

GOVERNMENT DEGREE COLLEGE, MANCHERIAL DIST: MANCHERIAL
Programme Outcomes and Course Outcomes

PROGRAMME NAME: B.Sc. (Bachelor of Science)

PROGRAMME CODE: BS

PROGRAMME OUTCOMES

PO	DESCRIPTION
PO-1	To acquire theoretical and practical knowledge of both Physical and Life sciences and to apply the learnt principles in the day-to-day real life.
PO-2	To empower students for the industrial needs by providing them hand-on experiences in the Laboratories and encouraging them to participate in various project works.
PO-3	To develop scientific temper among the students to make them think and act logically based on the concepts they learnt in the institution.
PO-4	To enhance the research aptitude and computational skills among the students.
PO-5	To excel in their lives by applying their programme knowledge in the other disciplines.
PO-6	To make the students to collect the required data in the scientific methods, to analyse the data using various quantitative and qualitative methods, and to communicate the same with effective deliverance which will be useful to the society.
PO-7	To help the students to lead their personal and professional lives with ethics, morals and social values.
PO-8	To provide opportunities to the students to learn team spirit, and work as a team through practicals and project works.
PO-9	To develop perseverance and determination till the students become successful in their personal and professional endeavours.
PO-10	To make the students not to be superstitious and lead a life based on truth and reality.

PROGRAMME NAME: B. COM

PROGRAMME CODE: BC

PROGRAMME OUTCOMES

PO	DESCRIPTION
PO-1	To develop practical knowledge of Commerce and accounts, Computer applications and Finance by teaching the related theories.
PO-2	To make the students to get an employment in commerce or finance related sector.
PO-3	To make the students to face the challenges related to commerce or finance which they may have to face in their real life from time to time.
PO-4	To develop communication skills and leadership qualities among the students to make them good business persons.
PO-5	To develop Interpersonal and Soft Skills which enable the students to interact in a more constructive and benefiting manner.
PO-6	To make the students good team leaders who encompass various types of personalities in their work places and guide their teams to attain the team goals.
PO-7	To develop Human Values and professional ethics among the students for a society that provides equal opportunities for all, irrespective caste, creed and religion.
PO-8	To bring out the entrepreneurship skills among the students for the realization of their business ideas which in turn helps the students and the society.
PO-9	To equip the students with the global economic and commercial trends and to understand the basic features of share markets and mutual funds which may be useful in their lives.

PROGRAMME NAME: B.A. (Bachelor of Arts)

PROGRAMME CODE: BA

PROGRAMME OUTCOMES

PO	DESCRIPTION
PO-1	To understand the society by carefully studying the historical, political, and economical theories and incidents.
PO-2	To make the students loyal to the Indian constitution, and law abiding citizen, void of caste, creed, and religious biases.
PO-3	To make the students to apply the learnt theories in their practical day to day life, moulding themselves according to the demands of the situations.
PO-4	To make the students understand the importance of human relations to lead a happy and purposeful life, as history includes the human solidarity and conflictual behaviours.
PO-5	To instill the attitude, among the students, which conveys that the social service is the utmost responsibility of each and every citizen.
PO-6	To apply the historical understanding, the students are expected to build their present.
PO-7	To make the students understand various global, economical and political systems.
PO-8	To make the students understand the historical, economical, and political, environmental conditions of the community to which they belong and come with solid positive proposals for the betterment of the concerned community.
PO-9	To help the students to recognize the role of individual within the society.

PROGRAMME NAME: M. COM

PROGRAMME CODE: MC

PROGRAMME OUTCOMES

PO	DESCRIPTION
PO-1	To develop practical knowledge of Commerce and accounts, Computer applications and Finance by teaching the related theories.
PO-2	To make the students to get an employment in commerce or finance related sector.
PO-3	To make the students to face the challenges related to commerce or finance which they may have to face in their real life from time to time.
PO-4	To develop communication skills and leadership qualities among the students to make them good business persons.
PO-5	To develop Interpersonal and Soft Skills which enable the students to interact in a more constructive and benefiting manner.
PO-6	To make the students good team leaders who encompass various types of personalities in their work places and guide their teams to attain the team goals.
PO-7	To develop Human Values and professional ethics among the students for a society that provides equal opportunities for all, irrespective caste, creed and religion.
PO-8	To bring out the entrepreneurship skills among the students for the realization of their business ideas which in turn helps the students and the society.
PO-9	To equip the students with the global economic and commercial trends and to understand the basic features of share markets and mutual funds which may be useful in their lives.

COURSE NAME: HUMAN VALUES AND GENDER SENSITISATION

CO-No	DESCRIPTION
CO-1	Identify the basic needs and guidelines of value education and discuss the concepts of Self-exploration, Happiness and Prosperity that will help them shape their character and personality to lead a happy and successful life
CO-2	Develop sensibility with regard to the issues of gender in contemporary India.
CO-3	Analyze critically the issues related to gender violence.

COURSE NAME: ENVIRONMENTAL STUDIES

CO-No	DESCRIPTION
CO-1	Explain the key concepts and methods from ecological and physical sciences and apply them in solving environmental problems
CO-2	Critically examine all the aspects of environmental studies such as environmental pollution, health issues, legislation and create informed opinions about how to interact with the environment personally and societally..

COURSE NAME: SECOND LANGUAGE-TELUGU-I

CO-No	DESCRIPTION
CO-1	Understand classical poetry and acquire virtues like truth and devotion towards God through the poems Shakuntalopaakhyanam, Gajendramoksham and Godagoochi.
CO-2	Acquire life skills like social well being, confidence and love towards mankind through modern poetry like Kaasulu, Jaybheri and Antarnaadam.
CO-3	Critically understand the social history and influence of city life on village through lessons like ' Ugantam, Mamidipandu and MaaOoru Poyindi.
CO-4	Write essays effectively on current social issues
CO-5	Construct effective sentences using Sandhulu and Samasalu.

