addition to customers in banking sector.
6. The student will be able to evaluate critically government schemes in financial inclusion.
7. The student will be able to develop insight about importance of microfinance and self-help group in financial inclusion

Financial Markets

Course Objectives

1. To overview the evolution of Indian Financial System.
2. To recall the structure of Indian financial system.
3. To understand regulatory framework monitoring financial sector.
4. To illustrate the functioning of money market in India.
5. To outline various methods of collecting finance from capital market.
6. To overview functioning of stock market.

7. To explain the structure of debt market in India.
8. To highlight the importance of commodities market.
9. To explain Commodities market in India and Abroad.
10. To list down various types of derivative instruments and its features.
11. To understand the benefits of financial derivatives.
12. To study BSE and NSE with reference to derivatives.

Course Outcome:

1. Identify supervisory role of regulatory authorities in financial sector
2. Distinguish the nature of banking & non-banking institutions
3. Analyze current scenario of Indian Financial System.
4. Categorize various instruments dealt in money market, capital market.
5. Outline the book building process in IPO and legal requirements.
6. Explain various concepts related to stock market and new issue market.
7. Compare various instruments dealt in derivatives market.
8. Highlight the importance of derivatives market in financial sector.
9. List down various commodities dealt in commodities market.
10. Discuss about various Indian and World Commodities market.

Direct Taxation

Course Objective

1. To get basic knowledge about Direct tax.
2. To identify the legal status of person and classify the income as per the heads.
3. To able to calculate taxable income under five heads and gain knowledge on proper tax planning by investing in various schemes to reduce the tax liability.

Course Outcome:

1. The student will be able to gain knowledge on Basic concepts in direct tax.
2. The student will be able to classify income as per the heads indicated under income tax laws.
3. The student will be able to develop an insight into how savings and investment in proper schemes will reduce their tax liability.
4. The student will understand how to compute the total Income of Individuals and helps them to file return.

Financial Management II

Course Objectives:
1. To know about working capital, the different types of Working Capital, Factors affecting Working Capital, to estimate working capital requirement of a company and to learn about the different methods of working capital financing.
2. To learn about different budgets and to learn how to prepare different budgets for the company.

3. To understand how to manage the credit in order to optimize the returns using the credit sales.
4. To know about business risk and financial risk and how to calculate degree of leverage to measure the risk.
5. To know about the different sources of finance available to a company.

Course Outcome:

1. The student will be able to estimate the working capital required for a company and to calculate the amount the Maximum Permissible Bank Finance under the methods given by Tandon Committee.
2. The student will be able to prepare Cash budget, sales Budget, Flexible Budget, Production Budget, Raw Material Consumption Budget and Purchase Budget for a manufacturing company.
3. The student will be able to evaluate the different credit policies and to suggest the company to choose the most effective credit policy for maximizing the profit under the given circumstances.
4. The student will be able to measure business risk and financial risk using degree of operating leverage and degree of financial leverage.
5. The student will be able to understand different long term and short-term sources of finance available to a company.

Cost Accounting

Course Objectives:

1. To Understand concepts of Cost, Costing and Cost Accounting and learn the importance of Cost Reporting and Cost Controlling.
2. To Learn various Types of Cost and Its Classification under different bases.
3. To Learn methods of costing and prepare elementwise Cost Sheet.
4. To Understand differences & reconciliation between Cost & Financial Accounting.
5. To learn applicability of Standard Costing. And analyse various variances
6. To Learn the concepts of Absorption Costing and Marginal Coting.
7. To Learn Cost- Volume- Profit Analysis and Breakeven Analysis.

Course Outcome:

1. The learner will able to identify different types of cost and can find ways to control this cost.
2. The Learner can distinguish between Cost centre, Profit Centre and Investment Centre.
3. The Learner Can Prepare Cost Sheet.
4. The learner can Identify items appearing in Financial Accounting and Cost Accounting respectively.
5. The learner can understand different types of Standards to be set.

6. The learner can calculate variance between standard Cost and Actual Cost and analyze it.
7. The learner can ascertain effects on Profit due to change in Volume and Output.
8. The learner can identify Break-Even Point where there will be No profit and No loss.

Entrepreneurship Management

Course Objectives:
1. To introduce the students to a novel mode of business i.e. entrepreneurship.
2. To acquaint the students with theories, modes, structure, and other critical factors of entrepreneurship.
3. To aid the students in understanding the key areas of an entrepreneurial venture, namely marketing, operations, finance, and human resource.
4. To familiarize the students with the evolving concepts of entrepreneurship

Course Outcome:

1. The student will be able to understand the basic development of entrepreneurship as a profession and recognize the role and significance of entrepreneurship as a career in the society.
2. The student will be able to access the critical roles of market research, competitive analysis, consumer-value proposition, and market-entry strategy in the development of a business plan.
3. The student will be able to acknowledge the importance of ethics, sustainable innovation and global issues pertaining to entrepreneurship.
4. The student will be able to access the relevance of Institutional support in the success and growth of entrepreneurship.

Information Technology in Banking & Insurance II

Course Objectives:
1. To understand the various E-banking Business Models and implementation.
2. To understand various Database technologies and how to deal with Fraudulent transactions.
3. To understand various E-Checks - Protocols and Standards.
4. To understand various IT Applications in Banking.
5. To understand Microsoft PowerPoint.
6. To understand Microsoft Outlook and Google Drive.

Course Outcome:

1. The student will learn various E-banking Business Models and its implementation. The student will learn how to use Database technologies and how to deal with Fraudulent transactions.
2. The student will learn different protocols ad standards related to E-Checks.
3. The student will learn various IT Applications in Banking Sector.

4. The student will be able to prepare presentation using Microsoft PowerPoint.
5. The student will be able to maintain various documents online via Google Drive and send Emails via Microsoft Outlook.

Foundation Course IV (An Overview of Insurance Sector)

Course Objectives:
1. To understand various concepts and classification of life insurance
2. To understand terms related to health insurance along with its various schemes
3. To give knowledge and understanding of home Insurance.
4. To understand different types of vehicle insurance.
5. To understand the role of insurance in logistics.
6. To give an overview of fire insurance and different concepts in fire insurance.

Course Outcome:

1. The student will be able to discuss features and benefits of various types of life insurance.
2. The student will be able to explain various terms related to health insurance.
3. The student will be able to list down the procedure for cashless and reimbursement policy under health insurance.
4. The student will be able to understand different types of home Insurance and vehicle insurance with their coverage and exclusions.
5. The student will be able to understand how logistic insurance is useful to business organisations and different types of policies.
6. The student will be able to learn different fire insurance plans.

Corporate & Securities Law

Course Objectives:

1. To well equip the students to various Corporate and Securities laws
2. To make student aware of applicability of laws in Company.
3. To upgrade students' knowledge on working of various types of businesses such as banking and insurance sector.
4. To make students understand about the limited companies and their shares traded in stock exchange.
5. To make students understand the importance of laws, the consequences of noncompliance and adherence to various laws in corporates.
6. To give knowledge of various laws such as Company Law, SEBI, Depositories, etc

Course Outcome:

1. The student will be able to get overview of most of the laws applicable to Companies.
2. The student will not only be aware of laws but will be able to understand it applicability.
3. The student will be able to get accustomed to follow various laws when they start their own business or work in Companies.
4. The student will be able to understand the fundamentals of prescribed laws.

Business Economics II

Course Objectives

1. To understand the concepts & methods of collecting National Income.
2. To know different phases of trade cycles & effective demand.
3. To understand concept of consumption & Investment, Multiplier.
4. To know the concept of money supply & money demand.
5. To understand the concept of public goods, Revenue, Debt & Expenditure.
6. To understand international trade, FDI, BOP & foreign Exchange rate.

Course Outcome:

1. The learners will be able to know the concepts of National Income.
2. The learners will be able to learn the relevance & mechanics of trade cycles.
3. The learners will be able to know how RBI controls money in the economy.
4. The learners will be able to analyse the source of public revenue & expenditure and relevance of FRBM act.
5. The learners will be able to understand international trade & its impact on BOP.
6. The learners will be able to know the details of foreign exchange market.

B.Com. (Financial Markets)

DEBT MARKET I

Course Objectives:

1. To understand the concept of Debt Market
2. To know different instruments of Debt Market
3. To understand the risk attached with debt securities
4. To know the relationship between risk and return
5. To study participants of Debt Market

Course Outcome:

1: The learners will be able to know the concepts of Debt Market.
2: The learners will be able to learn about the instruments of Debt Market.
3: The learners will be able analyze the risk attached with debt securities.
4: The learners will be able to analyze risk and returns on debt instruments.

EQUITY MARKET I

Course Objectives:

1. To understand concept of corporate sector, Separation of ownership and management, and fundamentals of equity markets in India
2. To know different financial products in primary market, roles of players in financial markets, terminology in equity market
3. To get idea about functioning of secondary markets in equity, role of players in secondary market, nature of stock exchanges in India and overseas stock exchanges and stock market indices
4. To understand importance of equity markets in India.

Course Outcome:

1. Students understand concept of corporate sector, Separation of ownership and management, and fundamentals of equity markets in India.
2. Students know about different financial products in primary market, roles of players in financial markets, terminology in equity market Students will be able to analyse IPOs in equity market and evaluate its impact on trading.
3. Understand functioning of secondary markets in equity, role of players in secondary market, nature of stock exchanges in India and overseas stock exchanges and stock market indices.
4. Students understand importance of equity markets in India and can analyses the strength of secondary markets.

PORTFOLIO MANAGEMENT

Course Objectives:

1. To understand the concept of Portfolio management
2. To understand goals of portfolio management
3. To know different approaches of portfolio management
4. To study risk analysis and risk optimization of portfolio.

Course Outcome:

1: The learners will be able to understand the concept of Portfolio management.
2: The learners will be able to learn goals of portfolio management
3: The learners will be able know different approaches of portfolio management.
4**:** The learners will be able to study risk analysis and risk optimization.

BUSINESS LAW I

Course Objectives:

1. Understand the basics of different laws / Acts of importance.
2. Briefly understand contract act, partnership act, negotiable instruments act etc.
3. Equip themselves with a basic understanding of the legal system in India.
4. Understanding different financial instruments and different legal aspects of it.

Course Outcome:

1: Student understand all aspects of Indian Contract Act.
2: Student get the knowledge of special contracts.
3: Students can learn and apply Sale of Goods Act.
4: Students will learn about different financial instruments and different legal aspects of it.

FOUNDATION COURSE III: MONEY MARKET

Course Objectives:

1. To understand the concept of Money Market.
2. To know different instruments of Money Market.
3. To understand money market mutual funds.
4. To study developments of Money market.

Course Outcome:
1: The learners will be able to know the concepts of Money Market.
2: The learners will be able to learn about the instruments of Money Market.
3: The learners will be able understand money market mutual funds.
4: The learners will be able to study developments of money market.

Management Accounting

Course Objectives:

1. To know scope and importance of management accounting.
2. To evaluate importance of the quality of managerial decision making.
3. To analyses performance of companies by comparing Different ratios, preparing common-size and comparative statements.
4. To understand the cash flow position of the company on the basis of available financial statements.

Course Outcome:

1: Students will understand nature, scope and functions of Management Accounting.
2: Students can analyze and interpret accounts by preparing comparative and Common-size. financial statements, and calculating and comparing financial ratios.
3: Students can analyze cash inflow and outflow position of an organization based on its financial statements.
4**:** Students can estimate working capital requirement based on financial statements of trading and manufacturing organizations.

Computer Skills II

Course Objectives:

1. Understand the business use of computers.
2. Understand in depth Microsoft Word, Excel, Power point and   Access.
3. Understand the latest version of Tally software etc.
4. Become proficient in the use of computers in various aspects of Financial Markets.

Course Outcome:

1. Students learn about how to create and use Macro's, Pivot and Graphs. Learn and do complex calculations using different advanced formula's Like Data and time, Lookup, Text Manipulation and Financial Formula's.
2. Student learn about DBMS concepts, create and use different Database structures with Tables and fields and keys using DBMS software's like MS ACCESS.
3. Students Learn about different E-Business Software Systems like ERP/SCM / CRM / SFA.
4. Students Learn about emerging trends in Online Banking and Trading, Different Types of Trading and Treading Service provider organizations and their Services.

