



S.G.GOV'T. DEGREE COLLEGE

(Affiliated to Sri Venkateswara University, Tirupati)

Piler, Annamayya Dist. A.P.



CRITERIA - II

2.6.1. POs, COs & SPOs

1. COs

2. POs

3. SPOs


PRINCIPAL
S.G. Govt. Degree College
Piler, Chittoor(Dt)

Course Outcomes

Course Name	CO Number	Course Outcome
ENGLISH		
ENGLISH,POETRY, PROSE, FURTHER READING AND LANGUAGE USAGE	CO1	To identify various forms and types of early Indian poetry
	CO2	To learn, to read,analyse and appreciate poetry critically
	CO3	To be able to analyse and appreciate Indian Dramaatic techniques, characterization and contemporary themes
	CO4	To recognise the infuence of British short story on the Indian Short Story and its unique features.
INDIAN WRITING IN ENGLISH - II	CO1	To understand modern view of feminism as depicted in Indian English poetry
	CO2	To Understand the power politics which is charcacterised by vilence,corruption in Vijay Tendulkar's Drama
	CO3	To understand the theme of alienation in Mulk Raj Anand's Untouchable
	CO4	To understand the multiculturalism in the short Story
ENGLISH,POETRY, PROSE, FURTHER READING AND LANGUAGE USAGE	CO1	To Study various Indian English Poets,their mottos and works
	CO2	To understand the Indian Philosophy in Tagore's plays
	CO3	To understand the impact of History on IndianEnglish Novel of the pre-independence era
	CO4	To understand the humour and nativity in R.k.Narayan's Novels
COMMUNICATION AND SOFT SKILS -I	CO1	To build an elementary understanding of form,meaning and use in various discourse settings

	CO2	To understand and apply the conventions of academic writing in English
	CO3	To use grammatical structures accurately
	CO4	To identify main ideas of a text
COMMUNICATION AND SOFT SKILLS - II	CO1	To use basic grammatical structure in short conversations and discussions
	CO2	To practice the grammar skills involved in writing sentences and short paragraphs
	CO3	To demonstrate consistent and appropriate language use in extended conversations and discussions
	CO4	To make inferences and predictions based on information in the text
COMMUNICATION AND SOFT SKILLS -III	CO1	To evaluate learning and performance, and set goals for progress
	CO2	To use communication strategies to participate in classroom discussions
	CO3	To demonstrate behaviour and attitudes appropriate to a work environment
	CO4	To use digital literacy tools to develop listening skills
TELUGU		
PRACHEENA PADYA BHAGAM-VYAKARANAM	CO1	To realize the impact of values, culture, and religion on life and literature in the ancient period by going through ancient Telugu literature
	CO2	To be able to understand the distinction between the ancient and modern grammar and the value given to stylistics, metre, rhythm, and musical quality
	CO3	To be able to understand the difference between the works of different classical poets, their works and their impact on the community.
	CO4	To master the basic rules of grammar of the classics and locate the same in the poetry selections.

	CO5	To acknowledge the beauty of nature through figures of speech. To receive the rhyme and rhythm by prosody
ADUNIKA SAHITYAM	CO1	To understand the distinction between the classical and modern styles of writing poetry and the efforts to come out from the clutches of metre, rhyme, rhythm etc. to reach out to the common man.
	CO2	To understand the beauty of creative poetry and poetry of imagination with common themes such as the literature of the downtrodden and the oppressed classes
	CO3	To have ecological awareness through the description and analysis about characteristics of plant
	CO4	To be aware of social evils such as suppression of women, plight of widows, etc. in our traditional society
	CO5	To be aware of equality men and women, work distribution, dignity of labour in home, to know how the spoil the traditional arts and employment
Telugu Ancient and Modern Poetry Prose and Alankaras	CO1	To acquire knowledge of the Alankaras (prosody) in the ancient literary texts
	CO2	To understand the use of Alankaras through comparative study of the poetry lessons
	CO3	To analyse the literary texts to know how the ancient poetry given prominence to Alankaras and how the texts gave significance to prosody.
	CO4	To apply the acquired knowledge of Prosody in analysing the ancient poetry works
	CO5	To acknowledge the beauty of nature through figures of speech and to receive the rhyme, and rhythm by prosody

HISTORY

INDIAN HISTORY AND CULTURE (FROM EARLIEST TIME TO 647 AD)	CO1	To gain basic Knowledge about the Indian History and Culture and Geographical Features of India
	CO2	To observe the changes between pre Historic time to Historic time critically
	CO3	To do analysis of Political system from Vedic Period to Later Guptas
	CO4	To understand the differences of socio Religious conditions from Muryas to later guptas with special reference to Position of Women in Epic Age

MEDIVAL INDIAN HISTORY AND CULTURE FROM 647 TO 1526 AD	CO1	To Identify the different styles of Architecture from Pallavas to Vijayanagara period
	CO2	To observe the Administrative Structures from Cholas to Vijayanagara period
	CO3	To understand the political and Administrative Structure of Delhi Sultanates period
	CO4	To do a Comparative study of Indo Islamic Culture and position of Women and Hindu & Muslim Society
INDIAN HISTORY AND CULTURE FROM 1526 TO 1857 AD	CO1	To have knowledge on the historical sources of Medieval period
	CO2	To understand the differences of Administrative Structures from Moghals to British period
	CO3	To have thorough knowledge on the Moghul Architecture style
	CO4	To analyse how the British Empire expanded through out India and its Impact and special reference to Sir Author Cotton
MODERN INDIAN HISTORY AND CULTURE FROM 1857 TO 1950 AD	CO1	To understand the causes for the revolts of peasants, Tribes and Sepoys in 19th Century
	CO2	To understand the ways of introduction of the English Education system and its impact on Indian Society
	CO3	To Acquire Knowledge of Freedom Movement, different phases in the Movement, and to understand the patriotic and Nationalistic spirit of the freedom fighters
	CO4	To Know the progress of Freedom Movement in India and special reference to Local Women Freedom Fighters
EARLY MODERN WORLD HISTORY (1453 TO 1815 AD)	CO1	To understand the Renaissance and Reformation Movement in Modern Europe
	CO2	To observe the emergence of National States
	CO3	To analyse the Revolutionary Age in Europe and its global impact
	CO4	To Acquire Knowledge about Napoleon Era and special reference to Eastern Question from 1875 AD.

HISTORY AND CULTURE OF MODERN ANDHRA (FROM EARLEST TIME TO 1857 AD)	CO1	To understand the Political conditions from Various dynasties of Andhra they inspired by the great peoples History to build up their Character
	CO2	To make a Comparative study of Traditions & Cultures of Qutub Shahis and Asaf Jahis
	CO3	To analyse the socio,cultural, and politcal situation in the Andhra under colonial rule
	CO4	To observe the Impact of Industrial Revolution in Andhra and special reference to Cotton Irrigation Policiy in Andhra
MODERN WORLD HISTORY 1816 TO 1945 AD	CO1	To comparative study of Industiral Revolution befor and after in Europe
	CO2	To analyse the Unification Movements in europe
	CO3	To observe the causes and consiquences of Two World wars
	CO4	To acquire Knowledge of UNO and its Functions and special reference to Indo-Pack relations from 1945 to 1971 AD
	CO1	To Observe the Cold War & USSR relations with East European Countries
CONTENPORARY HISTORTY OF WORLD	CO2	To acquire knowledge about the emergency of III World
1945 to 2000 AD	CO3	To understand the conflicts in the Middle East Countries
	CO4	To analyse the end of cold war & study of Globlisation
HISTORY AND CULTURE OF MODERN ANDHRA PRADESH FROM 1858 TO 1956 AD	CO1	To appreciate the Socio Religious Movement in Andhra special reference to Kandukuri
	CO2	To observe the Vandemataram Movement in Andhra special reference to Arts College Incident
	CO3	To make a Comparative study of three phases of Freedom Struggle in Andhra
	CO4	To analyse the separation of Andhra State and Formation of Andhra Pradesh and special reference to Vandamatharam Movement in East Godavari