COURSE NAME: TELUGU-II

CO-No	DESCRIPTION
CO-1	Analyze& discriminate between good & bad, ethical & unethical values through classical poetry like DharmajuniVaakchaaturyam&Vibheeshana
CO-2	Acquire knowledge on Rural lifestyle &its pride throughRythuPrashasti&Gurudakshina
CO-3	Understand the local history & contributions by C.P Brown to Telugu literaturethrough the lessons Ardharatriarunodayam&CPBrowns Sahitya Seva
CO-4	Understand the beauty of Telugu language through Alankanralu
CO-5	Apply Chandassu for writing poems & appreciate them

COURSE NAME: TELUGU-III

CO	DESCRIPTION
CO1	Analyse& discriminate between good & bad, ethical & unethical values through classical poetry like DharmajuniVaakchaaturyam&Vibheeshana
CO2	Acquire knowledge on Rural lifestyle & itspridethrough RythuPrashasti&Gurudakshina
CO3	Understand the local history & contributions by C.P Brown to Telugu literature through the lessons Ardharatriarunodayam&CPBrowns Sahitya Seva
CO4	Understand the beauty of Telugu language through Alankanralu
CO5	Apply Chandassu for writing poems & appreciate them

COURSE NAME: TELUGU-IV

CO	DESCRIPTION
CO1	Understand human values like Keep up the word, dedication & salvation through the poems VaagdaanaBhangam&NaarasimhaShatakam
CO2	Understands the essence of happiness in life through affection & equality through poems NarudaNenu&AarthaGeetam
CO3	Acquire patience , diligence, self determination are the ways to accomplish the goals & personality development through the lesson NivuruTolaginanippu&VyaktitwaVikasam
CO4	Understand the consequences of the evil deeds through the drama ChaliCheemalu
CO5	Understand the roles & responsibilities of politician towards society through the drama ChaliCheemalu
CO6	Write essays effectively on current social issues
CO7	Construct effective sentences using Sandhulu and Samasalu.

COURSE NAME: ENGLISH-I

CO-No	DESCRIPTION
CO-1	Discuss the nuances of language, characterization and style through the short story "The Postmaster", while imbibing the soft skills of Change Management and mastering the usage of Parts of speech.
CO-2	Analyze the poem "Dreams" and identify the strategies of Goal Setting; apply the rules of punctuation appropriately.
CO-3	Infer the techniques of good writing from the lesson "Principles of Good Writing" and write effectively; identify and correct common errors in English.
CO-4	Integrate positive thinking through the poem "Still I Rise" and write effective paragraphs.
CO-5	Evaluate the significance of effective planning through the One Act Play "Never Never Nest" and compose effective essays.

COURSE NAME: ENGLISH-II

CO-No	DESCRIPTION
CO-1	Appreciate the short story "My Financial career"; acquire workplace etiquette and demonstrate note making skills.
CO-2	Analyze the poem "The World is too much with us" by William Wordsworth and demonstrate work-life balance and telephone skills.
CO-3	Acquire critical thinking skills through the essay "Man's Peril" and write Business Letters and Memos.
CO-4	Develop self-confidence through the poem "Invictus" and compose Email.
CO-5	Develop persuasion skills through the drama "The Boy comes Home" and draft Reports

COURSE NAME: ENGLISH-III

CO	DESCRIPTION
CO1	Appreciate the short story "My Financial career"; acquire workplace etiquette and demonstrate note making skills.
CO2	Analyze the poem "The World is too much with us" by William Wordsworth and demonstrate work-life balance and telephone skills.

CO3	Acquire critical thinking skills through the essay "Man's Peril" and write Business Letters and Memos.
CO4	Develop self-confidence through the poem "Invictus" and compose Email.
CO5	Develop persuasion skills through the drama "The Boy comes Home" and draft Reports

COURSE NAME: ENGLISH-IV

CO	DESCRIPTION
CO1	Acquire Crisis Management skills through the short story "When you Dread Failure" and draft a Resume for employability.
CO2	Develop stress and anger management skills through the poem "Anger" and be equipped with Interview skills
CO3	Appreciate J Krishnamurti's essay "Function of Education"; develop emotional intelligence and presentation skills.
CO4	Develop self-motivation through the poem "Success"; Acquire GroupDiscussion strategies.
	Acquire interpersonal skills through the play "The Dear Departed";process information transfer

History Course Outcomes

Name of the Course: Ancient India (3000B.C. to 1260AD.)

CO-No	DESCRIPTION
CO - 1	Ancient Indian history is very importance for UPSC Examination.
CO -2	When students doing study of ancient Indian history that time they know about original culture religion and society.
CO - 3	Increasing students wideness.
CO - 4	Student capable for discuss any Social issue.

Name of the Course: Introduction to History

CO-No	DESCRIPTION
CO - 1	Students known source of history
CO -2	Practically student known to how much write history.
CO - 3	Increased the knowledge of research in history
CO - 4	Students know external and internal Criticism
CO - 5	Students know historian works.

Name of the Course: Evolution of Ideas and Institutions in Medieval India

CO-No	DESCRIPTION
CO - 1	Student introduced nature of medieval Indian society, economy, state formations, and the main religious currents of the time.
CO -2	It is seen as a continuation of the course on ancient India. Students understand of the nature of society, and the problems of the challenge to that society, through colonialism, at a later stage.

Name of the Course: Chh. Shivaji and His Times (1630 to 1707)

CO-No	DESCRIPTION
CO - 1	Students got knowledge of concept of Shivaji and his times.
CO -2	Student view increased of Nationalism and Secularism.
CO - 3	Students got knowledge of administration of Shivaji Maharaj.
CO - 4	Introduced to student social, economic and religious condition.

Name of the Course: Modern India (1857-1950)

CO-No	DESCRIPTION
CO - 1	"History of Modern India" topic as a part of History is a very important section as far as the Syllabus of any competitive examination is possible, especially Civil Services exams.
CO -2	Students understand of the stages of development in Modern India, why certain events happened and analysis of the consequences of such developments that paves an impact on our society, economy and our political system.
CO - 3	Modern Indian history Importance For competitive examination

Name of the Course: History of the World in 20th century

CO-No	DESCRIPTION
CO - 1	Students got knowledge of concept in world history.
CO -2	Students got global event knowledge it is use for increased intellectual level.
CO - 3	World trend of thinking, Marxist, Communalism, Dictatorship, Empearalism, Nazizum, fascism, Terrorism, Feminism, Globalization, etc introduced to Students.

Name of the Course: World after World War II (1945 - 2000)

CO-No	DESCRIPTION
CO - 1	To acquainted the student with the post-World War II scenario and to enable them to understand contemporary world from the historical perspective.