DEBT MARKET II

Course Objectives:

1. To understand the concept of Debt Market
2. To know different instruments which are newly introduced in Debt Market

3. To understand the risk attached with debt securities
4. To know the relationship between risk and return & to understand the concept of yield curve and different yield curves

Course Outcome:
1. The learners will be able to know the concepts of Debt Market.
2. The learners will be able to learn about the instruments which are newly introduced in Debt Market.
3. The learners will be able analyse the risk attached with debt securities. The learners will be able to analyse risk and returns on debt instruments.
4. The learners will be able to understand the concept of yield curve and different yield curves.

EQUITY MARKET II

Course Objectives:
1. Introduction of concepts of Disinvestments, FDI, FIIs - a real boosters of Equity Markets.
2. Help students in market analysis using fundamental aspects and technical indicators
3. Introduction to statistical analysis narrating various useful theories
4. In depth Knowledge of dealing in stock exchanges and learning about formalities of clearing and settlement.

Course Outcome:

1. Students gets knowledge of allied topics like Dis-investment, FDI and FII, and learn how it helps in boosting a market.
2. Learning various techniques of market analysis – fundamental and technical analysis.
3. Knowledge of various statistical analysis theories.
4. Knowledge of Trading, clearing and settlement.

COMMODITY DERIVATIVES

Course Objectives:
1. To give learners exposure to commodity trading both OTC and Exchange traded.
2. To make the learners aware about commodity trading, its regulations, settlement and clearing mechanism.
3. To make the learners learn about the regulatory framework related to commodity derivative.
4. To give an opportunity to the learners to learn about derivative contracts like forwards, futures, options, and their payoff's where commodity is an underlying asset.
5. To make the learners aware about the concept of pricing of commodity derivatives.

Course Outcome:

1: Learners will be having conceptual knowledge of commodity derivative.
2: Learners will have clarity about various types of commodity derivatives
3: Learners will be aware of commodity trading and its procedure.
4: Learners will have clarity of rules and regulations pertaining to commodity derivative trading.

BUSINESS LAW II

Course Objectives

1. Understand Indian Companies Act, 2013
2. Understand IPR, Patents, Copyrights and Trade Marks
3. Understand legal aspects of Indian Partnership Act, 1932
4. Understand Limited Liability Partnership and legal aspects in it
5. Understanding Securities Contract Regulation Act and SEBI

Course Outcome

1. Students get knowledge and understand application of Indian Companies Act, 2013.
2. Students get knowledge and understand application of IPR, Patents, Trade Marks, Copyrights.
3. Students get knowledge of legal aspects in Indian Partnership Act and how LLP is different than Partnership under Partnership Act.
4. Students get knowledge of procedures under Securities Contract Regulation Act SEBI rules and regulations.

FOREIGN EXCHANGE MARKET

Course Objective:
1. To Understand in detail about the functioning of FOREX market.
2. To analyze and solve practical sums on Exchange rate determination, to have hands on experience about foreign exchange calculations.
3. To gain knowledge about various Forex Market participants like Hedgers, Arbitrageurs and speculators in Forex Market.
4. To have knowledge about various foreign market contracts.
5. To know about risk management procedures in Foreign Exchange Market.

Course Outcome:
1. Students will gain knowledge about Foreign Market transactions.
2. Students will acquire knowledge about Exchange rate determination and gain experience on how to make forex market calculations.
3. Students will get to know various contracts carried on in Forex market.
4. Students will gain experience about risk management techniques in Forex Market.

CORPORATE FINANCE

Course Objectives:

1. Introduction of theoretical aspects of Corporate Finance.
2. Learning and application of cost of Capital.
3. Learning and application of Marginal costing and BEP.
4. Learning and application of capital budgeting.
5. Learning about capital structure and is impact on EPS.

Course Outcome:

1: Students learn theoretical aspects of corporate finance.
2: Students understand the importance of cost of capital.
3: Students understand and learn to find BEP.
4: Understanding and application of various capital budgeting methods.
5: Students learn how to optimise return and risk by adjusting capital structure.

BUSINESS ECONOMICS II

Course Objectives

1. To understand the concepts & methods of collecting National Income.
2. To know different phases of trade cycles & effective demand.
3. To understand concept of consumption & Investment, Multiplier.
4. To know the concept of money supply & money demand.
5. To understand the concept of public goods, Revenue, Debt & Expenditure.
6. To understand international trade, FDI, BOP & foreign Exchange rate.

Course Outcome:
1: The learners will be able to know the concepts of National Income.
2: The learners will be able to learn the relevance & mechanics of trade cycles.
3: The learners will be able to know how RBI controls money in the economy.
4: The learners will be able to analyze the source of public revenue & expenditure and relevance of FRBM act.
5: The learners will be able to understand international trade & its impact on BOP. The learners will be able to know the details of foreign exchange market.

Bachelor of Arts in Multimedia & Mass communication (B.A.M.M.C)

INTRODUCTION TO MEDIA STUDIES

Course Objectives:

1. To provide an understanding of media theories

2. To understand the relationship of media with culture and society

3. To understand Media Studies in the context of trends in Global Media

Course Outcomes: -

CO1: - Students will acquire theoretical & practical knowledge of Mass media theories/theorists

CO 2: - They will understand better the different perspectives to mass media

CO 3: - Students will possess in-depth knowledge of media in the global context

CO 4: - Learners will comprehend the art of using body language, voice and expressions.

CORPORATE COMMUNICATIONS & PUBLIC RELATIONS

COURSE OBJECTIVES: -

1.To develop understanding of public relations

2. To introduced to the concept of corporate communication

3. To understand functions of PR and corporate communication

4. To comprehend the latest Trends, Tools and Technology in corporate communication.

Course Outcome: -

CO1: - Students will develop understanding of public relations

CO 2: - They will be introduced to the concept of corporate communication

CO 3: - Students will understand functions of PR and corporate communication

CO 4: - Learners will comprehend the latest Trends, Tools and Technology in corporate communication

INTRODUCTION TO PHOTOGRAPHY

COURSE OBJECTIVES: -

1. To make students understand the working of a professional camera
2. To help the learner understand that media photography is a language of visual communication and is far beyond just point and shoot fun moments.
3. To develop the base of visualization among learners in using pictures in practical projects.
4. To help kids work on given theme or the subject into making a relevant picture.

Course Outcome: -

CO1: - Students will understand camera in a professional manner

CO2: - Students will acquire practical & professional approach towards the world of visuals

CO3: - They will develop observation skills that will make them recognize the advertising & journalism scenario as well

CO4: - Students will develop visual skills as visual indicator in communication.

THEATRE & MASSCOMMUNICATION I

COURSE OBJECTIVES: -

1. To develop an interest among the students in order to enhance their acting skills.
2. To make them aware regarding all the forms of theatre.
3. To shape young students' minds through expression of their perception, creating awareness of their role and place in society, their responsibilities and possibilities.
4. To comprehend the student's art of human behavior & human psychology.

Course Outcome: -

CO1: - Students will acquire theoretical & practical knowledge of theatre arts.

CO 2: - They will be introduced to all forms of theatre.

CO 3: - Students will possess observational skills for developing different characters.

CO 4: - Learners will comprehend the art of using body language, voice and expressions.

FILM COMMUNICATION I

COURSE OBJECTIVES: -

1. To inculcate liking and understanding of good cinema.
2. To make students aware with a brief history of movies; the major cinema movements.
3. To make learners understand the power of visuals and sound and the ability to make use of them in effective communication.
4. To deliver insight into film techniques and aesthetics.

COURSE OUTCOMES: -

1. Liking and understanding will be developed among students.

2. Students will be made aware about the history of Indian cinema & cinema movements.

3. Students will acquire knowledge about power of visuals & sound and its usage for effective communication.

4. Insight into film techniques and aesthetics.

COMPUTERS AND MULTIMEDIA

COURSE OBJECTIVES: -

1. To help learners make media industry ready. This will help learners to be aware of the minimum requirement of the software when stepping out in the industry.
2. To introduce the media software to make the learners understand what goes behind the scene and help them choose their stream.
3. To prepare learners to be skilled enough for independent projects during papers in TY sem VI.
4. To help learners work on small scale projects during the academic period.

WRITING AND EDITING FOR MEDIA

Course Objectives: -

1. Provide the ability to understand writing styles that fit various media platforms.
2. It would help the learner acquire information gathering skills and techniques.
3. On completion of this course, students will be able to understand similarities and differences in writing for all forms of media including internet and digital.

Course Outcome:

1. The learner will gather knowledge of different news and copy formats along with appropriate style-sheets and layout.

2. The learner will imbibe the importance of writing clearly, precisely and accurately for different types of audiences.

3. Provide acquire basic proficiency in proof-reading and editing.

MASS MEDIA RESEARCH

COURSE OBJECTIVES: -

1. To introduce students to debates in Research approaches and equip them with tools to carry on Research.
2. To understand the scope and techniques of media research, their utility and limitations.

Course Outcome: -

1. Students will understand research in Mass Media

2. Students will acquire in-depth knowledge of research design and semiotics

3. They will gain understanding of scope and techniques of media research, their utility and Limitations.

MEDIA LAWS AND ETHICS

COURSE OBJECTIVES: -

1. To provide the learners with an understanding of laws those impact the media.
2. To sensitize them towards social and ethical responsibility of media.

Course Outcome: -

1. Students will understand Constitutional values

2. Students will acquire understanding of roles of regulatory bodies

3. Students will acquire understanding of various media laws and their application

4. Students will develop understanding of ethics in media.

THEATRE AND MASSCOMMUNICATION II

COURSE OBJECTIVES: -

1. To understand the role theatre plays as a medium of mass communication in development of Society.
2. To develop art of visualization as a writer & director in students
3. To acknowledge learners about the process of creating a play
4. To educate students regarding the technical aspects of theatre and mass communication.

Course Outcome:

1. Students will acquire skills of playwriting and directing

2. They will develop an understanding regarding analyzing different scripts.

3. Students will be aware of the marketing and management strategies of the plays

4. Students will be in tune to develop a holistic approach towards theatre & mass communication & will apply it in various fields of communication.

FILM COMMUNICATION II

COURSE OBJECTIVES: -

1. To Create awareness of cinema of different regions.
2. To understand the contribution of cinema in society.
3. How to make technically and grammatically good films.
4. To develop knowledge making to marketing of films.
5. To analyze Economic aspects of film. Careers in films.

Course Outcomes: -

1. Create awareness of cinema of different regions.
2. Understand the contribution of cinema in society.
3. How to make technically and grammatically good films.
4. Develop knowledge making to marketing of films.
5. Analyze Economic aspects of film.

AGENCY MANAGEMENT

COURSE OBJECTIVES: -

1. To acquaint the students with concepts, techniques and give experience in the application of concepts for developing an effective advertising campaign.

2. How an ad agency works and what opportunities exist

3. To familiarize students with the different aspects of running an ad agency

4. To inculcate competencies thereby enabling to undertake professional work with advertising industry.

Course Outcome:

1. The students will understand concepts, techniques and give experience in the application of concepts for developing an effective advertising campaign.

2. Students will understand how an ad agency works and what opportunities exist

3. Students will be familiarized with the different aspects of running an ad agency

4. This will inculcate competencies thereby enabling to undertake professional work with advertising industry.

Bachelor of Management Studies (BMS)

Business Planning & Entrepreneurial Management

COURSE OBJECTIVE
1. To create an understanding of concept entrepreneurship and various theory of motivation
2. To give overview of various types of entrepreneurs
3. To equip the learner with the knowledge about development of entrepreneurial project.
4. To prepare the learner with the knowledge of business plan preparation
5. To introduce the concept of venture capital.

COURSE OUTCOME:
1. The learner will have a theoretical understanding on various motivational theories.
2. The learner will be aware of different kinds of entrepreneurs.
3. The learner will be understand and get knowledge about entrepreneurship project development and business plan.
4. The learner will be aware about venture capital.

Accounting for Managerial Decision

COURSE OBJECTIVE
1. To create a basic understanding of management accounting.
2. To acquaint management learners in preparing and analyzing financial statement.
3. To equip the learner with the knowledge of various ratios used to analyses the financial statement.
4. To make the learners to understand the concept of working capital.
5. To help learners to understand the concept of capital budgeting.

COURSE OUTCOME:
1. The learners will have basic understanding of role of management accounting in decision making.
2. The learner will gain in depth knowledge about various tools in analyzing financial statements.
3. The leaner will have better understanding in analyzing the financial ratios and perform interpretation to take investment decision.
4. Learners will be able to estimate working capital requirement of the company.
5. The learner will be aware of various techniques of capital budgeting.