SOUTH INDIAN HISTORY FROM SATAVAHANAS TO 1653 AD	CO1	To Know about the sources of South Indian History and Political conditions from sangam age to Sathavahanas period
	CO2	To make a Comparative study of Art and Architecture and political conditions of South indian Dyanasties
	CO3	To analyse the greatness of Kakathiya Rulers to uplift the Telugu Literature
	CO4	To observe the Glouries period of Vijayanagara
CULTURAL TOURISM IN ANDHRA PRADESH	CO1	To gain Knowledge of Tourism basic Consepts
	CO2	To Compare the types of Tourism
	CO3	To Understand the History and Tourism relationship and development of Tourism in Andhra Pradesh
	CO4	To gain Practical Knowledge about Field Trip - to a Historical place, Tourist spot
CONTEMPORARY HISTORY OF ANDHRA PRADESH	CO1	To understand the development of Andhra in various sectors After formation of Andhra Pradesh
	CO2	Analysis the causes and impacts of Communist, Naxalbari, and Dalit Movements
	CO3	To Know about the Early trends towards Bifurcation of Andhra Pradesh
	CO4	To Acquire Knowledge about the Bifurcation of Andhra Pradesh
TOURISM IN INDIA	CO1	To Understand the Basics of Tourism in General and Tourism in India in particular
	CO2	To analyse the Socio - Economic significance of Tourism
	CO3	To Observe the General Problems of Toursim
	CO4	To do a Comparative study of To do a Comparative study of Centre and State Government Tourism Policies of Centre and State Governments

Tourism and Trave Management	B.Sc., B.A., B.Com	To Understand the significance of Tourism and its impact on Physical Environment
		To Identify the Archaeological & Historical Monuments and the vital role they play in the development of Tourism
		To Acquire Knowledge about diffrent Cultures in India and to explore the opportunities to develop Tourism around these
		To Observe the different sectors of Tourism and to explore the ways and means to make Toursism and Travel management a sustainable growth sector
ECONOMICS		
Micro Economics-I	CO1	To gain knowledge on how households (demand) and business (supply) firms interact in various market structures to determine price and quantity of a good produced.
	CO2	To Understand that Economics is about the allocation of scarce resources, that scarcity forces choice, trade-offs exist and that every choice has an opportunity cost.
	CO3	To Demonstrate the concepts of Micro Economics using a production possibility frontier diagram.
	CO4	To understand how comparative advantage provides the basis for gains through trade.
Micro Economics-II	CO1	To understand Producers equilibrium with the help of isoquants, expansion path and elasticity of substitution
	CO2	To understand Different types of markets and their features
	CO3	To identify and list the determinants of the demand and supply for goods in a competitive market and explain how that demand and supply together determine equilibrium price.
	CO4	To demonstrate marginal productivity theory of distribution, theory of wages, identify different types of rent, illustrate different theories of interest and profit.
Macro Economics-I	CO1	To understand the difference between Micro and Macro Economics, importance of macro Economics and Macro Economic variables
	CO2	To be able to define and explain the process of calculating national income, identify its components, demonstrate circular flow of income, analyse the various identities with government and international trade

	CO3	To Demonstrate the meaning and functions of money, illustrate various versions of quantity theory of money
	CO4	To explain the meaning of consumption function, relationship between APC and MPC, consumption and income, concept of multiplier and accelerator, MEC and rate of interest.
Macro Economics-II	CO1	To analyse different phases of trade cycles, demonstrate various phases of trade cycles, understand the impact of cyclical fluctuations on the growth of business, and lay policies to control trade cycles.
	CO2	To Illustrate the meaning of inflation, identify different kinds of inflation, causes and effects of inflation on different sectors of the economy, describe different measures to control it.
	CO3	To Identify types of banks, explain the meaning and functions of commercial banks, illustrate how bank create credit, and suggest the instruments to control it
	CO4	To Explain economic growth and development, determinants of economic development and measurement of economic development.
Indian Economy-I	CO1	To develop ideas of the basic characteristics of Indian economy and Andhra Pradesh economy
	CO2	To understand the importance of planning undertaken by the government of India, have knowledge on the various objectives, failures and achievements as the foundation of the ongoing planning and economic reforms taken by the government.
	CO3	To Understand agriculture as the foundation of economic growth and development, analyse the changing nature of agricultural sector and its contribution to the Indian economy
	CO4	To be aware of the economy as a whole, and to understand the basic features of Andhra Pradesh's economy, sources of revenue, how the state government finance its programmes and projects.
	CO1	To understand the meaning and difference of internal and external trade
	CO2	To Understand the different theories of international trade
International Economics	CO3	To analyze the protection policy of the international trade.

	CO4	To assess the recent trends in the foreign trade, EXIM policy and FDI in India
Quantitative Techniques-I	CO1	To demonstrate the role of quantitative techniques in the field of business/industry, illustrate different types of functions, primary and secondary data, diagram and graphic presentation of data.
	CO2	To recognise central tendency and various measures of central tendency.
	CO3	To Recognise the importance of dispersion, explains and evaluates the measures of dispersion- Range, Quartile deviation, Mean deviation, Standard deviation.
	CO4	To understand the concept of two variables and quantitative measurement of correlation including the interpretation of positive, negative and zero correlation
Agricultural Economics	CO1	To understand limited resources available in the economy. Realize the need to exploit and utilize through development and improvement of production techniques
	CO2	To gain knowledge on the Productivity trends in Indian agriculture with special reference to Andhra Pradesh
	CO3	To have knowledge on Green revolution and its impact on Indian economy
	CO4	To observe and understand the emerging trends in processing, marketing and exports in agricultural products
Agribusiness Environment in AP	CO1	To Understand the role of agriculture in development process
	CO2	To be able to demonstrate importance of agricultural finance in modern agriculture and inter linkage of agricultural credit and other input markets and product markets
	CO3	To Demonstrate production and processing trends in exports and imports of major agricultural commodities
	CO4	To Understand the marketing policy of agricultural commodities
Agricultural Output Marketing	CO1	To Assess the performance of the marketing systems of agricultural commodities and products
	CO2	To have general idea about the marketing structure of major agricultural commodities

	CO3	To Understand the problems and challenges in agricultural marketing
	CO4	To assess the impact of WTO on Indian agriculture with special reference to Andhra Pradesh
Agricultural Input Marketing	CO1	To Understand the meaning and importance of Agricultural input marketing, distribution channels of agricultural inputs
	CO2	To analyse and understand the issues in seed marketing, strengths and weaknesses of Indian seed industry. the marketing systems for agricultural commodities and products
	CO3	To Analyse the crop wise and area wise distribution of pesticides consumption
	CO4	To assess the need for the development of agricultural machinery and implements to suit the local resource endowments
Rural Economics and Social Changes	CO1	To gain insights into the socio-economic structure of rural India
	CO2	To Understand the prospects and problems of rural development in India
	CO3	To assess the role of agriculture in rural development
	CO4	To Understand the social structure of rural society in India
Rural Development	CO1	To Understand the meaning and scope of rural development and indicators of rural development
	CO2	To Understand the different types of rural infrastructure
	CO3	To examine different types of community development programmes of the Central and State Governments
	CO4	To Understand rural development and administration, planning for rural development
Rural Industrialization	CO1	Understand nature and scope, role of and importance of industries in rural development
	CO2	Types of rural industries and scope for development