Economics Course out comes

Name of the Course: MICRO -ECONOMICS

CO-No	DESCRIPTION
CO - 1	Revise and make them remember the basics of economics.
CO - 2	To Revise the Methodology in economics.
CO - 3	Apply of economic theories in day to day life.
CO - 4	To analyze the appropriate behaviour of consumers and methods of decision making.
CO - 5	To evaluate the production costs and consumer behavioural theories and its relevance.
CO - 6	They will also compare and contrast consumer behaviour during shopping experiences leading to creative thinking
CO - 7	To expose the students about the behaviour of cost & revenue concepts.
CO - 8	Students get knowledge of various market structures, analyze, & comprehend its relevance

Name of the Course: MACRO -ECONOMICS

CO-No	DESCRIPTION
CO - 1	Students will get exposed to various Macro- economic terminologies- N.I, Inflation, Unemployment, Trade cycles etc.
CO - 2	They will also understand various macro- economic theories with historical perspective.
CO - 3	Students will be able to apply various macro- economic theories to understand the health of the economy through various economic indicators.
CO - 4	Students will analyze, compare and contrast various macro- economic theories with specific reference to Indian context.
CO - 5	Students will evaluate and judge the existing policies of the government and their relevance.
CO - 6	Having understood the various policies critically it can pave way to think for new economic policies

Name of the Course: MICRO -ECONOMICS- 1

CO-No	DESCRIPTION
CO - 1	To expose the students about the behavior of cost & revenue concepts.
CO - 2	To figure out the various objective of the Firms-Traditional and Modern.
CO - 3	Students get knowledge of various market structures, analyze, & comprehend its relevance.
CO - 4	Students will apply various market behaviors to the real life market scenario such as - retailing, wholesale, pricing of various public utilities etc.
CO - 5	Having understood the various market structure they will understand the current knowledge of mergers & acquisition_ leading to rise of oligopolies
CO - 6	Students will be able to comprehend & evaluate various market structures & their impact on different state of society.

Name of the Course: STATISTICS FOR ECONOMICS

CO-No	DESCRIPTION
CO - 1	Organize, manage and present data
CO - 2	Analyze statistical data graphically using frequency distributions and cumulative frequency distributions.
CO - 3	Analyze statistical data using measures of central tendency, dispersion.
CO - 4	Calculate and interpret the correlation between two variables.
CO - 5	Calculate the simple linear regression equation for a set of data
CO - 6	Acquire knowledge on Index numbers and calculate an indices from given data
CO -7	Demonstrate understanding of the concepts of time series and its applications in different areas.

Name of the Course: INDIAN -ECONOMY

CO-No	DESCRIPTION
CO - 1	Students are exposed to know the basic structure of Indian economy, resource based growth and composition of economy.
CO - 2	Students will analyze the role of various sectors and their contributions in terms of growth income and development.
CO - 3	Having understood about the growth and distribution, students will be able to apply their knowledge to identify the sectors of priority.
CO - 4	Finally students will be able to understand the existing policies and need for policy changes so as to create reforms in the light of globalization

Name of the Course: INTERNATIONAL TRADE

CO-No	DESCRIPTION
CO - 1	Make out the basic difference between internal and international trade, and also understand that international trade is beneficial to acquire goods at cheaper cost.
CO - 2	Illustrate as how international trade acts as an instrument to growth, "International Trade - Engine to growth.
CO - 3	Explain how restrictions to international trade would retard the growth of the economy. CO4. Confirm that disequilibrium in the balance of payments would collapse the economy sometimes, so also suggests some measures to correct disequilibrium as well.
CO - 4	Understand how changes in the composition as well as direction of foreign trade have serious repercussions in the balance of payments
CO - 5	Recognize that a rise in international trade can make the nations rich and thereby control poverty.

Political Science Course out comes

Name of the Course: POLITICAL THEORY (Concepts, Theories, and Institutions)

CO-No	DESCRIPTION
CO - 1	Analysing what is Politics and explaining the approaches to the Study of Political Science – Normative, Behavioral, Post Behavioral, Feminist.
CO -2	Assessing the theories of State (Origin, Nature, Functions): Contract, Idealist, Liberal and Neo-Liberal Theories.
CO - 3	Explaining the Concept of State Sovereignty: Monistic and Pluralistic Theories. Analysing the changing concept of Sovereignty in the context of Globalisation.
CO - 4	Classification of David Held’s Democratic Theories.
CO - 5	Understanding basic concepts of Liberty, Equality, Rights, Law and Justice.
CO - 6	Assessing empirical Political Theory: System’s Analysis, Structural Functionalism.
CO - 7	Explaining Dialectical Materialism and Historical Materialism with special reference to relationship between base and superstructure.
CO -8	Describing the Marxist Approach to politics.

Name of the Course: GOVERNMENT AND POLITICS IN INDIA

CO-No	DESCRIPTION
CO - 1	Introducing the Indian Constitution with a focus on the role of the Constituent Assembly and examining the essence of the the Preamble.
CO -2	Examining the Fundamental Rights and Duties of Indian citizens with a study of the significance and status of Directive Principles.
CO - 3	Assessing the nature of Indian Federalism with focus on Union-State Relations
CO - 4	Critically analyzing the important institutions of the Indian Union: the Executive: President; Prime Minister, Council of Ministers; Governor, Chief Minister and Council of Ministers; The legislature: Rajya Sabha, Lok Sabha, Speaker, Committee System, State Legislature, The Judiciary: Supreme Court and the High

	Courts: composition and functions- Judicial Activism
CO - 5	Looking at the Constitutional Amendment Procedure with focus on the main recommendations of the Constitutional Review Commission (Venkatchalliah Commission)
CO - 6	Critically evaluating the Indian Party system - its development and looking at the ideology of dominant national parties
CO - 7	Evaluating the role of various forces on Indian politics: religion; language; caste; tribe; regionalism; business; working class and peasants

Name of the Course: INTERNATIONAL RELATIONS

CO-No	DESCRIPTION
CO - 1	Explaining scope and subject matter of International Relations as an autonomous academic discipline.
CO - 2	Approaches and methods to study the discipline through Political realism, Pluralism and Worlds system's Model.
CO - 3	Examining the issues of Underdevelopment, Terrorism, Regionalism and Integration that characterizes the Post second world war order.
CO - 4	Studying the role of Diplomacy, Propaganda and Military capabilities in the making of foreign policy.
CO - 5	Explaining certain basic concepts like Globalisation in contemporary world order.
CO - 6	Describing the Cold War phases and understanding the post Cold War era.
CO - 7	Discussing the developments in European Ethno-nationalism since 1990's. Tracing the growth of European Union

Name of the Course: WESTERN POLITICAL THOUGHT

CO-No	DESCRIPTION
CO - 1	Providing an insight into the dominant features of Ancient Western Political Thought: Ancient Greek political thought with focus on Aristotle and Plato; Roman Political Thought: its contributions with special emphasis on the emergence of Roman law.

CO -2	Examining the features of Medieval Political Thought
CO - 3	Evaluating the Renaissance; political thought of Reformation; and Machiavelli
CO - 4	Critically examining Bodin's contributions to the theory of Sovereignty; Hobbes as the founder of the science of materialist politics; Locke as the founder of Liberalism with focus on his views on natural rights, property and consent; and Rousseau's views on Freedom and Democracy; Bentham's Utilitarianism; and John Stuart Mill's views on liberty and representative government.
CO - 5	Taking an insight into the following: Hegel's views on Civil Society and State; Utopian and Scientific socialism: basic characteristics.
CO - 6	Examining the varieties of non-Marxist socialism: Fabianism, Syndicalism, Guild Socialism, German Revisionism.