STRATEGIC MANAGEMENT

COURSE OBJECTIVE
1. The objective of this course is to learn the management policies and strategies at every level to develop conceptual skills in this area as well as their application in the corporate world.

2. The focus is to critically examine the management of the entire enterprise from the Top Management view points.
3. This course deals with corporate level Policy & Strategy formulation areas. This course aims to developing conceptual skills in this area as well as their application in the corporate world.

COURSE OUTCOME:

1. Knowledge about the basic elements of Strategy
2. Knowledge of functions of Strategy
3. Recent trends in Strategic Management
4. Implementation of strategy.

MARKETING ELECTIVE - CONSUMER BEHAVIOUR

COURSE OBJECTIVE

1. To develop an understanding about the consumer decision making process and its applications in marketing function of firms.
2. To equip students with basic knowledge about issues and dimensions of Consumer Behaviour.
3. To expected to develop the skill of understanding and analysing consumer information and using it to create consumer- oriented marketing strategies.

COURSE OUTCOME

1. The learner will have a theoretical and application-oriented understanding of consumer behaviour.
2. The learner will understand the psychological and physiological aspects of consumer behaviour that influence consumer decision making.

MARKETING ELECTIVE – ADVERTISING

COURSE OBJECTIVE

1. To understand and examine the growing importance of advertising.
2. To understand the construction of an effective advertisement.
3. To understand the role of advertising in contemporary scenario.
4. To understand the future and career in advertising.

COURSE OUTCOME

1. The learner will have a theoretical and application oriented understanding of Advertising.
2. The learner will understand creativity and different elements of advertising
3. The learner will understand current trends in advertising.

FINANCE ELECTIVE - INTRODUCTION TO COSTING

COURSE OBJECTIVE

1. The primary objective of the course is to familiarize the students with the basic cost concepts
2. To acquaint management learners in preparing process accounting.
3. To equip the learner with the knowledge of various elements of cost.
4. To train learners in preparing cost sheet and reconciling cost profit with financial profit.
5. To provide the learner with basic understanding of emerging trends in cost accounting.

COURSE OUTCOME

1. The learners will have basic understanding of role of cost accounting in decision making.
2. The learner will gain in depth knowledge about accounting in will done on each processes.
3. The leaner will have better understanding about material, labour and overhead costing.
4. Learners will be able to prepare cost sheet and reconcile cost with financial profit.
5. The learner will be aware of emerging trends in cost accounting.

FINANCE ELECTIVE – CORPORATE FINANCE

COURSE OBJECTIVE

1. To familiarize the learners with the principles, techniques and concept of financial management.
2. To develop better understanding and analytical abilities of financial management.
3. To apply the financial management knowledge and skills in decision making process in Corporations.

COURSE OUTCOME:

1.Learn the important concept of Capitalization

2.Understand the source of capital for business and their cost.

3.Explain how to calculate time value of money

4.Explain the concepts to help in decision making

5. Know the short term source of finance

HUMAN RESOURCE ELECTIVE - RECRUITMENT AND SELECTION

COURSE OBJECTIVE

1. To familiarize the students with concepts and principles, procedure of Recruitment and Selection in an organization.

2. To give an in-depth insight into various aspects of Human Resource management and make them acquainted with practical aspect of the subject.

COURSE OUTCOME:

1. The students are acquainted with the core concepts of recruitment and selection, induction and soft skills.
2. Under this subject, the students practically experience interviews and selection process along with an insight of the human resource management
3. The subject also throws a perspective of how students can groom themselves in relation to interview preparation, preparation of CV and other related aspects.

HUMAN RESOURCE ELECTIVE - MOTIVATION AND LEADERSHIP

COURSE OBJECTIVE

1. To gain knowledge of the leadership strategies for motivating people and changing organizations.
2. To study how leaders facilitate group development and problem solving and work through problems and issues as well as transcend differences.

3. To acquaint the students about practical approaches to Motivation and Leadership & its Application in the Indian context.

COURSE OUTCOME:

1. The course give the knowledge about different theories of motivation

2. The course will enhance the student to know intrinsic and extrinsic motivation in theory and practice.

3. The students develop the awareness of emerging trends in Eastern and Western culture.

4. The students can learn different leadership styles from world class leaders.

BUSINESS ECONOMICS II

Course Objectives

1. **To understand the concepts & methods of collecting National Income.**
2. **To know different phases of trade cycles & effective demand.**
3. **To understand concept of consumption & Investment, Multiplier.**
4. **To know the concept of money supply & money demand.**
5. **To understand the concept of public goods, Revenue, Debt & Expenditure.**
6. **To understand international trade, FDI, BOP & foreign Exchange rate.**

Course Outcome

1: The learners will be able to know the concepts of National Income.

2: The learners will be able to learn the relevance & mechanics of trade cycles.

3: The learners will be able to know how RBI controls money in the economy.

4: The learners will be able to analyse the source of public revenue & expenditure and Relevance of FRBM act.

5: The learners will be able to understand international trade & its impact on BOP.

6: The learners will be able to know the details of foreign exchange market.

BUSINESS RESEARCH METHODOLOGY

COURSE OBJECTIVE

1. To create an understanding of Research among learners
2. To encourage analytical abilities and Research skills in learners
3. To acquaint the learner with the Research Process
4. To develop research paper writing skills in the learner.

COURSE OUTCOME

1. The course is designed to inculcate the analytical abilities and research skills among

    the students
2. The course intends to give hands on experience and learning in Business Research.
3. The students of this course will be active learners & develop awareness of emerging trends in different research techniques
4. The course will strengthen decision taking skills of the students based on the research observations and conclusions.

Production and Total Quality Management

COURSE OBJECTIVE

1. To create an understanding of Production Management and Manufacturing Systems and concepts related to Production
2. To equip the learner with the knowledge of basics of Materials management and Inventory management
3. To give overview of concepts of Productivity and Total Quality Management
4. To introduce Quality Improvement Strategies and certifications

COURSE OUTCOME

1. The learner will have a theoretical and application oriented understanding of

    Production Management and Manufacturing Systems
2. The learner will be equipped with the basics of Materials management and Inventory management
3. The learner will know various contribution given Quality gurus and their applications in Business
4. The learner will be introduced to various Quality Improvement Strategies and Certification.

BUSINESS PROCESS RE-ENGINEERING & TURNAROUND MANAGEMENT

COURSE OBJECTIVE

1. To introduce the learner to the concepts of business process reengineering and turnaround management

2. To make the learners aware about survival and growth strategies for sick businesses

3. To equip learners with basic and necessary information about businesses that underwent BPR and Turnaround Management and their outcome.

COURSE OUTCOME

1. The learner will have basic knowledge of sick businesses

2. The learner will be equipped with necessary understanding of Business Process Reengineering and Turnaround Management strategies.

3. The learner will have clear understanding of managerial roles and decision making needed for Turnaround management.

FOUNDATION COURSE (ETHICS & GOVERNANCE)

COURSE OBJECTIVE

1. To highlight the importance of Ethical Commitment in the conduct of Business.
2. To develop an insight about ethical theories and its application in business and significance of Corporate Social Responsibility.
3. To help the students increase their awareness about the statutory and legal compliances involved in Corporate Governance.
4. To describe the role of corporate social responsibility practices in maintaining Transparency in Business Transactions.

COURSE OUTCOME

1. Learners will be able to Define and Describe Ethical Practices in Businesses with special reference to Ethical Performance in Businesses in India

2. Learners will be able to Explain and Apply the knowledge base of ethics in the three functional areas of Finance, Marketing and Human Resource Management.

3. Learners will be able to Summarize the various theories and models of Corporate Governance and Discuss the importance of Good Governance in an Organization.

4. Learners will be able to able the concept of corporate social responsibility and how it is important in current competitive world.

MARKETING ELECTIVE - INTEGRATED MARKETING COMMUNICATION

COURSE OBJECTIVE

1. To create an understanding of IMC among learners
2. Know how IMC fits into the marketing mix
3. To equip the learner with the knowledge about the nature, purpose and complex construction in the planning and execution of an effective Integrated Marketing Communication program.
4. To understand the various tools of IMC and the importance of co-ordinating them for an effective marketing communication program.

COURSE OUTCOME

1. The learner will examine the promotional mix including advertising, publicity, personal selling and sales promotion from an integrative perspective

2. The learner will be equipped with the basic elements and concepts of IMC

3. The learner will be understand and get knowledge of Ethics in Marketing Communication

4. The learner will be introduced to Current trends in IMC.

MARKETING ELECTIVE - EVENT MARKETING

COURSE OBJECTIVE

1. To understand basic concepts of Event Marketing.
2. To impart knowledge to learners about categories of Events.
3. To understand segmenting, targeting and positioning in the context of Event Marketing.
4. To familiarize learners with trends and challenges in Event Marketing.

COURSE OUTCOME

1. The learner will have a theoretical and application-oriented understanding of Events.
2. The learner will be equipped with the basic elements and concepts of Event Marketing.
3. The learner will be understand and get knowledge of Pricing, Planning & Execution of Events.
4. The learner will be introduced to Global level Event planning.

FINANCE ELECTIVE - FINANCIAL INSTITUTIONS AND MARKET

COURSE OBJECTIVE

1. To create an understanding of Financial System among learners
2. To equip the learner with the knowledge of basic elements and concepts of Financial Institutions, Regulators and Markets
3. To give overview of various sub markets of Indian Financial Market
4. To introduce various Global level financial systems to the learner

COURSE OUTCOME

1. The learner will have a theoretical and application oriented understanding of Financial System
2. The learner will be equipped with the basic elements and concepts of Financial' Institutions, Regulators and Markets
3. The learner will be understand and get knowledge of Money Market, Capital Market, Commodities & Derivatives Market, Mutual Funds, Insurance and Debt Market.
4. The learner will be introduced to Global level financial system design.

FINANCE ELECTIVE - PRINCIPLES AND PRACTICES OF AUDITING

COURSE OBJECTIVE

1. To create a basic understanding of auditing and its types
2. To equip the learner with the knowledge of various audit evidences like audit plan, program, note work and working papers.
3. To acquaint management learners on various auditing techniques.
4. To make the learners to understand the manner in which verification and valuation of various items of financial statement are done in order to give true & fair opinion on the same.

COURSE OUTCOME

1. The learners will have basic understanding on various types, duties and responsibility of an auditor.

2. The learner will gain in depth knowledge on planning, procedures and documentation involved in auditing process.
3. The leaner will have better understanding on various techniques involved in auditing of different organisation.
4. The learner will be aware of recent trends in auditing.

HUMAN RESOURCE MANAGEEMNT ELECTIVE TRAINING AND DEVELOPMENT

COURSE OBJECTIVE

1. This paper is not pure academic oriented but practice based. It has been designed, keeping in view the needs of the organizations. The subject tries to make the students aware about various concepts related to training and development.
2. Rapid progress in technology has changed not only in the physical facilities but also in the abstract qualities required of the men who are using them.

COURSE OUTCOME

1. This paper will orient the students to understand the importance through implementing of an Effective training program suitable according to requirement.
2. The subject aims to discuss various training and development models that the students can apply In real life scenario.
3. This paper will attempt to orient the students to tailor themselves to meet the specific needs of the organizations in training and development activities.

HUMAN RESOURCE MANAGEMENT ELECTIVE CHANGE MANAGEMENT

COURSE OBJECTIVE

1. To prepare students as organizational change Facilitators using the knowledge and techniques of behavioral science.
2. To develop awareness of emerging trends to support management by team building.

COURSE OUTCOME:

1. Enhancing the knowledge of organization change, and different forces of change. Resistance to change, building support for change, methods to implement the change
2. Students can get the knowledge of resistance to change by individual and employees, building support for change, methods to implement to change
3. The students develop the awareness of emerging trends to support management by team building.
4. The students can learn effective implementation of change.

B.Sc. Computer Science (CS)

Software Engineering

Course Objectives:

1. To introduce the various processes that should be included in any software development project to create high quality, on-time, on-budget software.

2. To learn how each phase of the life cycle contributes to a liable, maintainable product that satisfies user/client requirements.

3. To introduce to the Learners about the product that is to be engineered and the process that provides a framework for the engineering technology.

