

COURSE OUTCOMES

ENGLISH

Title of the Course : *English Praxis Course-I*

CO-1	Use grammar effectively in writing and speaking
CO-2	Demonstrate the use of good vocabulary
CO-3	Demonstrate an understating of writing skills
CO-4	Acquire ability to use Soft Skills in professional and daily life
CO-5	Confidently use the tools of communication skills

Title of the Course : *English Praxis Course-II*

CO-1	Use reading skills effective
CO-2	Comprehend different texts
CO-3	Interpret different types of texts
CO-4	Analyze what is being read
CO-5	Build up a repository of active vocabulary

Title of the Course : *English Praxis Course-III*

CO-1	Speak fluently in English
CO-2	Participate confidently in any social interaction
CO-3	Face any professional discourse
CO-4	Demonstrate critical thinking
CO-5	Enhance conversational skills by observing the professional interviews

Title of the Course : *An Introduction to the English Literature (600-1500)*

CO-1	Know about the features of Old, Middle English and Renaissance periods
CO-2	Review the aspects of different literary genres, forms and terms
CO-3	Identify the characteristics in Poetry, Drama and Literary Criticism
CO-4	Interpret literature of these periods critically

Title of the Course : An Introduction to Elizabethan and Jacobean Literature (1500-1660)

CO-1	Identify the features of Elizabethan and Jacobean periods
CO-2	Review the aspects of romantic comedy, and the evolution of prose as a genre
CO-3	Distinguish the characteristics that evolved in Poetry, Drama, Prose and Literary Criticism

CO-4	Assess literature of these periods critically
Title of the Course : <i>An Introduction to Restoration and Augustan Literature (1660 – 1750)</i>	
CO-1	Know about the features of Elizabethan and Jacobean periods
CO-2	Recognize the aspects of different literary genres, forms and terms
CO-3	Identify the characteristics in literature that reflected the changing trends in society
CO-4	Interpret literature of these periods critically
Title of the Course : An Introduction to Romantic and Victorian Literature (1757-1901)	
CO-1	Relate the features of Romantic and Victorian periods
CO-2	Observe the aspects of poetry and the contribution of women as literary artists
CO-3	Analyze the characteristics in Poetry, Drama, Prose and Literary Criticism
CO-4	Compare and evaluate literature of these periods critically
Title of the Course : A Study of the English Language	
CO-1	Understand the characteristic features of different ages
CO-2	Analyze how language changes
CO-3	Interpret the ways that led to the formation of Standard English

TELUGU

Title of the Course : *Ancient Telugu Poetry*

CO-1	Recognize the and uniqueness of ancient Telugu poetry. Get knowledge of Telugu culture and language at the time of Nannaya period and political ethics morals at epic period.
CO-2	Understanding the religious situations and languages of the period of Shiva Kavulu and also understand the religious conditions during that period. Can gain knowledge about Telugu <i>nudikaram</i> , proverbs, <i>suktulu</i> and folktales etc.
CO-3	Realizing the religious and philosophical conditions during the period of Tikkana Mahabharata and gain knowledge on Tikkana poetic sculpture and drama.
CO-4	Can acquire understanding on <i>Errana Sukti Vaichithri</i> , a taste for different modes of epic poetry. Able to perceive changes in poetry over time. Recognize the uniqueness of Molla and Srinatha poetry. can identify the poetic characteristics of Srinath's time and the poetic characteristics of <i>Molla</i> .
CO-5	Aware about Telugu poem, its nature and also develops literary taste. By studying the grammatical aspects of the ancient poetic language, they can acquire language ability and techniques in writing.

Title of the Course : *Modern Telugu Literature*

CO-1	Modern literature in Telugu due to the influence of English language and its uniqueness is recognized.
CO-2	Get an understanding of Contemporary Modern Literary Genres "Text Poetry, Story, Novel, Drama, Criticism"
CO-3	Gain knowledge about the aims of Bhavakavita and Abhyudaya Kavita. The emergence of existentialist movements and the need to recognize them.
CO-4	Gain social consciousness through literature. A theory can be reviewed not by theories but by knowing actual conditions...
CO-5	Gain social, cultural and political consciousness through modern Telugu fiction.