Commerce Course Outcomes (Cos)

Course: Business Organisation

CO - No	DESCRIPTION
CO - 1	To make the students understand the basic concepts of trade, industry, commerce and functions of business.
CO - 2	To use the entrepreneurial skills acquired to start an enterprise and analyze pros and cons of various sources of finance.
CO - 3	To describe and analyse the various factors those influence the selection of sole proprietorship and partnership forms of business organizations.
CO - 4	To explain the significance of joint Hindu family business and the role of cooperative societies in the economy.
CO - 5	To make the students understand the importance of franchising.
CO - 6	To examine the procedural and legal aspects of Joint stock companies.

COURSE NAME: FINANCIAL ACCOUNTING

CO - No	DESCRIPTION
CO - 1	To distinguish different types of transactions, Bills of Exchange, Promissory Notes, Cheques and write necessary Journal Entries.
CO - 2	To understand the concepts of Consignment and the accounting treatment in the books of Consignor and Consignee.
CO - 3	To describe the Accounting treatment of Joint Ventures under different circumstances.
CO - 4	To help the students to prepare Departmental Accounts.
CO - 5	To acquire the knowledge of accounting system of Branch Accounts
CO - 6	To make the students lead their future life based on advanced accountancy.

COURSE NAME: PRINCIPLES OF MANAGEMENT

CO - No	DESCRIPTION
CO - 1	To understand the concepts and importance of management, functions of management and evolution of management theories.
CO - 2	To describe the nature and importance of planning, types of plan and the planning process.
CO - 3	To evaluate the need of organising the role of principles of the organisation and the pros and cons of structures.
CO - 4	To explain the concepts of staffing, directing, motivation including motivational models and leadership styles.
CO - 5	To assess the need of coordination and control including the scientific techniques and tools used.

COURSE NAME: BUSINESS ECONOMICS

CO - No	DESCRIPTION
CO - 1	To understand the fundamental concepts, features of market structures and price determination under perfect market competition in the short and long terms.
CO - 2	To explain the differences between monopoly and perfect market competition and types of monopoly, price and output determination in monopoly markets.
CO - 3	To explain the characteristics of imperfect markets price determination in monopolistic, oligopoly, duopoly markets.
CO - 4	To attain conceptual knowledge of national income, methods of estimating national income, different types of trade cycles and their impact on economy.
CO - 5	To describe the role of international trade, WTO, IMF and the importance of balance of payments and balance of trade.

COURSE NAME: ADVANCED ACCOUNTING -I

CO - No	DESCRIPTION
CO - 1	To acquire basic knowledge on single entry system of accounting.
CO - 2	To construct and analyse the Financial Statements of Non-Trading concerns
CO - 3	To apply the acquired knowledge on preparation of partnership accounts covering admission, retirement and dissolution of the partners.
CO - 4	To prepare and analyse final accounts of partnership organisation.
CO - 5	To describe the modes of dissolution and accounting treatment.

COURSE NAME: BUSINESS LAW

CO - No	DESCRIPTION
CO - 1	To understand the concept of Indian contract agreement, essentials and classification of contracts.
CO - 2	To identify the essentials of consideration and free consent including rules regarding the minor agreement.
CO - 3	To examine the circumstances and the objects which can be considered as unlawful and void
CO - 4	To explain the various modes of Discharge of Contract and Remedies for Breach of Contract.
CO - 5	To discuss the provisions relating to sale of goods act such as contract of sale, terms and conditions, and warranty.

COURSE NAME: BUSINESS STATISTICS-I

CO - No	DESCRIPTION
CO - 1	To describe the nature, scope and importance of business statistics.
CO - 2	To understand the methods of primary and secondary data collection, data classification and data presentation with graphs.

CO - 3	To apply Measures of Central Tendency, like Arithmetic mean, Geometric Mean and Harmonic Mean.
CO - 4	To execute Positional Averages such as Median, Quartiles, Deciles, Percentiles and Mode.
CO - 5	To use the methods of measuring Dispersion like Range, Mean Deviation, Quartile Deviation, Standard Deviation and Coefficient of Variation.
CO - 6	To provide the fundamental statistical knowledge which is very essential to be a successful business person.

COURSE NAME: ADVANCED ACCOUNTING II

CO - No	DESCRIPTION
CO - 1	To acquire knowledge on the procedural aspects of issue of shares and Accounting treatment.
CO - 2	To understand the concept of debentures, types, issue and redemption.
CO - 3	To prepare company balance sheet.
CO - 4	To explain the need and importance of financial statement and calculate profit before and after incorporation.
CO - 5	To acquire knowledge about the various books and registers maintained by the banks and prepare Profit & Loss and Balance sheet as per schedule IV.

COURSE NAME: BUSINESS STATISTICS-II

CO - No	DESCRIPTION
CO - 1	To understand the concept and application of Skewness.
CO - 2	To apply the knowledge acquired on co-relation Techniques.
CO - 3	To differentiate between co-relation and Regression and study the relationship of dependent and independent variables using Regression Co-efficient.

CO - 4	To describe features and importance of Index Numbers and the methods of construction of Index Numbers.
CO - 5	To explain the concept of Time Series and the Methods of Measurement of Trends.

COURSE NAME: COMPUTERISED ACCOUNTING

CO - No	DESCRIPTION
CO - 1	To compare the differences between manual accounting and Computerised accounting.
CO - 2	To develop skills to master the practical aspects of Computerised accounting.
CO - 3	To prepare Final accounts of Sole traders and maintain other registers and reports pertaining to accounts and with Inventory.

COURSE NAME: CORPORATE ACCOUNTING

CO - No	DESCRIPTION
CO - 1	To acquire knowledge on methods of valuation of goodwill.
CO - 2	To acquire the skills required for the accounting treatment pertaining to valuation of shares and Bonus shares.
CO - 3	To acquire the Knowledge on the Accounting methods of Amalgamation and merging.
CO - 4	To write Journal Entries and prepare Balance sheet after Reconstruction

COURSE NAME: COST ACCOUNTING

CO - No	DESCRIPTION
CO- 1	To get the students understand the difference between Financial Accounting, Cost Accounting, and Management Accounting, the advantages and disadvantages of Cost Accounting.
CO - 2	To construct and analyse the statement of Cost Sheet
CO - 3	To select different methods of pricing for Issues of Materials

CO - 4	To design wage payment methods and discuss various aspects relating to Labour cost
CO - 5	To compute problems relating to Allocation, Apportionment and Absorption of Overheads.