	CO3	Understand the industrial policy with reference to backward areas and rural areas
	CO4	Assesses the role of technology, skills, training in rural development
Rural Marketing	CO1	Explore the various facets of rural marketing and develop an insight into rural marketing regarding different concepts and basic practices in the area
	CO2	Understand the consumer behavior in rural markets
	CO3	Analyse the product mix and life cycle
	CO4	Problems of marketing rural products and marketing information system
Basics of Business Economics	CO1	Understand the Nature and Scope of Economics
	CO2	Study the Consumer's Behavior
	CO3	Analysis the different Market Forms
	CO4	Assess the National Income Accounts
Micro Economics	CO1	Understand that Economics is about the allocation of scarce resources, that scarcity forces choice, trade-offs exist and that every choice has an opportunity cost.
	CO2	Producers equilibrium with the help of isoquants, expansion path and elasticity of substitution
	CO3	Different types of markets and their features
	CO4	Demonstrate marginal productivity theory of distribution, theory of wages, identify different types of rent, and illustrate different theories of interest and profit.
Macro Economics	CO1	Define and explain the process of calculating national income, identify its components, demonstrate circular flow of income , analyses the various identities with government and international trade

	CO2	Explain the meaning of consumption function, relationship between APC and MPC, consumption and income, concept of multiplier and accelerator, MEC and rate of interest.
	CO3	Analyses different phases of trade cycles, demonstrate various phases of trade cycles, understand the impact of cyclical fluctuations on the growth of business, and lay policies to control trade cycles.
	CO4	Explain economic growth and development, determinants of economic development and measurement of economic development.
Office Management	CO1	Understands meaning and functional of Office and Duties of an Office Management
	CO2	Study the concepts of filling and Indexing
	CO3	Assess the office record management
	CO4	Analyse the different ways of measurement of office work

POLITICAL SCIENCE

Basic Concepts of Political Science	CO1	To Discuss the most important political theorists in the western tradition and the ideas associated with them.
	CO2	To Describe basic political and governmental structures, processes, and policies
	CO3	To understand what is law, liberty and equality
	CO4	To have more idea on various rights and duties and also how to behave in the society
Political Science: Concepts theories and Institutions	CO1	To understand the nature and scope of political theory.
	CO2	To understand the significance of political theory.
	CO3	To acquaint with the theories, approaches, concepts and principles of political theory.

	CO4	To appreciate the procedure of different theoretical ideas in political theory.
Indian Constitution	CO1	To have the knowledge of how governments work
	CO2	To learn and acquire in-depth knowledge of their society and how it functions
	CO3	To know about the Evolution of Indian constitution, Fundamental Duties & Supreme court functions
	CO4	to prepare for competitive exams and useful for civil service aspirants.
Indian Political Process	CO1	To have an idea on caste system in India
	CO2	To know the evolution of modernity in India
	CO3	To have overall idea on electoral trends of the loksabha from 1952 to 2004
	CO4	To understand the party system and ideology of various parties Ex: INC, BJP, CPM, DMK, TDP etc
Indian Political Thought	CO1	To demonstrate knowledge of key thinkers and concepts
	CO2	To understand the nature, methods and significance of political thought.
	CO3	To analyse the theory of ancient & medieval political thought of Greek and India.
	CO4	To understand the relationship between religion and politics in early modern western political thought
Principles of Public Administration	CO1	To have more idea on classical theory of Henry Fayol, decision making theory of HA Simon
	CO2	To be able to know the policy formation
	CO3	To have more knowledge on composition and functions of UPSC and APPSC

	CO4	To have knowledge on financial administration Ex: Budgeting, Accounting, auditing etc
Principles of Public Administration	CO1	To have more idea on classical theory of Henry Fayol, decision making theory of HA Simon
	CO2	To be able to know the policy formation
	CO3	To have more knowledge on composition and functions of UPSC and APPSC
	CO4	To have knowledge on financial administration Ex: Budgeting, Accounting, auditing etc
Western Political Thought	CO1	To have an idea on western political philosophy
	CO2	To know the ideas of various thinkers like Plato Aristotle
	CO3	To have an idea on Modern Political Thought propounded by Hobbes Locke Rousseau
	CO4	To have an idea on theory of JS Mill and Karl Marx
International Relations	CO1	To understand the evolution, scope and significance of international relations and the rise of sovereign state system
	CO2	To analyze the history of international relations through the causes and phases of colonialism.
	CO3	To know the impact of first world war and second world war and its causes and consequences
	CO4	To criticize the various ideologies which lead to the destruction of world.
Indian Foreign Policy	CO1	To have a knowledge on Indian foreign policy
	CO2	Student is able to understand the role of India in the non-alignment movement
	CO3	To know the composition and powers of UNO

	CO4	To have more idea on Indo-pak relations and have an idea on SAARC
MATHEMATICS		
Differential Equations	CO1	To Understand how to differentiate linear and non-linear differential equations.
	CO2	To Apply different methods for solving differential equations of first order but not of first degree.
	CO3	To find the solution of higher-order linear differential equations with constant coefficients.
	CO4	To Use the method of "variation of parameters" to find the solution of higher-order linear differential equations with variable coefficients and solve the Cauchy-Euler equations
Solid Geometry	CO1	To understand geometrical terminology for angles, triangles, quadrilaterals and circles, measure angles using a protractor, use geometrical results to determine unknown angles.
	CO2	To find the areas of triangles, quadrilaterals and circles and shapes based on these
	CO3	To Define parallel lines, Recognize and create parallel lines on graphs and with equations, define perpendicular lines, Recognize and create graphs and equations of perpendicular lines
	CO4	To recognise line and rotational symmetries and the applications of spheres
Abstract Algebra	CO1	To be able to assess properties implied by the definitions of groups
	CO2	To be able to use various canonical types of groups (including cyclic groups and groups of permutations)
	CO3	To be able to analyze and demonstrate examples of subgroups, normal subgroups and quotient groups
	CO4	To be able to use the concepts of isomorphism and homomorphism for groups
Real Analysis	CO1	To Understand the concepts of limits, Continuity, Discontinuity, Uniform Continuity

	CO2	To Use the definitions of convergence as they apply to sequences, series, and functions
	CO3	To apply the Mean Value Theorem and the Fundamental Theorem of Calculus to problems in the context of real analysis
	CO4	To identify Riemann Integral functions
MATHEMATICS-V (RING THEORY & VECTOR CALCULUS)	CO1	To recognize the concepts of the terms span, linear independence, basis , dimension and apply these concepts to various vector spaces and subspaces
	CO2	To use matrix algebra and the related matrices to linear transformations,
	CO3	To be able to Compute and use eigenvectors and eigenvalues
	CO4	To Determine and use orthogonality
MATHEMATICS-VI (LAPLACE TRANSFORMS)	CO1	To analyze and detect different form of errors and also will be able to solve Algebraic and Transcendental equations using different methods.
	CO2	To Interpolate the functions within the range using equally and un equally spaced points
	CO3	To understand the Least Squares Method and be able to curve fit data using several types of curves (straight line, second degree parabola, power curve, exponential curve)
	CO4	To solve the solution of a linear system of equations using direct or iterative methods. • To solve the selected class of differential equations using Taylor, Picards, Euler's, Runge Kutta, Adams and Milne's method.
Multiple Integrals & Vector Calculus	CO1	To be able to compute and analyze the vector-valued functions of a real variable and their curves and in turn the geometry of such curves including curvature, torsion and the Frenet-Serre frame and intrinsic geometry
	CO2	To gain the ability to compute and analyze integral curves of vector fields and solving differential equations to find such curves
	CO3	To be able to compute and analyze the differential ideas of divergence, curl, and the Laplacian along with their physical interpretations, using differential forms or tensors to represent derivative operations