Title of the Course : *Creative writing*

CO-1	The skills learned through the study of Telugu literature can be converted into creative skills,
CO-2	Identify essence and importance of language, and also understand language is important to fortify the life of human beings as individuals and to strengthen various structures of the society.
CO-3	Gain knowledge on language and related skills.
CO-4	Can gain knowledge on various modern literary forms like poetry, story, essay as well as ancient poetry.
CO-5	Can obtain excellent employment opportunities in creative and print and electronic media fields. Can obtain skills in translation field.

Title of the Course : *Introducing Ancient Literature*

CO-1	Recognize the antiquity and uniqueness of ancient Telugu poetry. Analytical understanding of the way in which Telugu poetry, which is a part of the culture of the Telugu people, has evolved by understanding the traditions of the Telugu culture and people.
CO-2	Understand the native poetry that arose against <i>Margakavita</i> . Able to understand the religious and philosophical conditions and linguistic features of the time of Shiva poets.
CO-3	Realizing the uniqueness of <i>Tikkana Mahabharata's</i> writing and its poetry can get Understanding the message in the anecdotes, the order in which the scriptural language is shaped can identify.
CO-4	They will know the way that Margakavita evolved into <i>Prabandhaprakriya</i> . One can enjoy the peculiarity of the Prabandha era and the delicacy of <i>Allasani's</i> poetry. Able to perceive changes in poetry over time.
CO-5	They can understand the uniqueness and devotion of PotanaBhagavata. and can understand the poetic fun, poetic process uniqueness and sound beauty of Ramayana written by Molla.

Title of the Course : *Introducing Modern Poetry*

CO-1	Able to understand uniqueness of Modern Telugu poetry, which is a part of present-day Telugu lifeanalytically.
CO-2	Can develop feelings of patriotism, prevention of social inequalities, humanitarianism etc
CO-3	Acquire the ability to express feelings using sensitive language.
CO-4	Be inspired to write poetry that promotes social consciousness in colloquial language.
CO-5	Able to understand the changes in poetry, object and feeling in modern times. You can understand the freedom in sculpture, the changes in expression, the approach of language to society.

Title of the Course : *History of Ancient Telugu Literature*

CO-1	Telugu literary history, which is a part of Telugu history, has been practiced by Telugu people for a long time Learn how it has become an integral part of culture.
CO-2	Gain a broad understanding of the evolution of Telugu literature.
CO-3	Identify the two literary traditions of Telugu, oral and written forms. Understand the development of various literary processes.
CO-4	Students by teaching the literature created by poets through their creativity can acquire sensitivity, passion and critical analysis skills for literature.
CO-5	Those who work in the respective science can know how subject knowledge is required in that field. Those who work in Telugu literature realize that proficiency in Telugu is necessary.
CO-6	Introduce students to the creative language used by poets and writers.

URDU

Title of the Course : Urdu Poetry

CO-1	Know about Urdu new and old poets and their poetry of Ghazals, and Remember all the basic concepts of Urdu Ghazal.
CO-2	Read, understand and enjoy Urdu poems, to Create interest among students in literature.
CO-3	Developing communication skills and creating awareness in the students about life attitude and environment

Title of the Course : Urdu Poetry

CO-1	Know about the Classical and Modern Poets of Urdu and their poetry
CO-2	Remember all the basic concepts of Urdu <i>Masnavi</i>
CO-3	To create interest and awareness about the Indian Heritage and culture, To train the students in speaking, reading and writing skills, create interest in Poetry Recitation among the students.

Title of the Course : Urdu Prose Fiction

CO-1	Know about the Urdu Novel, Drama, <i>Afsana</i> and <i>Dastaan</i>
CO-2	Remember all the basic concepts of Urdu Novel, Drama, <i>Afsana</i> and <i>Dastaan</i>
CO-3	To provide basic and essential knowledge of Urdu Fiction.