COURSE NAME: INCOME TAX-I

CO - No	DESCRIPTION
CO - 1	To define the various tax related concepts and calculate tax liability of individuals.
CO - 2	To list out the provisions relating to residential status of assesses and compute the incidence of tax.
CO - 3	To recall provisions relating to allowances, such as tax free partly taxable, fully taxable and compare different provident funds.
CO - 4	To identify perquisites - taxable, tax free - profits in lieu of salary, and compute income from salary.
CO - 5	To state the provisions relating to computation of income from house property under different types.

COURSE NAME: HUMAN RESOURCE MANAGEMENT

CO - No	DESCRIPTION
CO - 1	To list out the objectives and functions of HRM including careers in HRM.
CO - 2	To describe the need for Human Resource Planning and the process of Human Resource Planning.
CO - 3	To evaluate different sources of recruitment and selection procedure.
CO - 4	To design HRD appraisal methods, training methods and career planning.
CO - 5	To evaluate the recent trends in HRM - National and international including challenges of HRM.

COURSE NAME: COMMERCE LAB

CO - No	DESCRIPTION
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CO - 1	To enhance the practical knowledge towards legal documentation for companies.
CO - 2	To gain knowledge on various banks forms required for banking and insurance.
CO - 3	To acquire the technical skills of various forms in Taxation for filing IT returns.

COURSE NAME: INCOME TAX-II

CO - No	DESCRIPTION
CO - 1	To compute income from business and Professional and calculate depreciation.
CO - 2	To define the concept of capital gains and compute taxable income from capital gains using CII and capital gains exemptions.
CO - 3	To list out the incomes from other sources and Compute the taxable income.
CO - 4	To explain the role of Income Tax authorities, list the deductions from GTI under Sec 80 and compute total income using provisions of set off and carry forward
CO - 5	To describe the procedure associated with filing of returns.

Mathematics Course Outcomes

Name of the Course: Differential Calculus

CO-No	DESCRIPTION
CO - 1	Demonstrate concepts of successive and partial differentiation.
CO -2	Achieve the knowledge of calculating higher order derivatives.
CO - 3	Find maxima and minima of functions of two variables
CO - 4	Understand the concept of involute and envelope of curves.

Name of the Course: Differential Equations

CO-No	DESCRIPTION
CO - 1	Identify the types of ordinary differential equations.
CO -2	Apply suitable methods for solving first order and second order differential equations.
CO - 3	Applications of first order differential equations
CO - 4	Form and solve partial differential equations of first order.

Name of the Course: Real Analysis

CO-No	DESCRIPTION
CO - 1	Recognize the basic properties of Real Number System.
CO -2	To know the convergence of sequences and series
CO - 3	Understanding continuous functions
CO - 4	Understanding mean value theorems
CO -5	Understanding Rimann integration and properties.

Name of the Course: Algebra

CO-No	DESCRIPTION
CO - 1	Analyse the properties of groups and rings.
CO -2	Apply Lagrange's Theorem to analyze the cyclic subgroups of a group.
CO - 3	Explore the concepts of isomorphism and homomorphism for groups and rings.
CO - 4	Prove standard theorems in groups and rings.

CO - 5	Demonstrate examples for ideals and quotient rings.
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Name of the Course: Linear Algebra

CO-No	DESCRIPTION
CO - 1	Define vector space and subspace
CO - 2	Understand the concept of basis and dimension of the vector space
CO - 3	Describes coordinates of a vector relative to a given basis
CO - 4	Discuss spanning sets s for vectors
CO - 5	Use characteristic polynomial to compute eigen values and eigenvectors
CO - 6	Explain the relationship between the row space and column space of a matrix

Name of the Course: Solid Geometry

CO-No	DESCRIPTION
CO - 1	To understand geometrical terminology for sphere, cones, conchoid and cylinder.
CO - 2	Able to recognize line and rotational symmetries.
CO - 3	Use geometric results to determine unknown angles.
CO - 4	Get basic knowledge about circle, cone, sphere, conchoid and cylinder.

Name of the Course: Vector Calculus

CO-No	DESCRIPTION
CO - 1	Evaluate line integrals.
CO - 2	Evaluate surface and volume integrals.
CO - 3	Understanding Gradient , Divergence and Curl
CO - 4	Physical interpretation divergence and Curl (identify solenoidal and irrotational vectors.)

Name of the Course: Numerical Analysis

CO-No	DESCRIPTION
CO - 1	To understand of common numerical methods and how they are

	used to obtain approximate solution to equations
CO - 2	To establish the limitations, advantages and disadvantages of numerical analysis.
CO - 3	To derive numerical methods for various mathematical operations and tasks, such as interpolation, differentiation, integration.
CO - 4	Usages of Scientific calculator.

Name of the Course: Differential and Integral calculus

CO-No	DESCRIPTION
CO - 1	Define ordinary and partial differential equation.
CO - 2	Understand Euler's theorem for homogeneous functions
CO - 3	Find radius of curvature and centre of curvature.
CO - 4	Find maxima and minima of function of two variables.
CO - 5	Evaluate the volume of solids using cross sections.
CO - 6	Evaluate the area of surfaces of revolution.
CO - 7	Calculate the length of an arc of a curve when whose equations are given in parametric and polar form.

Physics Course Outcomes

Name of the Course: Thermal Physics

CO-No	DESCRIPTION
CO - 1	Differentiate the terms heat and temperature and measure temperature using thermometer and convert
CO - 2	Understand specific heat capacity of gas and the different theories on specific heat capacity
CO - 3	Differentiate between principles and methods to produce low temperature, liquefy air, helium and hydrogen
CO - 4	Define postulates of kinetic theory of gases and arrive at theorem of equipartition of energy and derive Van der Waal's equation.
CO - 5	Define different thermal processes and understand laws of thermodynamics and identify its outcomes
CO - 6	Derive Curvilinear coordinates and differential operators in cylindrical and spherical coordinates.

Name of the Course: Mechanics and Oscillations

CO-No	DESCRIPTION
CO - 1	Understand vector calculus in three dimensions and derive Gauss theorem, Stoke's theorem and Green's theorem.
CO - 2	Describe conservation of energy, work, force, linear momentum and angular momentum
CO - 3	Learn the fundamentals of harmonic oscillator model, including damped and forced oscillators
CO - 4	Understand vector calculus in three dimensions and derive Gauss theorem, Stoke's theorem and Green's theorem.

Name of the Course: Waves and Optics

CO-No	DESCRIPTION
CO - 1	Calculate wavelength difference and fringe width from the interference pattern.
CO - 2	Explain diffraction pattern and calculate dispersive power of the

	grating
CO - 3	Analyze different types of polarized light.
CO - 4	Explain the phenomenon of diffraction and interference of light.