	CO4	To acquire the knowledge to compute and analyze the integral ideas of the functions defined including line, surface and volume integrals - both derivation and calculation in rectangular, cylindrical and spherical coordinate systems and understand the proofs of each instance of the fundamental theorem of calculus
Graph Theory	CO1	To appreciate the relevance of Graph theory in real life situation
	CO2	To understand different fundamental definitions and some techniques used in proving simple theorems
	CO3	To learn about subgraphs, walks, paths, circuits in a graph
	CO4	To learn the concepts of connected & disconnected graphs
Advanced Numerical Analysis-II	CO1	Will be able to derive numerical methods for approximating the solution of problems of continuous mathematics
	CO2	To obtain numerical approximations to the first and second derivatives of certain functions • Calculate a definite integral using an appropriate numerical method
	CO3	To implement a variety of numerical algorithms using appropriate technology
	CO4	To Compare the viability of different approaches to the numerical solution of problems arising in roots of solution of non-linear equations, interpolation and approximation, numerical differentiation and integration, solution of linear systems
Laplace Transforms	CO1	To find the Laplace transform of a function by definition and by use of a table
	CO2	To find the inverse Laplace transform of a function
	CO3	To find the convolution of two functions and the transform of a convolution
	CO4	To solve linear differential equations with constant coefficients and unit step input functions using the Laplace transform
CHEMISTRY		

Inorganic & Organic Chemistry	CO1	To Describe the trends in the physical and chemical properties of group 13 to group 17 elements. Know the Chemistry of some important compounds of Boron, Carbon, Silicone etc.
	CO2	To Identify and judge the structure, type of reaction, mechanism and chemical behavior of an organic compound during its transformation from reactants to products.
	CO3	To identify the reason for the aromaticity of various organic compounds that are used in the manufacturing of many products.
	CO4	To understand the importance of Structural theory in the organic chemistry which provides a strong basic knowledge for the students that helps in their further studies.
Physical & Inorganic Chemistry	CO1	To Understand the formation of bonds and interactions between the atoms, molecules, ions crystals and other stable substances that are used in attaining the best knowledge about future projects like quantum mechanics. Rationalize the existence of compounds and properties, structures and uses of various molecules.
	CO2	To understand the spatial arrangement of atoms that determine the structure of a compound which is fundamental study all the concepts of organic chemistry with the help of Stereochemistry
	CO3	To gain the knowledge about various synthetic techniques and synthesized products that helps a lot while working in manufacturing companies. Learn about various techniques for the conversion of different states of a substance (Liquefaction of gases, condensation, distillation etc.,) that are used in daily life
	CO4	To identify a type of reaction involving in the formation of a product .The practical knowledge is very essential for the identification of various ions and elements.
Inorganic & Organic Chemistry	CO1	To understand the ways in which mono, di and unsaturated carboxylic acids are easily prepared by at industrial level. knowing about the active methylene compounds Studying about oxidizing and reducing Reagents, reactions and their mechanisms are very useful for the establishment of small industries and also for their self employment
	CO2	To study d block elements which is useful in determination of colored complex formation in Dye industry and formation alloys which are essential for the manufacture of utensils and vessels that are used in daily life
	CO3	To Various theories studied by the students involved in bonding in metals is very useful in gaining knowledge about thermal and electrical conductance of metals.

	CO4	To gain the knowledge of conductors, insulators and semi conductors will help the students in building their career in battery industry
Advanced Inorganic & Physical Chemistry	CO1	To be able to generate an Electric Current in an Electro Chemical Cell. This is the basis of all batteries and Fuel Cells.
	CO2	To gain command on Dilute Solutions, Elevation of B.P. & depression of Freezing point, osmotic pressure, colligative properties
	CO3	To gain command on Phase rule, components and degrees of freedom, eutectic point, Pb-Ag system, NaCl system and freezing mixtures.
	CO4	To know about Spectroscopy, electromagnetic spectrum, Electronic, IR spectroscopies, selection rules applications and NMR s-pectroscopy, chemical shift, m spin-spin coupling.
Applied Inorganic & Applied Organic Chemistry	CO1	To know how the Coordination compounds play many roles in the animals and plants. They are essential in the storage and transport of oxygen, as electron transfer agent, as catalysts, and in photosynthesis. Because of its central function as an oxygen carrier for metabolic processes, Hemoglobin is probably the most studied of all the proteins. The interaction of transition metal ions with biological molecules provides one of the most fascinating areas of coordination chemistry.
	CO2	To identify molecular geometries associated with various d-orbital splitting patterns, predict electron configurations of split d orbitals for selected transition metal atoms or ions.
	CO3	To know about the stability constant (formation constant, binding constant) which is an equilibrium constant for the formation of a complex in solution. It is a measure of the strength of the interaction between the reagents that come together to form the complex.
	CO4	To have knowledge on isomerization and racemization reactions, to the general field of redox reactions, and to the reactions of coordinated ligands. To know about the applications in other fields such as organic, bioinorganic and biological chemistry, providing a bridge to organic reaction mechanisms. The topic also contains a chapter on the kinetic background to the subject with many illustrative examples which should prove useful to those beginning research.
Applied Physical & Applied Organic Chemistry	CO1	To gain knowledge of the laws of physical chemistry such as chemical equilibrium, law of thermochemistry, distribution law, etc. can be deduced from law of thermodynamics. Moreover, it can predict the feasibility of a process and extent of yield of the product obtain.

	CO2	To understand chemical kinetics which deals with the measurement of rates of reactions proceeding under given conditions, hence study of this topic help them to locate favorable conditions to speed up a reaction, there by getting the products in a short time.
	CO3	To understand the laws of photochemistry and to know about a number of applications of photochemical process which are useful in daily life such as fluorescence, phosphorescence, photosensitization etc.
	CO4	To gain knowledge on carbohydrates which constitutes one of the most important group of natural products. By their study of classification, structural elucidation, properties, and their interconversions are useful to understand about important foodstuffs and other forms of carbohydrates. Amino acids are another important natural products as they are building units of other natural products like enzymes, peptides, proteins etc. their study is necessary to understand structure of various substances present in living organisms.
Chemistry & Industry	CO1	To analyze the sample materials by using spectrophotometry in research and development. Determine the impurities and conjugation in organic compound and biological macro molecules by U.V spectroscopy.
	CO2	To determine the functional groups in organic molecules by using I.R spectroscopy. N.M.R technique is useful in quality control and research for determining the contents and purity of a sample as well as its molecular structure.
	CO3	To learn about the renewable source which are used in daily life. The polymer chemistry known about the synthesis properties and application of polymers.
	CO4	To identify and analyse the adult rents in food materials. Learning about Qualitative analysis.
Polymer Chemistry	CO1	To be able to recognize different polymeric materials commonly seen in our environment and their applications.
	CO2	To explain the general reaction course and reaction mechanism of free radical, ionic and Zeigler – Natta Polymerization.
	CO3	To know the method of calculating the degree of polymerization and molecular weight of polymers by Viscometry, Osmometry, and light scattering methods.
	CO4	To determine glass transition temperature and various factors effecting it. Also the free volume theory and WLF equation is learnt. Describe the