Title of the Course : Urdu Prose Non Fiction

CO-1	Know about Urdu about Ghair Afsanavi Abdab like khutoot, Safarnama, Inshaya.
CO-2	Gain the knowledge of art of writing essay in Urdu
CO-3	To create awareness on all the basic concepts of Urdu Essay, khutoot, Safarnama, Inshaya
CO-4	To train the students to Read and learn about famous Urdu khutoot, Safarnama and Read and learn about famous Urdu <i>khutoot</i> and <i>Safarnama</i>

HINDI

Title of the Course : <i>Gadya Sandesh & Katha Lok</i>	
CO-1	The students realize the significance of the literature they try to learn. How to servethe literature and how to presence it.
CO-2	The students realize what ment by real friendship is.
CO-3	The student will observe the slavery and explain in that ancient period of olden days. They also learn about the honesty and innocence of a poor former.
CO-4	By learning grammar they will try to make sentences and they will learn the letter writing.
Title of the Course : <i>Gadya Sandesh & Katha Lok</i>	
CO-1	The students learn the unity and diversity of our country. They learn aboutthe various aspects of our country's geographical conditions.
CO-2	The students will realize how the injustice is happening everywhere inthis country. So called great people are doing many more evil deeds behind the layer ofgoodness so in this lesson there cunning nature is revealed.
CO-3	The students will realize about the decline of our family values. In ourmodern society because of the new friends. Our values are gradually declining. It is very dangerous to our society.

CO-4	The students will understand about the poverty in our country. So many people have no livelihood. So they are suffering very much. By studying this lesson, the students will think how to remove this evil from the society.
Title of the Course : <i>Kavya deep</i>	
CO-1	The students will understand about the great ancient poet Hindi poet "Raheem" and his contributions towards Hindi literature
CO-2	The students will get the knowledge of the great ancient Hindi poet "Kabeer" and his contributions towards Hindi literature.
CO-3	By studying the history of Hindi literature the students will understand how the Hindi literature changed from time to time in its historical background.
CO-4	By studying applied Hindi the students will understand about the use of official language (Hindi) in our day today life.

AQUACULTURE TECHNOLOGY

Title of the Course : <i>Basic Principles of Aquaculture</i>	
CO-1	Understands the concept of blue revolution and different aquaculture systems
CO-2	Understands the pond ecosystem and different types of fish ponds
CO-3	Practices the steps of pond preparation and pond management practices.
Title of the Course : <i>Biology of FIN Fish and SHELL Fish</i>	
CO-1	A student learns and understands the nutritional requirements of cultivable fishes and different types of feed and feeding methods of fish.

CO-2	The techniques of fish feed manufacturing and storage method,
CO-3	The concept of fish feed additives, non-nutrient ingredients and different nutritional deficiency symptoms of fish.

Title of the Course : *Fish Nutrition and Feed Technology*

CO-1	Students understands the prospects and scope of fresh water aquaculture at various levels
CO-2	Explain the practices involved in carp culture
CO-3	Understands the culture of cold water and air breathing fish
CO-4	The culture practices of prawn
CO-5	The culture of different brackish water species

Title of the Course : *Fresh Water and Brakish Water Aquaculture*

CO-1	Students understands the prospects and scope of fresh water aquaculture at various levels
CO-2	Explain the practices involved in carp culture
CO-3	Understands the culture of cold water and air breathing fish
CO-4	The culture practices of prawn
CO-5	The culture of different brackish water species

Title of the Course : *Fish Health Management & Fisheries Economics*

CO-1	Learns about the diseases of fin fish and shell fish.
CO-2	Learns about the fish health management strategies.
CO-3	Understands and learns different fisheries economic policies.
CO-4	Knows about the various schemes for the welfare of fishermen community.