4. To provide knowledge of software engineering discipline.
5. To analyze risk in software design and quality.

Course Outcomes:
After successful completion of the course, the learner will be able to:

1. Demonstrate basic knowledge in software engineering.

2. Plan, design, develop and validate the software project.

3. Understand the impact of sound engineering principles.

4. Interpret project management and risk management process.

Java

Course Objectives:

1. Gain knowledge about basic Java language syntax and semantics to write Java programs and use concepts such as variables, conditional and iterative execution methods.

2. Understand the fundamentals of object-oriented programming in Java, including defining classes, objects, invoking methods.

3. To enable the use of different exception handling mechanisms.

4. Understand the principles of inheritance, packages and interfaces.

5. To make learners aware about the Streams and File I/O classes in java.

6. To develop the student's ability to design simple GUI applications using different SWING components.

Course Outcomes:
After successful completion of the course, the learner will be able to:

1. Implement Object oriented programming concepts using Java.

2. Use knowledge of input, its processing and getting suitable output.

3. Understand, design, implement and evaluate classes.

4. Use and create packages and interfaces in a Java program.

5. Use graphical user interface in Java programs.

Java – Practical

Course Objectives:

1. Practical implementation of object-oriented programming in Java, including defining classes, objects, invoking methods.

2. To enable the use of different exception handling mechanisms.

3. Implementation of the principles of inheritance, packages and interfaces.

4. To make learners aware about the Streams and File I/O classes in java.

5. To develop the student's ability to design simple GUI applications using different SWING components.

Course Outcomes: After successful completion of the course, the learner will be able to:

1. Implement Object oriented programming concepts using Java.

2. Use knowledge of input, its processing and getting suitable output.

3. Understand, design, implement and evaluate classes.

4. Use and create packages and interfaces in a Java program.

5. Use graphical user interface in Java programs.

Operating System & Linux

Course Objectives:

1. The objective of this course is to make learners understand proper working of operating systems.

2. To provide a sound understanding of the Computer operating system, its structures, functioning and algorithms.

3. To learn basic concepts of Linux in terms of operating system.

4. To learn use of various shell commands with regular expressions.

5. To set Linux Environment variables and learn setting file permissions to maintain Linux security implementation.

6. To learn shell scripting.

Course Outcomes: After successful completion of the course, the learner will be able to:

1. Understand the concept of the operating system, its structures and functioning.

2. Understand algorithms used by operating systems for various purposes.

3. Work with Linux file system structure, Linux Environment.

4. Handle shell commands for scripting, with features of regular expressions, redirections.

5. Implement file security permissions.

6. Work with vi, sed and awk editors for shell scripting using various control structures.

Operating System & Linux – Practical

Course Objectives:

1. Experiment to learn Linux Commands working with files and directories.

2. Experiment to learn different editors.

3. Writing programs to create and execute shell scripts.

4. Writing programs to learn and understand various Windows & Linux Desktop and utilities.

Course Outcomes:
After successful completion of the course, the learner will be able to:

1. Apply Linux file system structure, Linux Environment.

2. Implement shell commands for script with the help of regular expressions.

3. Implement file security permissions.

Data Structure

Course Objectives:

1. To learn what data and information is and how they are structured in memory.

2. To learn different data storage and retrieving techniques from memory.

3. To learn about different types of data.

4. To learn how to sort the data stored in memory.

Course Outcomes:
After successful completion of the course, the learner will be able to:-

1. Choose appropriate data structures and algorithms to solve a problem.

2. Compare different algorithms and data structures based on efficiency using algorithm analysis techniques.

3. Implement solutions with appropriate use of recursive functions.

4. Implement common searching and sorting algorithms.

5. Implement and use basic data structures, including stacks, queues, priority queues & trees.
6. Implement and use other commonly used data structures such as maps and hash tables.

Data Structures Practical

Course Objectives:

1. To make learners able to implement the data structures algorithm using 'C/C++/Python'.

2. To learn how to implement linked list, stack, Queue.

3. To learn how to implement tree and graph algorithms.

Course Outcomes:
After successful completion of the course, the learner will be able to:-

1. Implement the data structures algorithm using 'C++/C/Python'.

2. Implement and use basic data structures, including stacks, queues, priority queues, and trees.

3. Implement and use other commonly used data structures such as maps and hash tables.

4. Implement common searching and sorting algorithms.

5. Implement Adjacency matrix and able to write a program for shortest path diagram.

Linear Algebra

Course Objectives:

1. To offer the learner the relevant Linear Algebra concepts through Computer Science applications.

2. To analyze the solution set of a system of linear equations.

3. To interpret existence and analyze the solution set geometrically.

4. To formulate, solve, apply, and interpret properties of linear systems.

5. To learn about the concept of linear independence of vectors over a field, and the dimension of a vector space.

6. To interpret basic concepts of linear transformations, dimension, matrix representation of a linear transformation, and the change of coordinate matrix.

Course Outcomes:
After successful completion of the course, the learner will be able to:

1. Appreciate the relevance and applications of Linear Algebra in the field of Computer Science.

2. Understand the concepts through program implementation.

3. Instil a computational thinking while learning linear algebra.

4. Learner expresses clear understanding of the concept of a solution to a system of equations.
5. Find eigen values and corresponding eigenvectors for a square matrix.

Linear Algebra – Practical

Course Objectives:

1. To promote the development of problem solving and basic programming skills.

2. To obtain the necessary knowledge to solve numerical problems manually and through any CAS tool.

3. To optimize the solution for different real life problems.

Course Outcomes: After successful completion of the course, the learner will be able to:

1. Formulate algorithms and programs as well as understand how to use software.

2. Understand the main features of CAS program development environment to enable their usage in the higher learning.

3. Acquire the knowledge of solving system of linear equations using CAS.

4. Appreciate real world applications which use the learned concepts.

5. Acquainted with the knowledge of solution of various techniques manually as well as any CAS Tool..

Physical Computing & IoT Programming

Course Objectives:

1. To learn about SOC architectures.

2. To learn to program Raspberry Pi.

3. To learn to implement internet of Things and Protocols.

4. To discover the interconnection and integration of the physical world.
5. To get knowledge of the architecture of Iot.

Course Outcomes:
After successful completion of the course, the learner will be able to:

1. Understand basis of implementation of IoT concept using physical device.

2. Introduction and preparing Raspberry Pi with hardware and installation.

3. Learn physical interfaces and electronics of Raspberry Pi and program them using practical's.

4. Understand architectural model using advanced web server.

Physical Computing & IoT Programming – Practical

Course Objectives:

1. To learn about hardware preparation using Raspberry Pi.

2. To learn to program Raspberry Pi.

3. To learn to implement internet of Things using python.

4. To learn the interconnection and integration of the physical devices.

5. To get complete knowledge about architectural working of internet of Things.

Course Outcomes:
After successful completion of the course, the learner will be able to:

1. Understand complete hardware preparation for Raspberry Pi.

2. Learn setup for Mosquitto server using Python.

3. Learn physical interfaces and electronics of Raspberry Pi and program them using Python.

4. Learn interface with Accelerometer and understand sensor values.

Web Programming

Course Objectives:

1. To learn the basics of JavaScript and its Objects for making web pages.
2. To understand the use of JSON and XML for transferring data.
3. To understand the use of AJAX technique for creating fast and dynamic web pages.
4. To use server-side scripting with PHP to generate the web pages dynamically using the database connectivity.

Course Outcomes: After successful completion of the course, the learner will be able to:

1. To use JavaScript to add dynamic content to pages that meet specific needs and interests.
2. To understand how to work with data stored in JSON and XML.
3. To use AJAX techniques in developing web pages.
4. To understand the various techniques of web development and will be able to design and develop a dynamic website.

Web Programming – practical

Course Objectives:

1. To design and implement dynamic web pages with validation using JavaScript objects and by applying different event handling mechanisms.
2. To learn how to use and implement design templates in Bootstrap.
3. To understand data transfer using JSON and XML.
4. To use and implement AJAX technique for creating fast and dynamic web pages.
5. To use server-side scripting with PHP to generate the web pages dynamically using the database connectivity.

Theory of Computation

Course Objectives:

1. To provide the comprehensive insight into theory of computation by understanding grammar, languages, and other elements of modern language design.
2. To develop capabilities to design and develop formulations for computing models.
3. To identify applications computing models in diverse areas.

Course Outcomes: After successful completion of this course, the learner will be able to:

1. Understand Grammar and Languages.
2. Understand about Automata theory and its application in Language Design.

3. Understand about Turing Machines and Pushdown Automata.

4. Understand Linear Bound Automata and its applications.

Advanced Java

Course Objectives:

1. To understand the technique of database connectivity through Java.

2. To explore and understand use of Java Server Programming.

3. To develop an understanding of different frameworks like Struts2 and Hibernate.

Course Outcomes: After successful completion of the course, the learner will be able to:

1. Access database through Java programs, using Java Data Base Connectivity.

2. Design dynamic web pages, using Servlets and JSP.

3. Use Struts frameworks, this gives the opportunity to reuse the codes for quick development.

4. Map Java classes and object associations to relational database tables with Hibernate mapping files.

Advanced Java – Practical

Course Objectives:

1. To understand the technique of database connectivity through Java.

2. To Design dynamic web pages, using Servlets and JSP.

3. To explore and understand use of Java Server Programming.

4. To develop an understanding of different frameworks like Struts2 and Hibernate.

Course Outcomes: After successful completion of the course, the learner will be able to:

1. Access database through Java programs, using Java Data Base Connectivity.

2. Design dynamic web pages, using Servlets and JSP.

3. Use Struts frameworks, this gives the opportunity to reuse the codes for quick development.

4. Map Java classes and object associations to relational database tables with Hibernate mapping files.

Computer Networks

Course Objectives:

1. To understand basic network models and different transmission used for data communication.

2. To develop an understanding of different components of computer networks, various protocols, modern technologies and their applications.

3. To understand the role of digital signal and analog signal in data transmission.

4. To develop an understanding of different components of computer networks, various networking layers and their applications.

Course Outcomes:

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

1. Conceptualize and understand the framework and working of communication networks.

2. Implement a simple LAN with hubs, bridges and switches.

3. Describe how signals are used to transfer data between nodes.

4. Recognize the data link design issues and various data link protocols used for data transmission.

Computer Networks – Practical

Course Objectives:

1. To understand different types of topologies in network.

2. To understand the role of IP addresses and network addresses in network.

3. To understand various protocols used in data transmission and analyzing a network.

4. To sniff the network and understand the behavior of protocols in real time.

Course Outcomes:

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

1. Set IP address to client machine using DHCP, RIP & OSPF.

2. Analyze the network using networking commands.

3. Create and configure wireless network.

4. Know how packets traverse in the network by sniffing packet information.

Software Testing & Quality Assurance

Course Objectives:

1. To provide learner with knowledge in Software Testing techniques.

2. To understand how testing methods can be used as an effective tools in providing quality assurance concerning for software.

3. To provide skills to design test case plan for testing software.

Course Outcomes: After successful completion of the course, the learner will be able to:

1. Understand various software testing methods and strategies.
2. Understand a variety of software metrics, and identify defects and managing those defects for improvement in quality for given software.
3. Learn to Design the test cases.
4. Learning the testing framework and understand the role of tester.

Software Testing & Quality Assurance – Practical

Course Objectives:

1. To understand the concept of testing using various tools.
2. To learn to test Websites.
3. To learn to perform Load Testing.

Course Outcomes:
After successful completion of the course, the learner will be able to:

1. Develop test cases for performing testing.
2. Test various websites.
3. Perform Load Testing.

Numerical Methods

Course Objectives:

1. To know about various types of Errors, Calculate the error correction and get actual root of the equation.
2. To introduce basic concepts of solving algebraic, transcendental and linear equations.
3. To introduce the student with understanding of the numerical techniques of interpolation and numerical differentiation.
4. To acquaint the knowledge of various numerical integration techniques and methods of solving ordinary differential equations.

Course Outcomes:
After successful completion of the course, the learner will be able to:

1. Familiar with calculation and interpretation of errors in numerical method.
2. Apply numerical methods to find solution of algebraic equations using different methods under different conditions, and numerical solution of system of algebraic equations.
3. Apply various interpolation methods and finite difference concepts and work out numerical differentiation wherever routine methods are not applicable.