		effect of addition of various polymer additives to enhance the properties of polymeric materials.
Instrumentals methods of chemical analysis	CO1	To acquire fundamental knowledge of spectroscopy and chromatographic techniques.
	CO2	To understand the instrumentation and application of spectroscopy through U.V, I.R, N.M.R, for the quantitative and qualitative analysis of organic compounds (molecules) useful in analysis of drugs (pharmacy industry).
	CO3	To acquire the knowledge of handling sophisticated instruments like spectrophotometer which are used to identify functional groups (I.R)
	CO4	To learn about atomic absorption, emission and fluorescence spectroscopies, electro analytical methods and radio chemical methods.
Analysis of Drug, Food Dairy Products & Bio Chemical Analysis	CO1	To gain knowledge about various forms, formulation and therapeutic uses of drugs. Can identify different modes of administration of drugs which helps in creating awareness while using medicines.
	CO2	To learn about the structures, preparation methods and analysis of various basic drugs which will be very helpful if they chose the field of pharmaceuticals in their career.
	CO3	To identify various elements or substituents present in the food material that are often consumed in daily diet and also useful in some manufacturing industries.
	CO4	To know about the major diagnostic methods which can be useful in creating awareness among themselves and also the people around them.
BOTANY		
MICROBIAL DIVERSITY, ALGAE & FUNGI	CO1	To know about the origin and evolution of life, formation of earth in the universe and existence of life on earth.
	CO2	To know about microbial diseases regarding to various micro organism in man, animals and plants.
	CO3	To gain knowledge on Algae for growing the populations with lot of Economic importance as food, fodder and feed etc.,
	CO4	To gain knowledge of fungi as pathogen causing many famines as in the past and to overcome and manage the fungal disease and protect the life forms on the earth.

DIVERSITY OF ARCHEGONIATES AND ANATOMY	CO1	To Know the structure of non-vascular plants.
	CO2	To Know the importance of mass plants.
	CO3	To know the structure of vascular plants.
	CO4	To know the importance plant anatomy
PLANT TAXONOMY AND EMBRYOLOGY	CO1	To acquire knowledge to maintain botanical garden worldwide.
	CO2	To acquire the knowledge of classification of the plants and the comparison, origin and evolution of angiosperms which are the most important species in our daily life.
	CO3	To acquire the knowledge of the development of embryo and structure.
	CO4	To know the pollination and fertilization methods to develop with new genetically combinations leading to new varieties.
PLANT PHYSIOLOGY AND METABOLISUM	CO1	To Know the Process of various metabolic activities in plant body
	CO2	To Know the process of photosynthesis and respiration
	CO3	to know the importance of phyto hormones
	CO4	To know the process of stress physiology
CELL BIOLOGY AND ECOLOGY	CO1	To gain knowledge regarding the unit of life that is cell, types, functions of the various organelles of the cell.
	CO2	The know the DNA Structure which is very useful at molecular levels of genes in various aspects of life quality of genetical characters and forensic methods of the society etc.
	CO3	To have the knowledge of elements of environment.
	CO4	To understand the importance of Climatic factors like light, temperature, in related to growth of plant.

PHYSIOLOGY, TISSUE CULTURE AND BIOTECHNOLOGY	CO1	To Know the Process of various metabolic activities in plant body
	CO2	To know about variuos methods in tissue culture
	CO3	To know the importance of tissue culture and biotechnology
	CO4	To know the applications of bio technology.
GENETICS, BIODIVERSITY AND CONSERVATION	CO1	To acquire knowledge regarding the unit of life that is cell, types, functions of the various organelles of the cell.
	CO2	To know the DNA Structure which is very useful at molecular levels of genes in various aspects of life quality of genetical characters and forensic methods of the society etc.
	CO3	To Acquire the knowledge about Genetical Aspects
	CO4	To Know how to conserve the threatened plants in environment.
PHYSIOLOGY, SEED TECHNOLOGY AND HORTICULTURE	CO1	To Know the Process of various metabolic activities in plant body
	CO2	To Know the structure of Seed.
	CO3	To Know the various methods in seed storage.
	CO4	To Know the knowledge of various methods in Horticulture techniques.
ETHNO BOTANY AND MEDICINAL BOTANY	CO1	To know the culture and ethonology of ethnic communities
	CO2	To know the uses of ethno medicinal plants
	CO3	To Know the history of Various Methods in ancient Medicines.
	CO4	To know the uses of surronding medicinal plants.

PLANT BREEDING AND ECONOMIC BOTANY	CO1	To know about the selection of the best genetic cell characters by advanced molecular techniques in genetics and in crop improvement.
	CO2	To know about Plant breeding techniques with help of biotechnology at molecular level breeding with variety of special environmental Habbarder
	CO3	To Know the importance of Food yielding plants.
	CO4	To know the importance Timber Yielding plants

ZOOLOGY

Animal diversity of Nonchordates	CO1	To instill knowledge across different Areas of Inveretebrates.
	CO2	To be familiarized with the life cycles and mode of reproduction in different invertebrates Animal groups.
	CO3	To understand the systemic and functional morphology of various groups of Invertebrates.
	CO4	To study their economic importance, affinities and adaptations
Animal diversity of chordates	CO1	To instill knowledge across different Areas of chordates
	CO2	To acquire knowledge on the life cycles and mode of reproduction in different vertebrates
	CO3	To understand the systemic and functional morphology of various groups of chordates,
	CO4	To study their economic importance, affinities and adaptations
Cytology ,Genetics& Evolution	CO1	To know the different types of cells
	CO2	To be able to Name the cell organelles, List of cell organelles
	CO3	To Know MENDAL LAWS The inter-relationship between Organisms in population and communities

	CO4	To understand and communicate the major evolutionary innovations in animal groups and describe the functional Significance of associated morphologies and behaviours.
Embryology, Physiology, ecology, zoogeography	CO1	To study the concepts of Digestion, Respiration and other physiological activities of mammals and Reproduction
	CO2	To Know The inter-relationship between Organisms in population and communities
	CO3	To study the population dynamics and Population control Propagate and follow environment friendly practices.
	CO4	To study the concepts of zoogeography and, zoogeographical importance Of Indian subcontinent.
Animal physiology genetics & evolution-I	CO1	To study the concepts of Digestion, Respiration and other physiological activities of mammals
	CO2	To Know MENDAL LAWS The inter-relationship between Organisms in population and communities
	CO3	To Understand and communicate the major evolutionary innovations in animal groups
	CO4	To Understand the organic evolution
Applied zoology-I	CO1	To study about Aqua culture and post harvest technology and clinical science
	CO2	To learn about Types of fisheries and systems
	CO3	To learn about different types of Diseases caused by Microorganisms
	CO4	To learn about Seed collection, Hypophysation
Elective VII-B Cellular metabolism & Molecular biology	CO1	To learn about Synthesis of Biomolecules
	CO2	To learn about Production of Energy

	CO3	To understand the Cell cycle
	CO4	To understand the Importance of Molecular biology in Present senario
Elective VII-A Immunology	CO1	To Learn about Immunogloblins and Types
	CO2	To understand the Immunological disorders
	CO3	To understand the Innate and acquired immunity
	CO4	To learn about oncology
Cluster B-1 –Principles of Aquaculture	CO1,2,	To gain knowledge, understanding and skills required to apply theoretical AQUACULTURE & To understand the aquaculutre systems
	CO3,4	To know the principles of fishery management, aquaculture and fish Biology in industry. & Aquaculture in india and world
B-2 Aquaculture management	CO1,2,	To improve scientific, technical and vocational skills required in the area of employment in the fisheries industry & Aquaculture Management
	CO3,4	To improve practical skills such as fish surveying, fish husbandry, identification and treatment Of diseases and Prevention methods
B-3 Post harvest technology	CO1	To learn about Handling and principles of fish preservation
	CO2	To gain knowledge about Processing of Fish products
	CO3	To understand the importance of sanitation and Quality control
	CO4	To raise knowledge on Quality assurance and management and certification
STATISTICS		