BOTANY

Title of the Course : <i>Fundamentals of Microbes and Non-vascular Plants</i>	
CO-1	The students will be able to understand the origin of life on the earth.
CO-2	Illustrate diversity among the viruses and prokaryotic organisms and can categorize them.
CO-3	Classify fungi, lichens, algae and bryophytes based on their structure, reproduction and life cycles.
CO-4	Analyze and ascertain the plant disease symptoms due to viruses, bacteria and fungi.
CO-5	Recall and explain the evolutionary trends among amphibians of plant kingdom for their shift to land habitat.
CO-6	Evaluate the ecological and economic value of microbes, thallophytes and bryophytes.
Title of the Course : <i>Basics of Vascular plants and Phytogeography</i>	
CO-1	The students will be able to Classify and compare Pteridophytes and Gymnosperms based on their morphology, anatomy, reproduction and life cycles.
CO-2	Justify evolutionary trends in tracheophytes to adapt for land habitat

CO-3	Explain the process of fossilization and compare the characteristics of extinct and extant plants.
CO-4	Critically understand various taxonomical aids for identification of Angiosperms.
CO-5	Analyze the morphology of the most common Angiosperm plants of their localities and recognize their families.
CO-6	Evaluate the ecological, ethnic and economic value of different tracheophytes and summarize their goods and services for human welfare.

Title of the Course : *Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity*

CO-1	Understand on the organization of tissues and tissue systems in plants.
CO-2	Illustrate and interpret various aspects of embryology
CO-3	Discuss the basic concepts of plant ecology, and evaluate the effects of environmental and biotic factors on plant communities.
CO-4	Appraise various qualitative and quantitative parameters to study the population and community ecology.
CO-5	Correlate the importance of biodiversity and consequences due to its loss.
CO-6	Enlist the endemic/endangered flora and fauna from two biodiversity hot spots in India and assess strategies for their conservation.

Title of the Course : *Plant Physiology and Metabolism*

CO-1	Comprehend the importance of water in plant life and mechanisms for transport of water and solutes in plants.
CO-2	Evaluate the role of minerals in plant nutrition and their deficiency symptoms.
CO-3	Interpret the role of enzymes in plant metabolism.

CO-4	Understand the light reactions and carbon assimilation processes responsible for synthesis of food in plants.
CO-5	Evaluate the physiological factors that regulate growth and development in plants. Examine the role of light on flowering and explain physiology of plants under stress conditions

Title of the Course : *Cell Biology, Genetics and Plant Breeding*

CO-1	Can distinguish prokaryotic and eukaryotic cells and design the model of a cell.
CO-2	Understands the organization of a eukaryotic chromosome and the structure of genetic material.
CO-3	Demonstrate techniques to observe the cell and its components under a microscope and techniques to observe the cell and its components under a microscope.
CO-4	Elucidate the role of extra-chromosomal genetic material for inheritance of characters. Evaluate the structure, function and regulation of genetic material.
CO-5	Understand the application of principles and modern techniques in plant breeding.
CO-6	Explain the procedures of selection and hybridization for improvement of crops.

Title of the Course : *Plant Ecology & Phytogeography*

CO-1	Learner can Collect different soils, study their texture
CO-2	Student can understand the dynamics of Ecosystem
CO-3	Students can observing and identify the polluted water bodies and find remedies for their cleaning.
CO-4	Student can study the man's impact on ecosystem.
CO-5	Learners can understand the value of biodiversity and its conservation methods.

CO-6	Learner can understand different Phytogeographic regions of the world and India and appreciate its value.
Title of the Course : Plant Tissue Culture and its Biotechnological Applications	
CO-1	Students can understand the In vitro initiation of callus on artificial medium
CO-2	Students acquire the comprehensive knowledge on rDNA technology.
CO-3	Students are enlightened with the applications of Biotechnology (whether it is a boon or bane to the society)
CO-4	Students can learn the growth patterns, vegetative characteristics of Bt. cotton and identify the features of its pest resistance.
Title of the Course : Biological Instrumentation and Methodology	
CO-1	Student understands the image related techniques like Microscopy, chromosomal banding, chromosomal painting, Fish technique
CO-2	Students can understand the Spectrophotometric techniques, Instrumentation: ultraviolet and visible spectrophotometry spectrophotometers), Mass spectroscopy, Infrared spectrometers - Luminometry and densitometry.
CO-3	Learner understands the Chromatographic techniques: Principle and applications
CO-4	Learner understands the principle and working of Electrophoresis technique
CO-5	Student is acquainted with the Knowledge about common toxic chemicals and safety measures in their handling.
CO-6	Students get better understanding regarding Centrifugation: Principles, types of centrifuges
Title of the Course : <u>Mushroom Culture and Technology</u>	
CO-1	Identify and collect the naturally growing edible mushrooms