Name of the Course: Electromagnetic theory

CO-No	DESCRIPTION
CO - 1	Distinguish between magnetic effect of electric current and electromagnetic induction and to apply the related laws in appropriate circumstances
CO - 2	Demonstrate magnetic field of electric current/ electromagnetic induction through proper understanding
CO - 3	Compare the principles and working of different types of galvanometer
CO - 4	Apply and analyze the behavior of ac/ dc circuits based on L,C and R
CO - 5	Understand the unification of electric and magnetic fields and Maxwell's equations governing EM waves

Name of the Course: Modern Physics

CO-No	DESCRIPTION
CO - 1	Understand the emergence of quantum concept Explain symmetry elements and Bravais lattice
CO - 2	Distinguish between different photo devices and working
CO - 3	Understand different atom models

Name of the Course: Electronics

CO-No	DESCRIPTION
CO - 1	Have basic knowledge of semiconductor diode, rectifier and filter circuits.
CO - 2	Understand transistor biasing and working principle of Amplifiers.
CO - 3	Explain feedback and oscillatory circuits.

CO - 4	Explain I-V characteristics of a p-n junction diode/ zener diode.
CO - 5	Solve simple logic circuits.

Name of the Course: Nuclear and Particle Physics

CO-No	DESCRIPTION
CO - 1	Explain nuclei properties, compare a drop of liquid with that of a nucleus and understand Shell model
CO - 2	Describe basic radioactivity, calculate half-lives and understand radiation hazards

Chemistry Course Outcomes (Cos)

Name of the Course: Chemistry - I

CO - No	DESCRIPTION
CO - 1	Remember the fundamental principles of chemistry
CO -2	Understand the basic terminology of chemistry
CO - 3	Evaluate the characteristics Group 1,2,13,14 & 15 elements
CO - 4	Understand the nomenclature of organic molecules based on IUPAC system, reaction mechanisms
CO - 5	Understand the Atomic structure, Gas laws & properties of liquids
CO - 6	Predict chemical bonding and molecular geometry & related theories
CO - 7	Evaluation of analytical data

Name of the Course: Chemistry - II

CO - No	DESCRIPTION
CO - 1	Predict chemical bonding and geometries & chemical properties of compounds related to p - block elements.
CO - 2	Understand the characteristics d-block elements
CO - 3	Understand the concept of aromaticity & orientation of aromatic substitution
CO - 4	Remember the preparation & properties of alkyl halides
CO - 5	Determine the various colligative properties
CO - 6	Understand the laws of Crystallography
CO - 7	Understand the Theories of Inorganic Quantitative Analysis
CO - 8	Understand the theories of bonding in metals & classification of materials

Name of the Course: Chemistry - III

CO - No	DESCRIPTION
CO - 1	Understand general properties of f-block elements
CO -2	Analyse the Symmetry operations & Symmetry elements
CO -3	Describe the physical properties of solvents
CO - 4	Analyse the preparation and properties of alcohols, phenols & carbonyl compounds

CO - 5	Remember the phase rule & understand the phase diagram
CO - 6	Applications of Colloids
CO - 7	Distinguish the absorption & adsorption; Physical adsorption & Chemical adsorption
CO - 8	Understand the definition of terms of stereochemistry

Name of the Course: Chemistry - IV

CO-No	DESCRIPTION
CO - 1	Explain the nomenclature, theories of coordination Compounds and isomerism
CO - 2	Understand the metal carbonyls
CO - 3	Applications of organometallic compounds
CO - 4	Describe the Preparation and properties of Carboxylic acids & Nitro Hydrocarbons
CO - 5	Evaluate the mechanistic pathway of chemical reactions
CO - 6	Understand the terminology of Electrochemistry and theories of electro chemistry
CO - 7	Applications of EMF measurements
CO - 8	Discuss the types of pericyclic reactions
CO - 9	Understand the terms of Synthetic Strategies purpose & importance of asymmetric synthesis

Name of the Course: Chemistry, Sem. - V, Paper - V

CO-No	DESCRIPTION
CO - 1	Describe the Crystal Field Theory
CO - 2	Applications of coordination compounds
CO - 3	Determine the structure of boranes & carboranes by using Wade's Rule
CO - 4	Understand the nomenclature of Amines based on IUPAC system, preparation methods and properties of amines
CO - 5	Recognize the classification, preparation and properties of heterocyclic Compounds
CO - 6	To deduce the expressions of rate constant
CO - 7	Enumerate the methods employed in determining the order of a reaction

CO - 8	Understand the spectroscopic techniques
CO - 9	Understand the laws of photochemistry

Name of the Course: Chemistry, Sem. -V - Instrumental methods of analysis, Paper - VI

CO - No	DESCRIPTION
CO - 1	Understand the principle & methods of solvent extraction
CO -2	Classify the chromatography techniques
CO - 3	Analyze the factors affecting chromatography
CO - 4	Understand the principle & methods of Column Chromatography and ion exchange chromatography
CO - 5	Elucidate HPLC
CO - 6	Understand the laws of photochemistry
CO - 7	Understand the principles of Potentiometry & Voltammetry

Name of the Course: Chemistry, Sem .- VI, Paper - VII

CO - No	DESCRIPTION
CO - 1	Elucidate the ligand substitution reactions
CO -2	Describe the trans effect
CO - 3	Applications of HSAB principles
CO - 4	Understand the Biological significance of essential elements
CO - 5	Understand the Classification , nomenclature of Carbohydrates, and structure elucidation of glucose & Fructose
CO - 6	Understand the methods of synthesis of α -amino acids & physical propertie
CO - 7	Evaluate the structures of peptides
CO - 8	Illustrate the different types of systems using thermodynamics
CO - 9	Calculate the various kinds of energy
CO - 10	Understand the principle, rules of PMR & Mass spectrometry
CO - 11	Compare the entropy changes of different processes

Name of the Course: Chemistry, Sem. - VI, Medicinal chemistry - paper - VIII

CO-No	DESCRIPTION
CO - 1	Remember the terminology of medicinal chemistry & classification of drugs
CO - 2	Describe the ADME
CO - 3	Determine the rate of enzymatic reactions
CO - 4	Illustrate the mechanism of Drug action
CO - 5	Describe the Drug action - receptor theory
CO - 6	Discuss about Chemotherapeutics
CO - 7	Describe about Hormones & Neurotransmitters
CO - 8	Classify the vitamins
CO - 9	Discuss about the deficiency disorders & remedy of Vitamins
CO - 10	Describe about the Micronutrients(Na,K,Ca,Cu,Zn & I)

Botany Course Outcomes (Cos)

Name of the Course: Microbiology, Algae, Fungi and Lichens

CO-No	DESCRIPTION
CO - 1	Gain knowledge about Bacteria, Virus and some other microbes
CO -2	Ability to identify lower forms of plants such as algae and fungi
CO - 3	Gain knowledge to differentiate pathogenic and non-pathogenic forms of algae and fungi
CO - 4	Identification of various types mentioned in the syllabus from fresh / preserved specimens and prepared slides.
CO - 5	Knowledge on the structure of lichens
	knowledge about life cycles of Bryophytes and Pteridophytes

Name of the Course: Gymnosperms, Taxonomy of Angiosperms and Ecology.