Descriptive Statistics & Probability	CO1	To learn about primary secondary data, Measures of central tendency, measures of dispersion, importance of moments, Skewness and kurtosis
	CO2	To learn the basic concepts of probability, definitions of probability, addition and multiplication theorems
	CO3	To learn about different types of random variables, probability mass function and probability density function and distribution function and its properties
	CO4	To be able to apply the knowledge of random variables, Joint, marginal and conditional distributions and independence of random variables
Mathematical Expectations & Probability distributions	CO1	To learn about Mathematical Expectation and its properties, Addition and multiplication theorems, Generating functions, Chebyshev's and Cauchy Schwartz inequalities and Central limit theorem
	CO2	To gain knowledge about discrete distributions like Bernoulli, Binomial, Poisson, Negative binomial, Geometric and Hypergeometric and their properties
	CO3	To learn about continuous distributions like Rectangular, Normal, Exponential, Gamma Beta and Cauchy and their properties and applications.
	CO4	To apply the knowledge of Statistics to solve the practical examples of both continuous and discrete in their real life and their reproductive property.
Statistical methods	CO1	To learn about the topics Correlation and Regression and their properties and the relationship between two variables and interpretation
	CO2	To know the principle of least squares, fitting of straightline, second degree parabola, power curves and the theory of attributes, and its various measures.
	CO3	To understand the concepts of population, parameter, sampling distribution and standard error, Exact sampling distributions like chisquare, t and F distribution their properties and applications.
	CO4	To understand the theory of estimation, Criteria of good estimator, methods of estimation like Maximum likelihood method, method of moments and its properties and to learn about confidence intervals
Statistical Inference	CO1	To analyse the given data and to use the knowledge of the testing of hypothesis, null and alternative hypothesis, two types of errors, one tail and two tailed tests and problem solving skills.
	CO2	To learn about Large sample tests like proportions, standard deviations and correlation coefficients.

	CO3	To learn about small sample tests like chisquare, t and F, test for goodness of fit and goodness of fit for independence of attributes.
	CO4	To learn about Non parametric tests, their advantages and disadvantages, One sample and two sample tests
Sampling Techniques & Design of Experiments	CO1	To know about the sampling methods and different types of sampling methods, and to estimate their population mean, population total and their variances and to also to study about their advantages and disadvantages.
	CO2	To be able to know about Simple random sampling, Stratified random sampling, systematic sampling techniques, their advantages and disadvantages
	CO3	To learn about Completely Randomised design, Randomised block design, Latin square design their analysis and comparison of the efficiencies of these designs
	CO4	To know about Analysis of Variance technique and design of experiments and principles of experimentation
Quality & Reliability	CO1	To learn about Importance of statistical quality control in industry, Construction of control charts for variables and attributes and to draw conclusions and interpret the result.
	CO2	To learn about acceptance sampling plans-single and double sampling plans of attributes
	CO3	To be able to know the concept of reliability and the role of Exponential distribution and its memoryless property.
	CO4	To get the ability to estimate reliability function and to understand the concept of system reliability.
Applied Statistics	CO1	To learn about Time series and its components, Determination of trend by least squares, moving averages methods and to determine seasonal indices by Ratio to moving average, ratio to trend and link relative methods.
	CO2	To know the functions and organization of CSO and NSSO, National income and its computation, difficulties in estimation of national income.
	CO3	To know about the definition, uses of vital statistics and its sources, Various mortality and fertility rates, Life tables-its construction and uses.
	CO4	To know about different types of Reproduction rates and abridged life tables.
Cluster-1(a) Optimization Techniques	CO1	To gain the knowledge about the origin and development of Operations Research, its scope

		and phases, advantages and disadvantages of operations research
	CO2	To know about Linear Programming problem, its formulation ,solution of LPP by Graphical method, exceptional cases in graphical method.
	CO3	To understand the Simplex algorithm and solvation of problems,, Artificial Variable Technique, and Concept of degeneracy
	CO4	To understand the concept of duality, primal dual relationship and dual simplex method.
Cluster-1(b) Operations Research	CO1	To define and understand the concepts of operations research, phases and models, to know about Linear Programming problem, its formulation and solvation of LPP by Graphica method
	CO2	To understand the basic conceptsof game theory, finding solutions for 2x2 and 2x n games.
	CO3	To learn about the Definition of Transportation problem, obtaining feasible solution by North-west, Matrix minimum and Vogel's approximation methods, Obtaining Optimal solution through MODI method and stepping stone methods and the concepts of degenracy and resolving it.
	CO4	To understand the formulation and description of Assignment problem and finding optimal solution by Hungarian method and also to learn about the problem of sequencing and finding optimal solution through Johnson's algorithm method.
Cluster-1(c) Project Work & Viva	CO1	To apply the tools and techniques of statistics learnt in the class in project work
	CO2	To get the ability to apply various concepts of subject in the project work
	CO3	To acquire the ability to analyse and understand the concepts of statistics and apply them in daily life
	CO4	To know about functions in statistics and their application in real life stituations
COMPUTER SCIENCE		
Compter Fundamentals & Photoshop	CO1	To acquire the basic knowledge on computer hardware and software.

	CO2	To learn the concepts and be able to work on adobe Photoshop applications.
	CO3	To get the ability to create and edit photo albums
	CO4	The apply the knowledge gained in the classroom to design and edit Banners and visiting cards etc..
Programming In C	CO1	To appreciate and understand the working of a digital computer
	CO2	To analyse a given problem and develop an algorithm to solve the problem
	CO3	To understand the 'C' language constructs in the right way
	CO4	To apply the knowledge to Design, develop and test programs written in 'C'
Object Oriented programming using JAVA	CO1	To Understand the concept and underlying principles of Object-Oriented Programming
	CO2	To Understand how object-oriented concepts are incorporated into the Java programming language
	CO3	to acquire and improve problem-solving and programming skills using OOP concept
	CO4	To become familiar with the fundamentals and acquire programming skills in the Java language.
Data Structures	CO1	To acquire the knowledge of arrays, records, linked structures, stacks, queues, trees, and graphs as represented in memory and its applications
	CO2	To Write programs that use arrays, records, linked structures, stacks, queues, trees, and graphs
	CO3	To discuss the computational efficiency of the principal algorithms for sorting, searching, and hashing.
	CO4	To describe the concept of recursion, give examples of its use, describe how it can be implemented using a stack.
Database Management Systems	CO1	To gain knowledge on database structure and its design

	CO2	To understand different data models used for database design
	CO3	To understand database transactions and data recovery
	CO4	To apply the knowledge of DML,DDL,DCL commands to manipulate data in the database
Software Engineering	CO1	To learn about variety of software engineering models serving specific user requirements.
	CO2	To learn the phases of Software Engineering
	CO3	To analyse design and develop software
	CO4	testing Error handling depolying
Web Technologies	CO1	To understand the web architecture and web services.
	CO2	To practice latest web technologies and tools by conducting experiments.
	CO3	To design static web pages using HTML and Style sheets.
	CO4	To study the framework and building blocks of .NET Integrated Development Environment.
Advanced DBMS	CO1	To gain fundamental knowledge on SQL and Advanced SQL
	CO2	To understand Transaction Management and Concurancy Control
	CO3	To understand Distributted Database Management System
	CO4	To acquire the ability to use Datawarehouse concept
Operating systems	CO1	To analyse the concepts of processes in operating system and illustration of the scheduling of processor for a given problem instance.