CO-2	Students will be much aware of the poisonous mushrooms and their effect on the health of the consumers
CO-3	Students will understand the spawn production compost preparation, bed preparation and inoculation techniques of spawn.
CO-4	Students will master the art of Mushroom cultivation and Students will assimilate the post harvest storage techniques of mushrooms
CO-5	Identify and understand the Diseases of mushrooms

Title of the Course : *Organic Farming*

CO-1	The students acquire the comprehensive knowledge on organic farming
CO-2	The students prepare their own organic fertilizers
CO-3	The students master the water resource management
CO-4	The students master the technique of weed management
CO-5	The student master the technique of Pest management
CO-6	The Students can grow the vegetables in their own farm

CHEMISTRY

Title of the Course : *Inorganic & Physical Chemistry*

CO-1	Understand the basic concepts of p-block elements
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CO-2	Explain the difference between solid, liquid and gases in terms of intermolecular interactions.
CO-3	Apply the concepts of gas equations, Ph and electrolytes while studying other chemistry courses.
CO-4	Understand the basic concepts of qualitative analysis of inorganic mixture
CO-5	Use glassware, equipment and chemicals and follow experimental procedures in the laboratory
CO-6	Understand the basic concepts of p-block elements

Title of the Course : *Organic & General Chemistry*

CO-1	Understand and explain the differential behaviour of organic compounds based on fundamental concepts learnt
CO-2	Formulate the mechanism of organic reactions by recalling and correlating the fundamental properties of the reactants involved.
CO-3	Learn and identify many organic reaction mechanisms including Free Radical Substitution, Electrophilic Addition and Electrophilic Aromatic Substitution.
CO-4	Correlate and describe the stereo chemical properties of organic compounds and reactions.
CO-5	Facilitate the learner to make solutions of various molar concentrations

Title of the Course : *Organic Chemistry & Spectroscopy*

CO-1	Understand preparation, properties and reactions of haloalkanes, haloarenes and oxygen containing functional groups
CO-2	Use the synthetic chemistry learnt in this course to do functional group transformations.
CO-3	To propose plausible mechanisms for any relevant reaction

CO-4	How to calculate limiting reagent, theoretical yield, and percent yield
Title of the Course : <i>Inorganic, Organic and Physical Chemistry</i>	
CO-1	To learn about the laws of absorption of light energy by molecules and the subsequent photochemical reactions.
CO-2	To understand the concept of quantum efficiency and mechanisms of photo chemical reactions.
CO-3	Determine melting and boiling points of organic compounds
Title of the Course : <i>Inorganic & Physical Chemistry</i>	
CO-1	Understand concepts of boundary conditions and quantization, probability distribution, most probable values, uncertainty and expectation values.
CO-2	Application of quantization to spectroscopy.
CO-3	Various types of spectra and their use in structure determination.
CO-4	Apply concepts of electrochemistry in experiments

COMMERCE

Title of the Course : <i>Fundamentals of Accounting</i>
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CO-1	Identify transactions and events that need to be recorded in the books of accounts.
CO-2	Equip with the knowledge of accounting process and preparation of final accounts of sole trader.
CO-3	Develop the skill of recording financial transactions and preparation of reports in accordance with GAAP.
CO-4	Analyze the difference between cash book and pass book in terms of balance and make reconciliation
CO-5	Examine the balance sheets of a sole trader for different accounting periods.