CO-No	DESCRIPTION
CO - 1	Gain knowledge about structure (Morphology and anatomy) and reproduction of Gymnosperms
CO -2	Identify the importance of fossils and fossilization process
CO - 3	Obtain knowledge in various fossil forms
CO - 4	Gain knowledge of vascular plants and their classification.
CO - 5	Understand the economic importance of different plants

Name of the Course: Plant anatomy and Embryology

CO-No	DESCRIPTION
CO - 1	Gain knowledge about plant cells, tissues and their functions.
CO -2	Identify and compare internal structural differences among different taxa of angiosperm.
CO - 3	Understand the secondary growth patterns of root and stem.
CO - 4	Know the structure and development of male and female gametophyte.
CO - 5	Gain knowledge about process of fertilization.
CO - 6	To compare the functions and morphological characters of monocot and dicot embryos

Name of the Course: Cell Biology and Plant Physiology

CO-No	DESCRIPTION
CO - 1	Students will be able to understand the various physiological life processes in plant
CO -2	They will also gain about the various uptake and transport mechanisms in plants and are able to coordinate the various processes. They understand the role of various hormones,
CO - 3	signaling compounds, thermodynamics and enzyme kinetics.
CO - 4	During the course students will gain knowledge about various mechanisms such as channel or transport proteins involved in nutrient uptake in plants.

Name of the Course: Cell Biology & Genetics

CO-No	DESCRIPTION
CO - 1	They understand the pattern of inheritance in various lifeforms.
CO -2	They develop a strong fundamentals basics for further molecular studies.
CO - 3	Understand the external membranous structure and function of living cell
CO - 4	Understand the secondary growth patterns of root and stem.
CO - 5	Understand the secondary growth anomalous structures in plants

Name of the Course: Ecology and Bio Diversity

CO-No	DESCRIPTION
CO - 1	To have knowledge on concepts and components of Ecosystem.
CO -2	To understand the role that biodiversity plays in conservation science.
CO - 3	To identify diversity of life forms in an ecosystem.
CO - 4	To understand ecological relationships between organisms and their environment.
CO - 5	To explain community ecology & dynamics

Name of the Course: Plant Physiology

CO-No	DESCRIPTION
CO - 1	To understand plant physiological processes and metabolism.
CO -2	To explain the role of micro nutrients in plant growth and development.
CO - 3	To relate photosynthesis with the formation of primary and secondary metabolites.
CO - 4	To clarify the physiology of flowering & photo periodism.
CO - 5	To have knowledge of stress physiology.

Name of the Course: Tissue culture and Bio technology

CO-No	DESCRIPTION
CO - 1	To explain the main techniques of in vitro culture of plant cells &tissues.
CO -2	To know the methods used for the bio-production of plant secondary metabolites.
CO - 3	To have knowledge of basic concept of gene cloning& enzymes involved in it.
CO - 4	To Know the main techniques of genetic manipulation of plant organisms.
CO - 5	To explain the production of transgenic plants

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Zoology Course Outcomes (COs)

Name of the Course: Invertebrate Zoology

CO-No	DESCRIPTION
CO - 1	Describe common and distinctive features of invertebrate organisms including protozoans, poriferans, coelenterates, platyhelminthes and nematodes
CO -2	Explain phylogenetic relationships between the phyla covered
CO - 3	Discuss important concepts in invertebrate organization including body symmetry, body cavity, gut formation and segmentation
CO - 4	Describe important biological processes in invertebrates including locomotion, body support, feeding and digestion, excretion and osmoregulation, respiration, circulation, sensory perception and behavior reproduction and development
CO - 5	Discuss the parasitic, ecological adaptation and economic importance of invertebrates

Name of the Course: Ecology, Zoogeography and Animal Behavior

CO-No	DESCRIPTION
CO - 1	To Describe Environmental Pollution and its control measures
CO -2	To understand methods of wildlife and conservation and endangered species
CO - 3	To describe Innate and Acquired types of behavior
CO - 4	To identify Zoogeographical regions with their climatic and faunal peculiarities
CO - 5	Classify the hotspots of India
CO - 6	List the national parks and sanctuaries of India

Name of the Course: Cell Biology

CO-No	DESCRIPTION
CO - 1	Understand different types of microscopic techniques and sample processing to label and identify subcellular structures in fixed and live cells

CO -2	Describe the structure and functions of the plasma membrane, transport across cell and cell-cell communication
CO - 3	Portray the intricate relationship between various cellular structures and their corresponding functions
CO - 4	Be able to describe the structure and functions of nucleus with reference to special chromosomes
CO - 5	Research specific scientific topics and present the information to peers classification

Name of the Course: Genetics

CO-No	DESCRIPTION
CO - 1	Be able to explain how DNA provides a mechanism for heredity
CO -2	Understand structure of nucleic acids and basic concepts of protein synthesis
CO - 3	Describe the molecular mechanisms behind DNA replication in prokaryotes and eukaryotes
CO - 4	Comprehend RNA synthesis and processing, and protein synthesis
CO - 5	Apply basic concepts of cell and molecular biology to relevant problems

Name of the Course: Physiology & Biochemistry

CO-No	DESCRIPTION
CO - 1	Understand the chemical nature and functions of biological macromolecules
CO -2	Knowledge on the metabolism of biomolecules
CO - 3	Firm foundation in the fundamentals and application of biomolecules
CO - 4	Describe and predict the atomic structure, chemical bonding and the acid- base reactions
CO - 5	Have basic information on enzymes

Name of the Course: Aquaculture

CO-No	DESCRIPTION
CO - 1	Describe the different types of fishing gears
CO - 2	Explain the various types of fish farms, designing, construction and management
CO - 3	Know and understand to manage waste water in aquaculture production systems
CO - 4	Construct, manage and maintain a fish aquarium
CO - 5	Identify the different types of ornamental fishes

Name of the Course: Immunology & Animal Bio-Technology

CO-No	DESCRIPTION
CO - 1	Describe the basic mechanisms, distinctions and functional interplay of innate and adaptive immunity
CO - 2	Apply immunologic techniques to solve certain clinical and research problems
CO - 3	Identify the role of antigen presenting cells, lymphocytes, and phagocytic cells in immune responses
CO - 4	Elucidate the relationship between major cellular and molecular components of the immune system.
CO - 5	Describe the basic structure of the cellular receptors and discuss their interactions during an immune response.