	CO2	To identify the dead lock situation and provide appropriate solution so that protection and security of the operating system is also maintained.
	CO3	To analyse memory management techniques, concepts of virtual memory and disk scheduling.
	CO4	To Understand the implementation of file systems and directories along with the interfacing of IO devices with the operating system.
Cluster A1: Advanced GUI Programming	CO1	To Design and develop Windows application using file concepts
	CO2	To understand Data Environment and ActiveX Controls
	CO3	To demonstrate how to use ActiveX EXE and ActiveX DLL
	CO4	To apply the knowledge of Web Browsers and DHTML programming skills
Cluster A2: Web Technologies	CO1	To understand the web architecture and web services.
	CO2	To practice latest web technologies and tools by conducting experiments.
	CO3	To design interactive web pages using HTML,CSS, JavaScript and PHP.
	CO4	To study the framework and building blocks of .NET Integrated Development Environment.
Cluster B1: Foundation of Data Science	CO1	To apply fundamental algorithmic ideas to process data.
	CO2	To apply the knowledge of hypotheses and data into actionable predictions.
	CO3	To get the ability to document and transfer the results and effectively communicate the findings using visualization techniques.
	CO4	To understand the importance of documentation and deployment – producing effective presentations– Introduction to graphical analysis
Cluster B2: Big Data	CO1	To learn tips and tricks for Big Data use cases and solutions.

	CO2	To Learn building and maintaining reliable, scalable, distributed systems with Apache Hadoop.
	CO3	To get the ability to apply Hadoop ecosystem components.
	CO4	To illustrate Architecture and Installation, Comparison with Traditional Database, HiveQL - Querying Da
FOUNDATION COURSE,INTERNET FUNDAMENTALS AND WEB TOOLS	CO1	To understand basic concepts of INTERNET AND WWW
	CO2	To learn the methods of creating web pages using HTML
	CO3	To be able to design forms using HTML
	CO4	To learn about web tools, viruses, anti virus software

COMPUTER APPLICATIONS

Compter Fundamentals & Photoshop	CO1	To acquire the basic knowledge on computer hardware and software.
	CO2	To learn the concepts and be able to work on adobe Photoshop applications.
	CO3	To get the ability to create and edit photo albums
	CO4	The apply the knowledge gained in the classroom to design and edit Banners and visiting cards etc..
Office Automation Tools	CO1	To appreciate and understand the various office automation tools
	CO2	Get expertise in Using MS-Word for documentation
	CO3	Expertisein MS-Excel for data preparation and analysis
	CO4	Expertise in Using MS-Powerpoint for presentations

Programming In C	CO1	To appreciate and understand algorithms and flow charts
	CO2	To analyse a given problem and develop an algorithm to solve the problem
	CO3	To understand the 'C' language constructs in the right way
	CO4	To apply the knowledge to Design, develop and test programs written in 'C'
OOP using C++	CO1	To Understand the concept and underlying principles of Object-Oriented Programming
	CO2	To Understand how object-oriented concepts are incorporated into the C++ programming language
	CO3	to acquire and improve problem-solving and programming skills using OOP concept
	CO4	To become familiar with the fundamentals and acquire programming skills in the C++ language.
Database Management Systems	CO1	To gain knowledge on database structure and its design
	CO2	To understand different data models used for database design
	CO3	To understand database transactions and data recovery
	CO4	To apply the knowledge of DML,DDL,DCL commands to manipulate data in the database
Web Technologies	CO1	To understand the web architecture and web services.
	CO2	To practice latest web technologies and tools by conducting experiments.
	CO3	To design static web pages using HTML and Style sheets.
	CO4	To study the framework and building blocks of .NET Integrated Development Environment.

E- Commerce	CO1	To understand the Benefits of E-Commerce
	CO2	To Learn various sites offering online products and services.
	CO3	To learn about SET and the related protocols
	CO4	To understand Electronic payment methods and security issues
PHP and MYSQL	CO1	To gain fundamental knowledge on PHP
	CO2	To understand writing the scripts using PHP
	CO3	To understand developing forms using PHP
	CO4	To acquire the ability to use MYSQL server
COMMERCE		
Business Economics – I	CO1	To study and understand business economics concepts and their application in business firm.
	CO2	To understand dynamics of consumers buying behavior and their implications in taking business decisions.
	CO3	To be able to forecast the consequences of a change in determinants of demand on revenue.
Financial Accounting – I	CO1	To make the students acquire the conceptual knowledge of Accounting
	CO2	To equip the students with the knowledge of accounting process and preparation of Final Accounts
	CO3	To develop the skills of recording financial transactions and preparation of reports using Computers
Business Organization and Management	CO1	To understand the basic concepts and functions of Business Organisation

	CO2	To develop a set of personal business career options and apply business ethics and social responsibility
Business Economics – II	CO1	To study and understand production and cost functions, pricing under various Market structures.
	CO2	To understand macro concepts: national income and economic systems. To study and understand structural reforms.
Financial Accounting – II	CO1	To Understand the fundamental concepts underlying accounting, finance, management and marketing.
	CO2	To Utilize the Accounting Information in the business processes and practices, such as problem analysis and decision making.
Business Environment	CO1	To understand the environmental factors affecting business and Economic and Monetary policies influence on business decision making.
	CO2	To understand the concept of business environment its meaning, scope and importance.
Corporate Accounting	CO1	To provide the knowledge relating to the accounting standards To enable students to company final accounts using computer.
	CO2	To enable the students to prepare financial statements of Companies
Business Statistics	CO1	To impart knowledge on the application of statistical Tools and techniques in business decisions.
	CO2	To making and use of MS Excel in interpretation of statistical data.
Banking Theory and Practice	CO1	To discuss and evaluate the theories relating to the role of banks as financial intermediaries
	CO2	To discuss and explain how bank-based systems differ from market-based system
	CO3	To Understand the role of transaction costs and informational asymmetries in the operation of the banking system
Accounting for Service Organizations	CO1	To Understand the fundamental concepts underlying accounting, finance, management and marketing.

	CO2	To Utilize the Accounting Information in the business processes and practices, such as problem analysis and decision making.
Income Tax	CO1	To learn the concepts of income tax, tax procedure and how to calculate the incomes, taxable Income and apply them in real life situations
	CO2	To make the students to learn about fundamentals of various tax aspects
Business Law and Income Tax	CO1	To make the students learn the basics of business laws and apply them in real life situations, like general contracts and the Sale of Goods Act 1930
	CO2	To learn the concepts of income tax, tax procedure and how to calculate the incomes, taxable Income and apply them in real life situations
Business Law	CO1	To Educate the students about Consumer Protection Act 1986, Information Technology Act 2000 and the Company Law.
	CO2	To understand the legal environment of business.
Income Tax and Auditing - I	CO1	To understand the Auditors' liabilities, and be able to apply case law in making a Judgement whether auditors might be liable to certain parties.
	CO2	To learn the concepts of income tax, tax procedure and how to calculate the incomes, taxable Income and apply them in real life situations
ADVANCED ACCOUNTING-I	CO1	To Understand role of Financial Accounting, Cost Accounting and Management Accounting
	CO2	To Understand the various concepts in the three types of Accounting Systems.
	CO3	To Understand the concept of Financial Accounting, Cost Accounting and Management Accounting
Cost Accounting	CO1	To gain the ability to account for a range of advanced financial accounting issues
	CO2	To understanding of the accounting requirements for a corporate group and familiarity with the theory underlying the methods used to account for inter-company investments.
GOODS & SERVICE TAX FUNDAMENTALS -I	CO1	To gain an understanding of differences related to the field of Governmental Accounting