Title of the Course : *Business Organization And Management*

CO-1	Understand different forms of business organizations.
CO-2	Comprehend the nature of Joint Stock Company and formalities to promote a Company.
CO-3	The Social Responsibility of Business towards the society.
CO-4	Critically examine the various organizations of the business firms and judge the best among them.
CO-5	Design and plan to register a business firm. Prepare different documents to register a company at his own.

Title of the Course : *Business Environment*

CO-1	Understand the concept of business environment,
CO-2	Define Internal and External elements affecting business environment
CO-3	Explain the economic trends and its effect on Government policies.

CO-4	Critically examine the recent developments in economic and business policies of the Government.
CO-5	Evaluate and judge the best business policies in Indian business environment.
CO-6	Develop the new ideas for creating good business environment

Title of the Course : *Financial Accounting*

CO-1	Understand the concept of consignment and learn the accounting treatment of the various aspects of consignment.
CO-2	Analyze the accounting process and preparation of accounts in consignment and joint venture.
CO-3	Distinguish Joint Venture and Partnership and to learn the methods of maintaining records under Joint Venture.
CO-4	Determine the useful life and value of the depreciable assets and maintenance of Reserves in business entities.
CO-5	Design an accounting system for different models of businesses at his own using the principles of existing accounting system

Title of the Course : *Business Economics*

CO-1	Describe the nature of economics in dealing with the issues of scarcity of resources.
CO-2	Analyze supply and demand analysis and its impact on consumer behaviour.
CO-3	Evaluate the factors, production and costs affecting firm's behaviour.
CO-4	Apply economic models for managerial problems, identify their relationships, and formulate the decision-making tools to be applied for business.

Title of the Course : *Advanced Accounting*

CO-1	Understand the, concept of Non-profit organisations and its accounting process
CO-2	Comprehend the concept of single-entry system and preparation of statement of affairs
CO-3	Familiarize with the legal formalities at the time of dissolution of the firm
CO-4	Prepare financial statements for partnership firm on dissolution of the firm
CO-5	Employ critical thinking skills to understand the difference between the dissolution of the firm and dissolution of partnership.

Title of the Course : *Business Statistics*

CO-1	Understand the importance of Statistics in real life
CO-2	Formulate complete, concise, and correct mathematical proofs.
CO-3	Frame problems using multiple mathematical and statistical tools, measuring relationships by using standard techniques.
CO-4	Build and assess data-based models. Learn and apply the statistical tools in day life.
CO-5	Create quantitative models to solve real world problems in appropriate contexts

Title of the Course : *Marketing*

CO-1	Develop an idea about marketing and marketing environment
CO-2	Understand the consumer behaviour and market segmentation process.
CO-3	Comprehend, the product life cycle and product line decisions

CO-4	Know the process of packaging and labelling to attract the customers.
CO-5	Formulate new marketing strategies for a specific new product.
CO-6	Develop new product line and sales promotion techniques for a given product. Design and develop new advertisements to given products.

Title of the Course : *Corporate Accounting*

CO-1	Understand the Accounting treatment of Share Capital and aware of process of book building.
CO-2	Demonstrate the, procedure for issue of bonus shares and buyback of shares.
CO-3	Comprehend the important provisions of Companies Act, 2013 and prepare final accounts of a company with Adjustments.
CO-4	Participate in the preparation of consolidated accounts for a corporate group.
CO-5	Understand analysis of complex issues, formulation of well-reasoned arguments and reaching better conclusions.

Title of the Course : *Cost and Management Accounting*

CO-1	Understand various costing methods and management techniques
CO-2	Apply Cost and Management accounting methods for both manufacturing and service industry.
CO-3	Prepare cost sheet, quotations, and tenders to organization for different works
CO-4	Analyze cost-volume-profit techniques to determine optimal managerial decisions
CO-5	Compare and contrast the financial statements of firms and interpret the results.