4. Apply various numerical integration techniques and methods of solving ordinary differential equations.

Numerical Methods – Practical

Course Objectives:

1. To promote the development of problem solving and basic programming skills in Scilab/SageMath.

2. To obtain the necessary knowledge to solve numerical problems manually and through Scilab/SageMath.

3. To acquaint the knowledge of solution of various interpolation techniques manually and using Scilab/SageMath.

4. To familiarize the knowledge of solution of differential equations and also using Scilab/SageMath.

5. To optimize the solution for different reallife problems with available constraint manually and using Scilab/SageMath.

Course Outcomes:
After successful completion of the course, the learner will be able to:

1. Understand the main features of the Scilab/SageMath program development environment to enable their usage in the higher learning.

2. Analyze the behavior of the numerical methods and in particular to be able to discuss their stability, their order of convergence and their conditions of application.

3. Formulate algorithms and programming and know how to use the software.

4. Acquire the knowledge of solving numerical differentiation and interaction using Scilab/ SageMath.

NET Technologies

Course Objectives

1. To explore .NET technologies for designing and developing dynamic, interactive, and responsive web applications.

2. To provide C# basics.

3. To create website using ASP.NET controls.

4. To give understanding of working with ADO.NET.

Course Outcomes
After successful completion of the course, the learner will be able to:

1. Understand the concept of .NET Framework, its structures and functioning.

2. Develop a proficiency in the C# programming language.

3. Develop ASP.NET web applications using C#.

4. Use ADO.NET for data persistence in a web application.

NET Technologies – Practical

Course Objectives

1. To learn how to design and develop C# program.

2. To introduce rich controls.

3. To learn how AJAX and XML can be applied in C# and .NET.

Course Outcomes
After successful completion of the course, the learner will be able to:

1. Write basic C# and .NET Program.

2. Solve simple problems using the fundamental syntax and semantics of the C# programming language.

3. Implement different controls in .NET using C#.
4. Design a simple interactive website.

Mobile Programming

Course Objectives

1. To introduce basic understanding of Kotlin Language.

2. To provide the comprehensive insight into developing applications running on smart mobile devices and demonstrate programming skills for managing task on mobile using Android Development.

3. To introduce basics of Flutter technology which supports Cross-Platform development.

Course Outcomes
After successful completion of the course, the learner will be able to:

1. Understand the requirements of Mobile programming environment.

2. Learn about basic methods, tools and techniques for developing Apps.

3. Explore and practice App development on Android Platform.

4. Develop working prototypes of working systems for various uses in daily lives.

Mobile Programming-Practical

Course Objectives

1. To learn Android application development skills using Kotlin language.

2. To implement database connectivity for mobile applications.

3. To understand the concept of cross platform mobile application development using Flutter.

Course Outcomes:

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

1. Develop Android Mobile Apps using Kotlin language.

2. Create Android Mobile Apps with Database.

3. Develop Mobile Apps for different platforms using Flutter.

B.Sc. Information Technology (IT)

Operating Systems

Course Objectives

1. Students will learn how Operating System is Important for Computer System.
2. To make aware of different types of Operating System and their services.
3. To learn different process scheduling algorithms and synchronization techniques to achieve better performance of a computer system.
4. To know virtual memory concepts.
5. To learn secondary memory management.
6. Understand fundamental operating system abstractions such as processes, threads, files, semaphores, IPC abstractions, shared memory regions, etc.
7. Analyze important algorithms e.g. Process scheduling and memory management algorithms.
8. Categorize the operating system's resource management techniques, dead lock management techniques, memory management techniques.
9. Demonstrate the ability to perform OS tasks in Red Hat Linux Enterprise.
10. Define and list the functions of an operating system.
11. List resources involved in process creation and management.
12. Explain the use of paging and segmentation
13. Explain the function and structure of the I/O system
14. Describe path names and directory structure visible to end users.

Course Outcome

After completion of the course students are supposed to be able to:

1. Understands the different services provided by Operating System at different level.
2. They learn real life applications of Operating System in every field.
3. Understands the use of different process scheduling algorithm and synchronization techniques to avoid deadlock.
4. They will learn different memory management techniques like paging, segmentation and demand paging etc.
5. Differentiate between multiprocessing, multiprogramming, and multitasking.
6. Differentiate between programs, processes and threads.
7. Apply segmentation and paging techniques.
8. Compare file naming in Linux and Windows.
9. Awareness of Android Operating System.
10. Understand and learn Cloud and IoT Operating Systems.

Applied Mathematics

Course Objectives
1. To perform matrix operations. Solve the matrix equation using elementary matrix operations. To use systems of linear equations and matrix equations to determine linear dependency or independency.To find the Eigen values and corresponding eigenvectors for a linear transformation.
2. To introduce the students with understanding of complex number and its different forms.

3. To introduce the students about the method of solving differential equations.
4. To introduce the concepts of Laplace transforms, Inverse Laplace transforms, solution of ordinary differential equations using Laplace transform.
5. The Students will learn to evaluate multiple integrals and their applications.
   To acquaint the knowledge of definitions, properties of Beta and Gamma function, Differentiation under integral sign and error function.

Course Outcome

1. solve the matrix operations, identify the linear dependence and independence of a vectors.
2. Familiar with the various forms and operations of a complex number.
3. Find the Laplace transform of a function and Inverse Laplace transform of a function using definition also solve ordinary differential equations using Laplace transform.
4. evaluate the multiple integrals in Cartesian, Polar coordinates, change the order of the integral.
5. Apply integration methods to calculate the areas and volumes of solids.
6. evaluate the Beta, Gamma, Differentiation Under integral sign and error functions.

Computer Networks

Course Objectives

1. To develop an understanding of computer networking basics.
2. To develop an understanding of different components of computer networks, various protocols, modern technologies and their applications.
3. Understand the structure and organization of computer networks including the division into network layers, role of each layer, and relationships between the layers.
4. Have a basic knowledge of the use of cryptography and network security.
5. Present an overview of an SDN architecture, to include explaining the significance of northbound and southbound APIs.

Course Outcome

1. Recognize the technological trends of computer networking.
2. Discuss the key technological components of the network and evaluate the challenges in building networks and solutions to those.
3. Understand fundamental concepts in routing, addressing & working of transport protocols.
4. Gain familiarity with common networking & application protocols.
5. Summarize the work being done on SDN and NFV standardization by various organizations.

Python Programming

Course Objectives

1. To learn how to design and develop programs on Python.
2. To learn how to use lists, tuples, and dictionaries in Python programs.
3. To learn how to design object-oriented programs with Python classes.
4. To define the structure and components of a Python program.
5. To gain a thorough understanding of developing GUI based application using PYQT.

Course Outcome:

After completion of Course the students will be able to

1. Implement object oriented concepts using Python.
2. Define and demonstrate the use of built-in data structures "lists" and "dictionary".
3. Design and implement a program to solve a real world problem.
4. Design and implement GUI application and how to handle exceptions and files.
5. Make database connectivity in python programming language.

Python Programming Practical

Course Objectives

1. The course is aimed to give students a thorough understanding of Python programming and to help them improve their programming skills by offering them actual practical assignments to complete in labs.
2. The lab component of this course is meant to provide students hands-on experience with the ideas.
3. To design and develop Python progammes using the Python IDE.
4. To understand the concepts of list, tuples, dictionary and regular expression.
5. To design, compile and debug Python Programs.

Course Outcome:

After completion of Course the students will be able to

1. Student will be able to understand the syntax and semantics of Python Programming.
2. Students will learn the concepts like Basics of Python programming, Decision Making and Functions in Python, Object Oriented Programming using Python.
3. Able to develop multithreaded programs.
4. Design and implement GUI application and how to handle exceptions and files.
5. Make database connectivity in python programming language using PYQT.

C# AND .NET Core

Course Objectives

1. To learn how to design and develop C# and .Net programs.
2. To learn how to create types, Classes and Deconstruction in C# and .net.
3. To learn how to use object-oriented programming with C#.
4. To learn how to handle error in C#.
5. To learn about different Libraries, Assemblies, Packages & Nuget, and how it can be used for networking, also it provides security.

Course Outcome:

1: C# provide ways to express your intent clearly and it is simple, readable and easy to use.

2: After completion of the course the student will be able to use the features of Dot Net Framework along with the features of C#

Operating Systems Practical

Course Objectives:

1. Experiment to understand the installation process of virtual machine software, Linux operating system and windows Operating Systems.
2. Experiment to learn Linux Commands working with files and directories.
3. Experiment to learn Windows (DOS) Commands.
4. Writing programs to create and execute shell script.
5. Writing programs to learn and understand various windows Desktop and utilities.
6. Writing programs to learn and understand various Linux Desktop and utilities.
7. Experiment to learn and understand the utility software on Linux and Windows.

Course Outcome:

1. To learn and understands installation process of virtual machine and operating systems like windows and Linux on it.
2. Understand various windows and Linux operating systems commands.
3. Understand, learn and work on various windows and Linux desktop and utilities.
4. To learn and understands installation process of utility software on Linux and Windows Operating Systems.

Mobile app Development Practical

Course Objectives:

1. To give comprehensive introduction of Dart language.
2. To provide the knowledge of Flutter framework.
3. To help to gain insights of Flutter material design and widgets.
4. To implement the app development process.
5. To implement the animations.
6. To introduce the concept of database.

Course Outcome:

1. Learn Fundamental Dart Concepts.
2. Learn Fundamental Flutter Concepts.
3. Learn to develop the mobile app
4. Control State Management with Provider.
5. Learn to implement the animations.
6. Store Data with Firebase.

Computer Networks Practical

Course Objectives:

1. To be able to find the first address, last address and other information from an IP address.
2. To be able to decode and understand basic network commands.
3. To utilize the various routing protocols in setting up a network.
4. To understand the working of higher end protocols such as DHCP and DNS.
5. To sniff the network and understand the behavior of protocols in real time.

Course Outcome:

 1: Implement subnetting for improved network address management.
 2: Set up a computer network for specific requirements
 3: Administer and maintain a computer network applying different protocols.
 4: Identify and describe several network protocols.
 5: Know how packets traverse in the network by sniffing packet information.

Computer Graphics and Animation

Course Objectives:

1. To train the students to acquire skills in generating marketable computer graphics and animated pictures, especially in the area of advertisements.
2. To train the students to acquire skills and mastery in the use of different software producing graphics and animation.
3. The course introduces the basic concepts of computer graphics.
4.   It provides the necessary theoretical background and demonstrates the application of computer science to graphics.
5. The course further allows students to develop programming skills in computer graphics through programming assignments.

Course Outcome

CO 1. Understand the basics of computer graphics, different graphics systems and applications of computer graphics.
CO 2. Discuss various algorithms for scan conversion and filling of basic objects and their comparative analysis.
CO 3. Use of geometric transformations on graphics objects and their application in composite form.
CO 4. Extract scene with different clipping methods and its transformation to graphics display device.
CO 5. Explore projections and visible surface detection techniques for display of 3D scene on 2D screen.
CO 6. Render projected objects to naturalize the scene in 2D view and use of illumination models **CO 7.** Understanding the core concepts and mathematical foundations of computer graphics
CO 8. Knowing the fundamental computer graphics algorithms and data structures
CO 9. Understanding an overview of different modeling approaches and methods
CO 10. Getting detailed knowledge about basic shading and texture mapping techniques
CO 11. Understands light interaction with 3D scenes
CO 12. Explain the applications, areas, and graphic pipeline, display and hardcopy technologies.
CO 13. Apply and compare the algorithms for drawing 2D images also explain aliasing, anti-aliasing and half toning techniques.
CO 14. Discuss OpenGL application programming Interface and apply it for 2D & 3D computer graphics.

CO 15. Analyze and apply clipping algorithms and transformation on 2D images.
CO 16. Solve the problems on viewing transformations and explain the projection and hidden surface removal algorithms.
CO 17. Explain basic ray tracing algorithm, shading, shadows, curves and surfaces and also solve the problems of curves.

Full Stack Development with Java

Course Objectives

1. To understand the basic concepts and fundamentals of platform independent object oriented language.
2. To provide knowledge about basic Java language syntax and semantics to write Java programs.
3. To understand the fundamentals of network programming in Java.
4. To demonstrate skills in writing programs using exception handling techniques and Lambda expression.
5. To gain a thorough understanding of MVC framework using spring.

Course Outcome:

After completion of Course the students will be able to

CO1: Implement object oriented concepts using Java.
CO2: Use the syntax and semantics of java programming language and basic concepts of OOP.
CO3: Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.
CO4: Apply the concepts of Lambda expression and Exception handling to develop efficient and error free codes
CO5: Gain the knowledge of MVC Architecture and develop application using Spring.