Computers Course Outcomes (COs)

Name of the Course: Programming in C

CO-No	DESCRIPTION
CO - 1	Obtain knowledge to Design an algorithm and draw flowcharts
CO -2	Attain knowledge about the fundamentals of programming.
CO - 3	Trained skill to solve problems through programming environment for simple applications.
CO - 4	Understand the use of Arrays, functions, pointers, structures and unions.
CO - 5	Gain knowledge about the basics of file handling mechanism.

Name of the Course: Programming in C++

CO-No	DESCRIPTION
CO - 1	Apply object oriented principles for problem solving
CO -2	Design programs with classes and objects
CO - 3	Adopt polymorphism mechanism
CO - 4	Attain reusability through Inheritance
CO - 5	Explore the ease of C++ Programming

Name of the Course: Programming in Java

CO-No	DESCRIPTION
CO - 1	Apply the salient features of Java programming.
CO -2	Identify classes, objects, members of a class and relationship among them to solve a specific problem.
CO - 3	Develop client side programming using Applet and AWT
CO - 4	Implement packages to solve the complex problems and applying exceptional handling mechanisms
CO - 5	Recall the principles and practice of object oriented concepts in the construction of robust, maintainable programs.

Name of the Course: Database Management Systems

CO-No	DESCRIPTION
CO - 1	Master the basic concepts and applications of database systems.
CO -2	Mater sound design principles for logical design of databases, ER

	models.
CO - 3	Understanding the rules of Normalization for designing a good database.
CO - 4	Master the basics of SQL and construct queries using SQL. Be familiar with a commercial relational database system (Oracle) by writing SQL using the system.
CO - 5	Be familiar with basic database storage structures and access techniques: file and page organizations, indexing methods including B-tree, and hashing.
CO - 6	Be familiar with the relational database theory, and be able to write relational algebra expressions for queries.

Name of the Course: Web Programming

CO-No	DESCRIPTION
CO - 1	Apply a structured approach to identify needs, interests, and functionality of a website
CO - 2	Different ways to select and style HTML elements using CSS
CO - 3	Different ways to select and style HTML elements using CSS
CO - 4	Students are able to develop a dynamic web page by the use of java script and DHTML
CO - 5	HTML tags and how to use them to start building your web pages
	Students will be able to write a well formed/valid XML documents
	Create an active server application using personal web server

Name of the Course: Fundamental of Information Technology

CO-No	DESCRIPTION
CO - 1	Apply basics of computers in daily life
CO - 2	Be able to understand classification of computers and parts of computers.
CO - 3	To understand what computer memory is like and various types of memory
CO - 4	Work with Boolean expressions and Boolean algebra and their representations

CO - 5	Understand various types of computer software and acquiring them
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Name of the Course: Relational Database Management Systems

CO-No	DESCRIPTION
CO - 1	Become familiar with the database management systems
CO -2	Understand the functional dependencies and design of the relational database
CO - 3	Master the basics of SQL and construct queries using SQL.
CO - 4	Design a relational database schema using SQL for a given problem-domain.
CO - 5	Understand the concept of concurrency control of database processing

Name of the Course: PHP and My SQL

CO-No	DESCRIPTION
CO - 1	Understand the general concepts of PHP scripting language for the development of Internet websites
CO -2	Use PHP logical and comparison operators, branching structures (if/switch), and loop structures (for, for each, do, do/while)
CO - 3	Build database using MySQL for the required applications.
CO - 4	Construct PHP program to connect and query database.
CO - 5	Understand, analyze and build web applications using PHP.

Name of the Course: E-Commerce

CO-No	DESCRIPTION
CO - 1	Explain the components and roles of the Electronic Commerce environment.
CO -2	Analyze the impact of E-commerce business models and internet technologies.
CO - 3	Illustrate the current challenges and security issues in e-commerce.
CO - 4	Understand Web marketing approaches and elements of branding.
CO - 5	Enumerate the major types of social networks, auctions and

	portals
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Name of the Course: Multimedia Applications

CO-No	DESCRIPTION
CO - 1	Can design Web pages, Animated banner, Broucher for Conferences, Cards for any events.
CO -2	Gains knowledge of filtering techniques using transformations.
CO - 3	Design wallpaper using color balancing, watermarking and blending modes.
CO - 4	Able to create cartoon movies with voice buttons.
CO - 5	Can create Stickman and photo gallery slideshow

Name of the Course: Design and Analysis of Algorithms

CO-No	DESCRIPTION
CO - 1	Understand the basic techniques for designing algorithms.
CO -2	Evaluate and estimate the performance of the algorithms.
CO - 3	Select the appropriate algorithm to solve a problem by considering the problem characteristics.
CO - 4	Construct efficient algorithms for simple computational tasks.
CO - 5	Compare parallel algorithms with respect to time and space complexity.

Name of the Course: Information Technology

CO-No	DESCRIPTION
CO - 1	Understand basic concepts and terminology of information technology
CO -2	Have a basic understanding of personal computer.
CO - 3	Acquire knowledge about generation of computers and types of computers.
CO - 4	Know about hardware/ software methods and tools.
CO - 5	Know about different versions in windows operating system.

Name of the Course: Fundamentals of computers

CO-No	DESCRIPTION
CO - 1	Apply basics of computers in daily life
CO -2	Be able to understand classification of computers and parts of computers
CO - 3	To understand what computer memory is like and various types of memory
CO - 4	To understand various number systems their representations
CO - 5	Work with Boolean expressions and Boolean algebra and their representations

Name of the Course: Data Structure and File Processing

CO-No	DESCRIPTION
CO - 1	Ability to explain the basic operations on linear structures such as arrays, stacks, queues and linked lists
CO -2	Ability to explain the concept of non linear structures such as trees and graphs
CO - 3	Ability to explain and Evaluate search techniques
CO - 4	Ability to explain sorting algorithms
CO - 5	Develop and execute code for various sorting and search techniques.

Name of the Course: Visual Programming

CO-No	DESCRIPTION
CO - 1	Understand and use the basic VB programming concepts, working with controls and MDI interface.
CO -2	Apply the concepts of Object Linking and Embedding in designing GUI programs.
CO - 3	Implement ODBC, DAO,RDO and ADO for database connectivity.
CO - 4	Develop programs with ActiveX controls and ActiveX DLLs.