	CO2	To describe the different types of relationships amongst business entities and identify these relationships for financial reporting purposes;
Commercial Geography	CO1	To understand key terms, topics and concepts in marketing.
	CO2	To understand and apply marketing concepts to real life situations from consumer and managerial perspectives
Management Accounting – I	CO1	To enable the students to analyse the financial statements by applying various tools and interpret the results of financial statement analysis
	CO2	To critically analyse and provide recommendations to improve the operations of organisations through the application of management accounting techniques
	CO3	To identify joint allocation principles and effective decision making skills for accounting managers
Rural Marketing	CO1	To understand and appreciate the differences and similarities between urban and rural Indian markets.
	CO2	To understand and develop marketing strategies that are unique to rural India
Business Law – II	CO1	To have knowledge about Consumer Protection Act 1986, Information Technology Act 2000 and the Company Law.
	CO2	To understand the legal environment of business.
Income Tax and Auditing - II	CO1	To learn the concepts of income tax, tax procedure and how to calculate the incomes, taxable Income and apply them in real life situations
	CO2	To understand role of Financial Accounting, Cost Accounting and Management Accounting
	CO3	To understand sampling techniques and auditing in a computer environment
Cost and Management Accounting – II	CO1	To understand role of Financial Accounting, Cost Accounting and Management Accounting
	CO2	To understand the various concepts in the three types of Accounting Systems.
	CO3	To understand the concept of Financial Accounting, Cost Accounting and Management Accounting

Corporate Accounting – II	CO1	To have the ability to account for a range of advanced financial accounting issues
	CO2	To understanding of the accounting requirements for a corporate group and familiarity with the theory underlying the methods used to account for inter-company investments.
	CO3	To understanding of the basic principles of accounting for investments in associates
Advanced Corporate Accounting – II	CO1	To gain an understanding of differences related to the field of Governmental Accounting
	CO2	To describe the different types of relationships amongst business entities and identify these relationships for financial reporting purposes;
Product Development and Marketing	CO1	To get knowledge on idea generation and screening
	CO2	To understand - Concept and Product development and testing
Management Accounting – II	CO1	To analyse the financial statements by applying various tools and interpret the results of financial statement analysis
	CO2	To critically analyse and provide recommendations to improve the operations of organisations through the application of management accounting techniques
	CO3	To identify joint allocation principles and effective decision making skills for accounting managers
Practical Rural Marketing	CO1	To develop Marketing skills among students with Rural Markets in focus
	CO2	To understand the dynamics of Rural Markets
	CO3	To be able to design and develop Products and Services to Rural Markets

PROGRAMME OUTCOMES

On successful completion of Graduate Programme, the student will be able to:

PO 1 Domain Expertise:

Acquire comprehensive knowledge and skills.

Make use of the knowledge in an innovative manner.

Effectively apply the knowledge and skills to address various issues.

PO 2 Life-long Learning and Research:

Learn “how to learn”- Self motivated and self directed learning.

Adapt to the ever emerging demands of work place and life.

Be inquisitive and establish cause and effect relationship.

Investigate and report.

PO 3 Modern equipment Usage

Use ICT effectively.

Access, retrieve and use authenticated information.

Access, retrieve and use authenticated information. Have knowledge of software applications to analyze data.

PO 4 Computing Skills and Ethics

Develop rationale and scientific thinking process.

Use technology intelligently for communication, entertainment and for the benefit of mankind. Ensure ethical practices throughout ones endeavors for the well being of human race.

PO 5 Complex problem Investigation & Solving

Predict and analyze problems.
Frame hypotheses.

Investigate and interpret empirical data. Plan
and execute action.

PO 6 Perform effectively as Individuals and in Teams

Work efficiently as an individual

Cooperate, coordinate and perform effectively in diverse teams/groups. Prioritize common interest to individual interest.

PO 7 Efficient Communication & Life Skills

Express thoughts in an effective manner

Listen, understand and project views in a convincing manner.

Decide appropriate media to share information

Develop skills to present significant information clearly and concisely to interested groups.

PO 8 Environmental Sustainability

Understand sensibly the Environmental challenges.

Think critically on environment sustainability measures.

Propagate and follow environment friendly practices.

PO 9 Societal contribution

Render service for the general good of the society.

Involve voluntarily in social development activities at Regional, National, global levels.

Have own pride in volunteering to address societal issues viz: calamities, disasters, poverty, epidemics.

Be a patriotic citizen to uphold the values of the nation

PO 10 Effective Project Management

Identify the goals, objectives and components of a project and decide the appropriate time of completion.

Plan, organize and direct the endeavors of teams to achieve the set targets in time. Be competent in identifying opportunities and develop strategies for contingencies.

PROGRAMME SPECIFIC OUTCOMES

B.A -History, Economics, Political Science(HEP)

PSO 1: Understand the basic concepts like National Income, Poverty, Employment, International trade, Fiscal and Monetary policies, Economic conditions of various historic periods, Satavahana's Foreign trade, numismatics, agriculture economy from ancient period to modern times and their role in administration for formulating relevant policies for effective utilization of resources and tackling various problems like unemployment and improved standard of living.

PSO 2 : To analyse the economic importance of various sectors like agriculture, industry and service sector in different dynasties that influence administration like Chola administration (local self Government), Mauryan administration (Urban governance) and British administration.

PSO 3: To understand the impact of agriculture and foreign trade in economic development that attract foreign invaders towards India, resulting in changed administration in due course upto and after independence.

PSO 4: To provide life skills required for gainful employment by using domain knowledge such as Economic Service, Historians/ History writing and bureaucrats at various levels.

To promote values such as sustainable development, Optimum utilization of resources, patriotism, respecting the ideals of freedom struggle and responsible citizenship, political participation and socialization.

B.Com -General

PSO 1 : To understand the nature, scope and concepts of Accounting, Business Operations and Management.

PSO 2 : To analyse the relationship between Accounting, Auditing and Taxation.

PSO 3 : To understand the application of Corporate Accounting Principles and Practices in real time business situations.

PSO 4 : To equip the students with leadership skills and knowledge in computing skills.

PSO 5 : To enable the students to understand the legal environment and its effect on business, industry, commerce and management.

B.Com – Computer Applications (CA)

PSO 1 : To understand the nature, scope and concepts of Accounting, Business Operations and Management.

PSO 2 : To enable the students to understand the concepts of computer software and its applications in business operations.

PSO 3 : To equip the students with business analytics and e-commerce skills.

PSO 4 : To develop the students with communication, leadership and entrepreneurial skills.

PSO 5 : To make them learn the latest technologies and their application in modern business operations.

B.Sc - Botany, Zoology, Chemistry (B.Z.C)

PSO 1: To understand principles of origin of life and its evolutionary trends, Microbial diversity, chemical theory related to origin of life

PSO 2: To analysis the taxonomic range of various life forms as per their external characters and internal chemical constitutions (chemo taxonomy)

PSO 3: The knowledge About of ecological and phyto geographical studies related in environmental biodiversity with biotic and abiotic factors

PSO 4: Skills to study the principles of tissue culture techniques in biology leads to various diversity of life forms (hybrids) by using chemically synthesised growth hormones.

PSO 5: Ability to design the evolution of drugs form the biological sources and its applications without any side effects in nature.

B.Sc – Mathematics, Statistics, Computer Science (M.S.CS)

PSO 1: Understand the concepts of vector spaces, group theory, probability, distributions, sampling techniques, algorithm design, data base design and web design.

PSO 2: Analyse the concepts of mathematics, statistics and computers science able to use them in algorithm design and data science.

PSO 3: Acquire the skills to use various sampling techniques, statistical inference, data analysis in MS-Excel, implementation of numerical algorithms by using various programming languages.

PSO 4: Ability to interlink the skills developed and develop an aptitude to address the problems in DBMS, web and mobile app development.