Computer Oriented Statistical

Course Objectives:

1. To learn the different methods of calculating the central tendencies.
2. To introduce the moments, skewness and kurtosis.
3. To learn scientific view to conduct the survey in proper way to collect the data about specific perspective.
4. To Learn variety of probability sampling methods for selecting a sample from a population.
5. To learn the sampling theory and testing of hypothesis and making inferences.
6. To introduce the students with understanding of the curve fitting, regression and correlation techniques.

Course Outcome

CO 1: To calculate and apply measures of central tendencies and measures of dispersion grouped and ungrouped data cases.
CO 2: To calculate the moments, skewness and kurtosis by various methods.
CO 3: How to apply discrete and continuous probability distributions to various business problems.

CO 4: Perform Test of Hypothesis as well as calculate confidence interval for a population parameter for single sample and two sample cases. Understand the concept of p-values

CO 5: Apply simple linear regression and correlation model to real life examples.

Computer Graphics and Animation Practical

Course Objectives:

1. To make student able to implement the computer graphics algorithm and basic animation using '**Python/C++/C'.**
2. Understand the need of developing graphics application, images and pictures.
3. Learn algorithmic development of graphics primitives like: line, circle, ellipse, polygon etc.
4. Learn the representation and transformation of rotation, translation and reflection etc.
5. Understand and develop animation using graphics functions.

Course Outcome:

CO 1: Draw Geometric primitives using OpenGL

CO 2: Execute scan line polygon filling using OpenGL

CO 3: Implement basic transformations on objects using OpenGL

CO 4: Implement clipping algorithm on lines using OpenGL

CO 5: Implement line, circle and ellipse drawing algorithms,

CO 6: Apply simple and composite transformations on graphics objects/elements.

CO 7: Implement filling algorithms, line and polygon clipping algorithms and create animations.

Full Stack Development with Java Practical

Course Objectives

1. Implement object oriented concepts using Java.
2. Use the syntax and semantics of java programming language and basic concepts of OOP.
3. Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.
4. Apply the concepts of Lambda expression and Exception handling to develop efficient and error free codes
5. Gain the knowledge of MVC Architecture and develop application using spring.

Course Outcome

CO1: Summarize the strengths and weaknesses of Java programming and the basic concepts of object-oriented programming.

CO2: Student will be able to understand the syntax and semantics of Java Programming.

CO3: Students will learn the concepts like Interfaces, lambda expression, packages in Java.

CO4: Develop networking based application.

CO5: Develop application based on spring framework.

Computer Oriented Statistical Techniques Practical

Course Objectives

1. To introduce the students, the R programming language.
2. To introduce the R tool to calculate the central tendencies and measures of dispersions.
3. To introduce R language to import the data from Excel file to perform statistical operations.
4. To introduce R language to perform hypothetical testing.
5. To introduce R language to perform regression analysis.

Course Outcome

CO 1: familiar with R software and learn basics of R with descriptive statistics.
CO 2: implement the R language to calculate statistical measurements.
CO 3: import the data from excel file and analyze the data in the R software.
CO 4: do the hypothetical testing using R language.
CO 5: solve the linear least square method problems using R language.

M.Com in Advanced Accountancy

Advanced Financial Accounting

Course Objectives

1. To understand the concepts of Foreign Currency Conversion as per AS 11
2. To apply requirements related to the Final Accounts & Statutory Requirements for Banking Companies
3. To apply requirements related to accounting & Statutory Requirements of (Insurance Companies)
4. To apply requirements related to Accounting & Statutory Requirements of Co-operative Societies.

Course Outcomes

After successful completion of the course, the learner will be able to:-

1. The concepts of Foreign Currency Conversion as per AS 11
2. The requirements related to the Final Accounts & Statutory Requirements for Banking Companies
3. The requirements related to accounting & Statutory Requirements of (Insurance Companies)
4. The requirements related to Accounting & Statutory Requirements of Co-operative Societies.

Direct Tax

Course Objectives

1. To develop the understanding of basic concepts of Income Tax.
2. To understand the classification of heads of income and exclusion from income.
3. To learn the computation of Total Income for Individual as per provisions of Income Tax Act, 1961.

Course Outcomes:

After successful completion of the course, the learner will be able to:-

1. The understanding of basic concepts of Income Tax.
2. The understanding the classification of heads of income and exclusion from income.
3. The computation of Total Income for Individual as per provisions of Income Tax Act, 1961.

Advanced Cost Accounting

Course Objectives:

1. To understand the concepts and practices of Process Costing
2. To apply the concepts of Cost Allocation and Activity Based Costing Systems
3. To understand the concepts of strategic cost management and responsibility accounting

Course Outcomes:

After successful completion of the course, the learner will be able to:-

1. Understand the concepts and practices of Process Costing
2. Apply the concepts of Cost Allocation and Activity Based Costing Systems
3. Understand the concepts of strategic cost management and responsibility accounting.

Corporate Financial Accounting

Course Objectives:

1. To understand the concepts and practical applications of Corporate Financial Reporting.
2. To understand the concepts and practical applications of International Financial Reporting Standards (IFRS) & Ind – AS.
3. To understand the concepts and practical applications of Valuation of Business for Amalgamation & Merger.
4. To understand the concepts and practical applications of Consolidated Financial Statement as per relevant Accounting Standards.

Course Outcomes:

After successful completion of the course, the learner will be able to:-

1. Understand the concepts and practical applications of Corporate Financial Reporting.
2. Understand the concepts and practical applications of International Financial Reporting Standards (IFRS) & Ind – AS.
3. Understand the concepts and practical applications of Valuation of Business for Amalgamation & Merger.
4. Understand the concepts and practical applications of Consolidated Financial Statement as per relevant Accounting Standards.

Indirect Tax – Introduction of Goods & Service Tax

Course Objectives

1. To acquaint with framework of GST including need for GST and Dual model adopted by India in implementation of GST.

2. To study the legal provisions relating to Levy and Collection of GST.

3. To develop understanding of registration process under GST.

4. To learn computation and payment of Tax Liability as per GST provisions.

Course Outcomes

1. Acquaint with framework of GST including need for GST and Dual model adopted by
   a. India in implementation of GST.
2. Understand the legal provisions relating to Levy and Collection of GST.

3. Develop understanding of registration process under GST.

4. Compute the payment of Tax Liability as per GST provisions.

Financial Management

Course Objectives:

1. To develop understanding on the types of financing
2. To evaluate Investment Decisions based on Capital Budgeting

3. To analyse the Working Capital requirements of business.

4. To develop Financial Policy and Corporate Strategy

5. To learn the concepts and practical aspects of Financial Planning

Course Outcomes:

After successful completion of the course, the learner will be able to:-

1. Develop understanding on the types of financing
2. Evaluate Investment Decisions based on Capital Budgeting

3. Analyse the Working Capital requirements of business.

4. Develop Financial Policy and Corporate Strategy

5. Learn the concepts and practical aspects of Financial Planning

M.Com (Banking & Finance)

Financial Markets

Objectives of the course:
1. To study the Structure of Indian financial system.
2. To familiarize the students with the structure of money market and capital market
3. To understand the Instruments of money market and capital market.
4. with the understanding of development of the world currency system.
5. To understand the Globalization of Financial Market

Course Outcomes:

1. Describe the different components of a financial system and their role.
2. Explain the recent developments in the financial system
3. Describe the instruments, participants and operation of the money market
4. Describe the methods of issuing shares and role of intermediaries in the primary market
5. Understand the various speculators and describe the speculative activities.

Accounting of Banking Sector

Course Objectives:-

1. To enable learners to understand the accounting system of banks.
2. To provide information to learners about the importance and functions of banks.
3. To develop an understanding of the computation and application of different types of interest and annuity.

Course Outcomes:
1. 1. It is expected that learners will understand the accounting system of banks.
2. Learners recognize and appreciate the importance and functions of banks.
3. Learners are expected to get acquainted with the computation and application of different types of interest and annuity.

Debt Markets

Objectives of the course:-

1. To gain an understanding of debt market its evolution
2. To understand the role and functions of different players in the debt market
3. To understand the importance of Bond, types of bonds its ratings and relevance of rating agencies
4. To understand the importance of bond valuation its calculation

Course Outcomes:

1. The students will be able to understand the difference between equity market & debt market and its various instruments.
2. The students will know the importance of different players and their functioning.
3. The student will be able to identify different types of bonds, the process of rating agencies, benefits of rating.
4. The student will be able to calculate bond value i.e. Present value & Future Value.

International Finance

Objectives of the course:

1. To study the fundamentals of the global financial system.
2. To understand objectives of international monetary and financial institutions.
3. To familiarizing the students with the understanding of development of the world currency system.
4. To illustrate the instruments of regulation of currency and credit relations.
5. To discuss the elements of the currency system and the factors which determine an exchange rate.

Course Outcome:

1. Explain conceptually the organization of foreign exchange markets.
2. Apply simple models of current account dynamics and exchange rates determination.
3. Analyse the causes of historical exchange rate movements with reference to the models covered in class.
4. Apply the models covered in class to analyse a range of current issues in international finance.

Financial Services

Objectives of the course

1. To impart knowledge regarding the components of Indian Financial System.
2. To provide in depth understanding of different avenues of financial system viz. capital markets, banking, insurance, mutual funds & other related services.
3. To enable the students to understand the role & functioning of regulatory bodies in financial sector
4. To equip the students with skills required to operate in competitive environment in the service sector.

Course Outcomes

1. Ability to understand practical applications of investment and portfolio theories
2. Development of skills required to act as financial analyst or consultant having thorough knowledge of financial analysis, risk management, portfolio theory and insurance etc.
3. Equip the students with required proficiency to enable them to work in banks and insurance companies. Familiarizing with the concept & relevance of business ethics in modern business era.

Investment management

Objectives of the course

1. To critically discuss client objectives and the investment policy statement
2. To apply portfolio theory in practice, covering asset allocation and international investment, portfolio risk management and risk-adjusted performance measurement
3. To understand and critically evaluate Value strategies, Momentum strategies and Hedge fund strategies
4. To understand and critically interpret output from investment and risk management tools such as Style Research, Thomson One Banker and DataStream.

Course Outcomes:

1. Critically discuss client objectives and the investment policy stateme
2. Apply portfolio theory in practice, covering asset allocation and international investment, portfolio risk management and risk-adjusted performance measurement
3. Understand and critically evaluate Value strategies, Momentum strategies and Hedge fund strategies
4. Understand and critically interpret output from investment and risk management tools such as Style Research, Thomson One Banker and DataStream.

M.Com (Business Management)

Entrepreneurial Management

Objectives of the course:

1. To introduce students to the basic concepts and importance of entrepreneurship and its role in economic and social development of the country.
2. To make students aware of entrepreneurial ventures, types of entrepreneurships like social and women entrepreneurship, entrepreneurial environment, Financial & SWOC Analysis, and problems of entrepreneurship.
3. To provide knowledge, skills and motivation to students regarding project, project formulation and project management.
4. To enlighten students about various assistance and incentives offered by the government for promotion and development of entrepreneurship in India.

Course Outcomes

1. Learners are expected to understand the basics and importance of entrepreneurship and its role in economic and social development of the country.
2. Learners are expected to develop an awareness of entrepreneurial ventures, types of entrepreneurships like social and women entrepreneurship, entrepreneurial environment, Financial & SWOC Analysis and problems of entrepreneurship.
3. Learners are expected to develop skills and motivation regarding project, project formulation and project management.
4. Learners are expected to be enlightened about various assistance and incentives offered by the government for promotion and development of entrepreneurship in India.

Organizational Behaviour

Course Objectives

1. To help the students to develop cognizance of the importance and relevance of human behaviour.
2. To enable students to describe how people behave under different conditions and understand why people behave as they do. Motives of behaviour in short
3. To provide the students to analyse specific strategic human resources demands for future action.
4. To enable students to synthesize related information and evaluate options for the most logical and optimal solution such that they would be able to predict and control human behaviour and improve results.

<u>**Course Outcomes**</u>

1. Learners are expected to develop cognizance of the importance and relevance of human behaviour.
2. Learners are expected to describe how people behave under different conditions and understand why people behave as they do.
3. Learners are expected to analyse specific strategic human resource demands for future action.
4. Learners are expected to synthesize related information and evaluate options for the most logical and optimal solution such that they would be able to predict and control human behaviour and improve results.

Human Resource Management

Objectives of the Course

1. To orient the learner with the concepts of Human resource management, Human resource planning, Recruitment and selection.
2. To develop an understanding among learners of functions like Training and development, Performance appraisal, Career advancement and succession planning.
3. To acquaint the learner with the latest development in HRM and labour legislation.
4. To familiarize the learner with the emerging issues in HRM.

Course Outcome

1. Learners are expected to get oriented with the concepts of Human resource management, Human resource planning, Recruitment and selection.
2. Learners are expected to develop an understanding of functions like Training and development, Performance appraisal, Career advancement and succession planning.

3.Learners are expected to get acquainted with the latest development in HRM and Labour legislation.

4. Learners are expected to get familiarize with the emerging issues in HRM.

Management of Business Relations

Objectives of the Course

1. To make students acquainted with the role of entities in today's scenario.
2. To provide insight into CRM, new trends in CRM and designing CRM strategy.
3. To disseminate knowledge regarding the concept of e-CRM and e-CRM technologies.
4. To acquire skills in handling employer-employee relations.
5. To enable the learners to familiarize with the role of management and unions in the promotions of industrial relations.

1. Understanding & appreciating principles of ethics & corporate governance
2. Familiarizing with the concept & relevance of business ethics in modern business era
3. Identifying the scope and complexity of Corporate Social Responsibility in the global and Indian context
4. Articulating the learners with recent developments and trends in the business corporate world and societal development.

Retail Management

Objectives of the Course

1. To orient the learner with the concept of Retailing, Retail sector in India, and Recent trends in Retailing.
2. To develop an understanding among learners about Retail strategies, Relationship marketing strategies, Consumer strategies.
3. To acquaint the learner with the Retail location, Merchandising and Store design and layout.
4. To familiarize the learner with the Use of technology in retailing, E-Retailing and Retail as a career.

Course Outcomes

1. Learners are expected to understand the concept of Retailing, Retail sector in India, and Recent trends in Retailing.
2. Learners are expected to develop an understanding about Retail strategies, Relationship marketing strategies, Consumer strategies.
3. Learners are expected to get acquainted with the Retail location, Merchandising and Store design and layout.
4. Learners are expected to get acquainted with the use of technology in retailing, E-Retailing and Retail as a career.

Advertising & Sales Management

Objectives of the Course

1. To introduce students to the basics and different types of advertisement and to make them understand key players in the advertising industry.
2. To provide knowledge as to creativity, social and regulatory framework of advertisement and to discuss the ethics in advertisement and the decisions regarding the most feasible advertising appeal and media mix.

3. To understand the pre-testing, post testing and concurrent testing of ads to determine their effectiveness.
4. To enlighten students the Concept, importance and different aspects of sales management such as sales force management and sales organization.
5. To help students to understand the concepts of sales planning, sales controlling, sales quota etc. and to acquaint them with the recent trends in sales management.

Course Outcomes

1. Learners are expected to know the basics and different types of advertisement and to understand key players in the advertising industry.
2. Learners are expected to enhance knowledge as to creativity, social and regulatory framework of advertisement and to discuss the ethics in advertisement and the decisions regarding the most feasible advertising appeal and media mix.
3. Learners are expected to understand the pre-testing, post testing and concurrent testing of ads to determine their effectiveness.
4. Learners are expected to enlighten the Concept, importance and different aspects of sales management such as sales force management and sales organization.
5. Learners are expected to understand the concepts of sales planning, sales controlling, sales quota etc. and to acquaint them with the recent trends in sales management.

DATA SCIENCE

Descriptive Statistics

Course Objectives

1. To understand the use of data for tabulating and analyze statistical information given in descriptive form with attributes.
2. To use graphical techniques as well as to compute various measures of centra tendency.
3. To compute various measures of dispersion, skewness and kurtosis and to calculate rangeof variables and the deviation of specific data point.
4. To compute the correlation coefficient for bivariate data and Calculate the simple linear regression equation for a set of data.
5. To Describe and verify mathematical considerations for anayzing time series.

Course Outcomes:

After completion of the course, a student should be able to:

6.

1. To understand the use and importance of statistical data by tabulating and implementing sampling methods.
2. Able to identify association between the variables as well as computing consistent and inconsistent data.
3. Able to compute level of measures and apply as well as interpret data into graphs.
4. Apply measure of central tendency to minimize the sum of squared deviation.
5. Able to understand the basic assumption behind regression analysis and determine the model is significance as well as able to apply various techniques for the modelling.

Descriptive Statistics Practical

Course Objectives

1. To enhance excel based data modeling skills.
2. To understand Data Conversion, data categorization, selection of appropriate data category and Collection and to utilize excel based data modeling skills.

3. To compute Logical and Mathematical Averages, measures of dispersion, compute skewness, moments and kutosis and to use graph from graphical tool.

4. To represent data on the graph, Cumulative frequency, subgroup of data with Histogram and subgroup of data with Histogram as well as with bar chart.

5. To analyze data about the frequency of problems /Cause of problem and to use financial function.

6. To compute variance, coefficient of variation, standard deviation two subgroups, correlation and co-variance.

7. To implement statistical function on series of data and forecasting techniques.

Course Outcomes

After completion of the course, a student should be able to:

1. Use Microsoft Excel for business and data analytics, applying insert function library, make use of "Add-Ins Tool pack" for different statistical and mathematical function, learn to use formula and function with cell reference and able to use different types of chart suitable to the data.

2. Do Data Entry and manipulation using data context, to transpose the tabular data,convert data in to tabular format and able to use the excel tools for data categorization.

3. Discover Measures of central tendency by using analysis tools and formula and able state the conclusion.

4. Find Measures of Dispersion, Skewness & Kurtosis by using formula, calculate statistics measures using add-ins analytical tools, Able to use graph/chart from chart tool and deriving the conclusion of the experiment.

5. Display Graphical Presentation with Excel by using graph/Chart, templates to improve presentation of data, represent cumulative frequency, data analysis, understand "cause analysis", make use of formula and analytical tools to compute combined variance and Standard Deviation and compute coefficient of variation.

6. Find Correlation by applying statistical formula and analytical tool, identifying wrong data entries, make use of financial function using insert and deriving conclusion of the experiment.

7. Do Regression analysis by predicting using data analysis tools, make use of forecasting techniques, Able to use multiple regression using time series data and deriving conclusion of the experiment.

Introduction to Programming

Course Objectives:

1. Learn Programming fundamentals using Python

2. Understand the concepts and usage data types, variables and other basic elements

3. Learn about using operators and control statements in Python

4. Learn about using arrays and strings in Python.

5. Learn about using IPython architecture for Python.

6. Introduce data Science Tools and plot data using appropriate Python visualization libraries

Course Outcome:

Upon the successful completion of this course, the student will be able to achive:

1. Proficiency in using and applying various data types including, string, array list, tuple and dictionary.

2. Ability to use regular expressions to perform complex operations in less code.

3. Learning to make use of date and time in Python for various applications.

4. Proficiency in using IPython architecture for Data Science Applications.

5. Knowledge about use of various data science tools.

Introduction to Programming Practical

Course Objectives:

1. To explore Python Programming elements for developing interactive programs.

2. To gain insight about the concept of functions and to explore the data storage of similar types with their features.

3. To learn about special operators, Arrays and lists and operation on them in Python.

4. To explore Dictionaries, Sets, Text processing and operation on them.

5. To learn about date and time module in Python.

6. To explore popular data science tool, packages for data visualization.

Course Outcomes:

After completion of the course, a student should be able to:

1. Knowledge about input and output functions in python and have ability to use loops and control their execution.

2. Ability to develop modular Programs using functions and data types like string, array and list of Python.

3. Ability to develop modular Programs using Date and Time of Python.

4. Interact with IPython and Jupyter notebook.

5. Make use of NumPy Package and different functions available in it.

6. Able to write code using Pandas Package and different functions available in it.

Web Technology

Course Objectives:

1. Introducing the basic concepts of Internet and web design to learners.
2. Providing brief knowledge about HTML5 concepts.
3. Giving insight of the Page layout and navigation with HTML5.
4. Making students aware about use of Tables, Forms and Media with HTML5.
5. Providing knowledge of web page design using CSS.
6. Teaching data validation using Java Script.
7. Giving knowledge about transmission of data on web page using JSON object.

Course Outcomes:

After completion of the course, a student should be able to:

1. Understand the meaning of the basic terminologies of web technology and explore, use the HTML5 concepts. Understand the basic requirement of web design.
2. Understand and use the Page layout, Navigation, Tables, Forms and Media features of HTML5.
3. Understand and use Cascading Style sheet for beatifying the web pages.
4. Understand and use the Java Script for validation of user forms in web pages.
5. Understand and use the technique of transmitting data between a server and web application using JSON.

Web Technology Practical

Course Objectives:

Provide the hands on the HTML5, CSS, JavaScript and JSON technologies for designing the attractive webpages with dealing user data validation and transferring the values among the web pages and servers.

1. Introducing basics of HTML5 to learners.
2. Giving insight of the Page layout and navigation with HTML5.
3. Making students aware about use of Tables, Forms and Media with HTML5.
4. Providing knowledge of web page design using CSS.
5. Teaching data validation using Java Script.
6. Giving knowledge about transmission of data on web page using JSON object.

Course Outcomes:

After completion of the course, a student should be able to:

1. Use basic tags such as font, link and text formatting tags.

2. Use and apply Navigation, lists, images etc in web pages.

3. Use User controls and embed Multimedia in web page.

4. Use and apply CSS with list, links, fonts table etc. in web page.

5. Use and apply Java Script for Validating User fields on web page.

6. Create, parse and persist the JSON object and extract and use its values on web page.

7. Use JSON object with arrays and message formatting on web page.

Business Communication and Information Ethics

Course Objectives:

1. To discuss various components of communication, explain how non-verbal communication techniques enhance communication and explain the barriers to communication.

2. To discuss various business activities which are essential at workplace. To explain business communication covering the structure and layout of a letter, planning of a letter and use of language.

3. To explain the use of agenda and minutes for effective functioning of any organisation.

4. To direct the learners' attention to the significance of effective writing and the importance and structure of reports.

5. To explain to interpret information ethics (IE) as the branch of the philosophy of information that investigates, in a broad sense, the ethical impact of Information and Communication Technologies (ICTs) on human life and society.

Course Outcomes:

After completion of the course, a student should be able to:

1. Communicate effectively in non-verbal way, draft and write effective business letters.

2. Effectively carryout communication activities of business by following email etiquettes, drafting memos.

3. Write elegant business reports and prepare user instruction manual.

4. Apply the information ethics in all walks of life.

5. Become a good communicator in life.

ICT Practical

Course Objectives

1. To help the learners become competent and confident users of ICT who can make efficient, effective and creative use of basic application software in their everyday activities.
2. To encourage the learners to become critical and reflective users of ICT who can evaluate the capabilities and limitations of the technology and of social, technical, political, ethical, organisational and economical principles associated with its use.
3. To prepare the learners for the society of tomorrow by making them adaptable users of ICT who have the necessary openness and flexibility of mind to be able to adjust to future changes in the technology.
4. To encourage the learners to develop the appropriate social skills that are essential for co-operative and collaborative learning based around ICT.
5. To empower ICT disadvantaged learners by ensuring sufficient access for those learners who have little out-of-school opportunities to use the technology.

Course Outcomes:

After completion of the course, a student should be able to:

1. Effective use the ICT software for different purposes in all walks of life.
2. Develop the appropriate personal skills that are essential for independent learning based around ICT
3. Develop their potential to their fullest by facilitating the acquisition of knowledge; by helping the learner concentrate on higher order cognitive tasks rather than on lower order routine tasks and by positively affecting the attitude of the learner towards further learning
4. Facilitate better communication between the learners thereby promoting greater social understanding and harmony
5. Effectively use the ICT in governance, agriculture and healthcare.

Precalculus

Course Objectives:

1. To master the number fundamentals, equations and different types of mathematical functions.

2. To review and explain the trigonometry and gain expertise trigonometric identities.

3. To understand analytical trigonometry and inverse functions.

4. To give the detailed knowledge about complex numbers, vectors and matrices.

5. To understand the conics, sequences and series.

Course Outcomes:

After completion of the course, a student should be able to:

1. Apply the knowledge of numbers, graph and functions in real life.
2. Apply trigonometry in modelling real life problems.
3. Use analytic trigonometry and inverse circular functions to solve variety of problems.
4. Apply complex numbers theory to different domains, use vectors and matrices to solve real life problems.
5. Identify different types of conics from equations, understand sequences and series and basics of limits and derivatives.

Probability and Distributions

Course Objectives:

1. To explore about random variables and implement various distribution functions.
2. To familiarize with concepts of probability and learn implementation of different types of probabilities.
3. Learn and implement the concept of expectation, related theorems and generating functions.
4. To know the concept and implementation of discrete distributions including Bernoulli, Binomial and power series distributions.
5. To get acquainted with theory and practical implementation of concepts of continuous distributions.

Course Outcomes:

After completion of the course, a student should be able to use spreadsheet/excel:

1. Organize, manage and present data

2. Analyse statistical data graphically using frequency distributions and cumulative frequency distributions

3. Use the basic probability rules, including additive and multiplicative laws, using the terms, independent and mutually exclusive events.

4. Translate real-world problems into probability models.

5. Derive the probability density function of transformation of random variables.

6. Calculate probabilities and derive the marginal and conditional distributions of bivariate random variables.

Probability and Distributions Practical

Course Objectives:

1. To provide students with the foundations of probabilistic and statistical analysis mostly used in varied applications in engineering and science.
2. To practically learn the theory concepts and apply in real time.

Course Outcomes:

After completion of the course, a student should be able to

1. Use discrete and continuous probability distributions, including requirements, mean and variance, and making decisions.
2. Define binomial outcomes and compute probability of getting X successes in N trials.
3. Use the normal probability distribution including standard normal curve calculations of appropriate areas.
4. Use different distributions to solve simple practical problems.

Database Management

Course Objectives: This course concentrates the concept of the DBMS with respect to principles, design and implementation of DBMS. It aims to specify the functional and data requirements for a typical database application and to understand creation, manipulation and querying of data in databases.

1. To understand Organizing, structuring and storing data.
2. Understand Database as Relational model.
3. To understand SQL to retrieve data and concept of redundancy.
4. To specify the functional and data requirements for a typical database application.

5.To understand creation, manipulation and querying of data in databases.

Course Outcomes:

After completion of the course, a student should be able to:
1. Students should be able to evaluate business information problem and find the requirements of a problem in terms of data.
2. Students should be able to draw database design in logical structure and can identify the entities which exist in a system
3. Students should be able to construct normalized database and functional dependencies between attributes and relational algebra queries
4. Students should be able to design the database schema with the use of appropriate data types for storage of data in database.
5. Students should be able to create, manipulate, query and back up the databases with features of SQL.

Database Management Practical

Course Objectives: Provides the hands on the SQL language for retrieving the data from the database in different scenarios. The primary focus is to understand relational database concepts and design by using SQL.

1. Identify entities and its relationship with relational model structure.
2. To understand relational database using SQL and constraints implementation using create table query.
3. To Understand DML operations and backing of database.
4. To understand how to retrieve data from database and learn how to retrieve single value after performing calculations on group of values.
5. To understand built-in functions to perform operations on data.
6. To understand how to fetch data from two or more tables, which is joined to appear as single set of data.
7. To understand nested and larger query as advanced fetching of data.
8. To understand concept of virtual table.
9. To understand how to control user access in a database.

Course Outcomes:

After completion of the course, a student should be able to:

1. Students able to draw relationship diagram.

2. Students able to perform various operations such as insert, update delete and retrieve data from database using SQL queries.

3. Students able to perform alteration in tables and can restore and take backup of the database.

4. Students able to perform operations using simple SQL Queries to fetch data and learns various aggregate functions to get single value.

5. Students able to perform SQL Queries using JOIN keyword for joining two or more tables.

6. Students able to perform nested queries using in, exists operators.

7. Students able to create new table by joining one or more tables and learn how to hide attribute from end user.

8. Students able to restrict the user from accessing data in database.

R Programming

Course Objectives:
1. Master the use of the R interactive environment and expanding by installing R packages.

2. Read Structured Data into R from various sources.

3. Understand the different data types and data structures in R.

4. Manipulate strings, dates in R.

5. Understand basic regular expressions in R.

6. Understand base R graphics.

7. Focus on GGplot2 graphics for R and be familiar with trellis (lattice) graphics.

Course Outcomes:
After completion of the course, a student should be able to:

1. To use R Studio and explore the features for R programming.

2. To use R functions and graphics with in R programming for solving problems.

3. To work with advanced graphics of R, import and use the data and represent the data into tables.

4. To apply formatting on table, use Pipelines in application and use strings, factors in R programme.

5. To manipulating Data Frames and make use of Dates in R application.

R Programming Practical

Course Objectives:

1. To learn implementing expressions in R.

2. To learn and implement control flow using loops.

3. To explore and use basic data structures in R.

Course Outcomes:

After completion of the course, a student should be able to:

1. Use expression for decision making, get Knowledge of types of loops and loop control statements and able to create, access and manipulate essential data structures.

2. Develop skills to manage multiple data through various options available in R.

3. Use R object, simple statistical function for data analysis and Differentiate between linear and multiple regression analysis.

4. Get the knowledge about various function for Normal and Binomial Distribution and able to implement and analyse data using different time intervals and multiple time series

5. To create Tabulation for presentation of data and operation of them and get the knowledge about various ways of plotting data and saving them

6. Get the knowledge of implementing class concept in R and able to define reference class, create objects, access and modify fields

7. Get the knowledge about developing data interface for storing data in CSV files also knowledge about working with Excel files and able to interface with XML files and able to interface with MySQL, query and manipulate data in it.

8. Get the insight into errors related to name errors, control structure error, connection errors etc., and able to identify and handle errors in R code

9. To analyze performance of the R code.

Environmental Science

Course Objectives:

1. To learn and sensitize learners to their environment
2. To know about natural resources, ecology and ecosystem
3. To learn insights of biodiversity, pollution and its impact
4. Explore about Social Issues and the Environment
5. To learn about Environment Management and sustainable development.

Course Outcomes:

After completion of the course, a student should be able to:
1. Ability to recognise explain important of environment and its resources.
2. Knowledge about insights of ecology and biodiversity.
3. Recognise the cause and effects of environmental pollution and other social issues.
4. Knowledge about population and its impact on environment.
5. Insight into environment management and sustainable development.

Calculus

Course Objectives:
1. To give the insight of calculus starting with continuity and derivatives.
2. To gain proficiency in integration.
3. To apply derivatives and integration to various domains.
4. To use polar coordinates for different conics and understand multiple integrals.
5. To understand partial differentiation and differential equations.

Course Outcomes:

After completion of the course, a student should be able to:
1. Quickly and easily find the derivative of a function.
2. Perform integration of functions with ease.
3. Apply the knowledge of derivatives and integration to different domains and obtain the results.
4. Apply the knowledge of multiple integrals and polar coordinates to solve real life problems with ease.
5. Use partial derivatives and differential equations to solve variety of problems.

M.Sc. FINANCE

Economics

Course Objectives:

1. To know different concepts of micro & macro economy.

2. To understand market mechanism.

3. To explore the role of Government.

4. To understand the role of trade in economy & trade policy

5. To discuss the relation of economy & finance.

Course Outcome:

1. Learners will be able to know different theories of micro economy.

2. Learners will be able to understand various concepts of macro economy.

3. Learners will be able to classify market structures.

4. Learners will be able to comprehend the relevance of trade policy.

5. Learners will be able to explore fundamental theories of Finance.

Quantitative Methods

Course Objectives:

1. To know different concepts of Probability models.

2. To understand quantitative mechanism.

3. To explore Inferential Statistics.

4. To understand the role of Financial Calculus.

5. To discuss Mathematical programming.

Course Outcomes:

1. Learners will be able to know quantitative methods to be used in Finance.

2. Learners will be able to understand inferential statistical tools

3. Learners will explore different techniques of financial calculus.

4. Learners will be able to study various mathematical programming.

Accounting, Financial Reporting & Analysis

Course Objectives:

1. To know different concepts of financial reporting.

2. To understand regulatory framework of accounting.

3. To explore Principles of Taxation.
4. To understand the role of Analysis of assets, liability & Equity.
5. To discuss Revenue & Expenses analysis.
6. To know business combinations & interpretations of financial statements.

Course Outcomes:

1. The learners will be able to know different concepts of financial reporting.
2. The learners will be able to understand regulatory framework of accounting.
3. The learners will explore Principles of Taxation.
4. The learners will understand the role of Analysis of assets, liability & Equit
5. The learners will be able to discuss Revenue & Expenses analysis.
6. The learners will be able to know business combinations & interpretations of financial statements.

Financial Management

Course Objectives:

1. To know different concepts of corporate finance.
2. To understand environment of finance.
3. To explore Principles of valuation concepts.
4. To understand the role of working capital management.
5. To discuss investment in capital assets.
6. To know cost of capital & structure of capital.
7. To study dividend policy in detail.

Course Outcomes:

1. The learners will be able to know the role of CFO in corporate decision-making process.

2. The learners will be able to understand different financial products.

3. The learners will be able to calculate future value, compound interest rate.

4. The learners will be able to explore essence of financial planning.

5. The learners will be able to understand working capital requirements.

6. The learner will be able to explore capital budgeting & cash flows.

7. The learner will be able to comprehend importance of dividend policy.

Corporate Governance & Regulatory Environment of Finance

Course Objectives:

1. To know different concepts of corporate governance.
2. To understand the role of shareholders & stakeholders.
3. To explore Principles of audits.
4. To understand the role of code of corporate governance.
5. To discuss legal framework of capital markets.
6. To know the role of SEBI in Mutual fund.
7. **To study International financial regulations.**

Course Outcomes:
1. The learners will be able to know different concepts of corporate governance.
2. The learners will be able to understand the role of shareholders & stakeholders.
3. The learners will be able to explore Principles of audits.
4. To understand the role of code of corporate governance.
5. The learners will be able to discuss legal framework of capital markets.
6. The learners will be able to know the role of SEBI in Mutual fund.
7. **The learners will be able to study International financial regulations.**

Corporate Finance

Course Objectives:
1. To know framework for financial decisions.
2. To understand different investment decisions & strategies.
3. To explore Principles of value, risks & returns.
4. To understand different policies of short-term financing.
5. To discuss strategic financial decisions.
6. To know the role of corporate performance management.
7. **To study International financial management.**

Course Outcomes:

1. The learners will be able to know framework for financial decisions.

2. The learners will be able to understand different investment decisions & strategies.

3. The learners will be able to explore Principles of value, risks & returns.

4. The learners will be able to understand different policies of short-term financing.

5. The learners will be able to discuss strategic financial decisions.

6. The learners will be able to know the role of corporate performance management.

7. The learners will be able to study International financial management.

Econometrics & Financial Modelling

Course Objectives:

1. To know framework of financial modelling.

2. To understand different methods of systematic design.

3. To explore various forecasting models.

4. To understand different risk techniques.

5. To discuss strategies of targeting.

6. To know the role of management reporting.

Course Outcomes:

1. To know framework of financial modelling.
2. To understand different methods of systematic design.
3. To explore various forecasting models.
4. To understand different risk techniques.
5. To discuss strategies of targeting.
6. To know the role of management reporting.

Financial Markets & Institutions

Course Objectives:

1. To know determination of interest rates.

2. To understand different securities market.

3. To explore various financial instruments.

4. To understand non-banking financial institution framework.

5. To discuss the role of regulatory bodies.

6. To know the strategies of risk management.

Course Outcomes:

1. Learners will be able to know determination of interest rates.

2. Learners will be able to understand different securities market.

3. Learners will be able to explore various financial instruments.

4. Learners will be able to understand non-banking financial institution framework.

5. Learners will be able to discuss the role of regulatory bodies.

6. Learners will be able to know the strategies of risk management.

Fixed Income Securities Market

Course Objectives:

1. To know Forward rates analysis.

2. To understand framework for analysing bonds.

3. To explore various sources of risk for bonds.

4. To understand fixed income strategies.

5. To discuss the role of fund management.

6. To know the strategies of risk management.

Course Outcome:

1. Learners will be able to know Forward rates analysis.

2. Learners will be able to understand framework for analysing bonds.

3. Learners will be able to explore various sources of risk for bonds.

4. Learners will be able to understand fixed income strategies.

5. Learners will be able to discuss the role of fund management.

6. Learners will be able to know the strategies of risk management.