Title of the Course : *Income Tax*

CO-1	Acquire the complete knowledge of the tax evasion, tax avoidance and tax planning.
CO-2	Understand the provisions and compute income tax for various sources
CO-3	Grasp amendments made from time to time in Finance Act.
CO-4	Compute total income and define tax complications and structure.
CO-5	Prepare and File IT returns of individual at his own.

Title of the Course : *Business Law*

CO-1	Understand the legal environment of business and laws of business.
CO-2	Highlight the security aspects in the present cyber-crime scenario.
CO-3	Apply basic legal knowledge to business transactions.
CO-4	Understand the various provisions of Company Law
CO-5	Engage critical thinking to predict outcomes and recommend appropriate action on issues relating to business associations and legal issues.

Title of the Course : *Auditing*

CO-1	Understanding the meaning and necessity of audit in modern era
CO-2	Comprehend the role of auditor in avoiding the corporate frauds

CO-3	Identify the steps involved in performing audit process Determine the appropriate audit report for a given audit situation
CO-4	Apply auditing practices to different types of business entities
CO-5	Plan an audit by considering concepts of evidence, risk and materiality.

Title of the Course : *Goods and Service Taxes*

CO-1	Understand the basic principles underlying the Indirect Taxation Statutes
CO-2	Examine the method of tax credit. Input and Output Tax credit and Cross Utilisation of Input Tax Credit.
CO-3	Identify and analyze the procedural aspects under different applicable statutes related to GST.
CO-4	Compute the assessable value of transactions related to goods and services for levy and determination of duty liability.
CO-5	Develop various GST Returns and reports for business transactions in Tally.

Title of the Course : *Commercial Geography*

CO-1	To introduce the students to the basic and latest concepts in Geomorphology.
CO-2	To acquaint the students with the utility and application of Geomorphology in different regions and environment.
CO-3	To make the students aware of the need of protection and conservation of different landforms

Title of the Course : *Indirect Tax*

CO-1	Students would distinguish the difference between forward charge and reverse charge mechanism and also to understand the difference between composite and mixed supply.
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CO-2	Students would discuss the time, place and value of supply.
CO-3	Students would discuss the contents and format for various documents like tax invoice, bill of supply, debit note, credit note etc.
CO-4	Students would compute the amount of CGST, SGST and IGST payable after considering the eligible input tax credit.

Title of the Course : *Central Banking*

CO-1	This course studies the purpose and the functions of central banks and monetary policies and how they have evolved over time.
CO-2	Students are introduced to the tools of monetary policy and to the rules that central banks follow, with special attention to inflation targets.
CO-3	At the end of the course students know the effects of the main policy tools and understand how central banks affect the financial system and the economy more generally and the role they have played in the recent financial crisis.

Title of the Course : *Rural and Farm Credit*

CO-1	Demonstrate a comprehension of the policies with regard to Rural Credit in India
CO-2	Engage in critical analysis of the practice of Indian Banking System for provide credit for Rural development.
CO-3	Analyze information pertaining to sources of farm credit by various banking agencies
CO-4	Critically examines the current scenario of Farm Credit Analysis
CO-5	Invent the new Source of Credit for Rural Agriculture and development.

Title of the Course : *Marketing*

CO-1	Identify how consumer behaves differently
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CO-2	Describe the market segmentation, target marketing and positioning. Understand different methods of sale promotion.
CO-3	Familiarize about product and its classifications and introduce the concept of sales forecast
CO-4	Formulate new marketing strategies for a specific new product and Develop new product line and sales promotion techniques for a given product
CO-5	Design and develop new advertisements to given products

Title of the Course : *Auditing*

CO-1	Students would outline the basic objective of Auditing, the concepts of errors and frauds, principles of audit and different types of audits.
CO-2	Students would construct the factors involved in preparation of Audit plan and Audit programme. They would also understand the concept and importance of Audit working papers
CO-3	Students would evaluate the importance of assessment of internal control and internal checks. Also, they would learn about Test check and Audit sampling as audit techniques.
CO-4	Students would restate the objectives, basic principles establishing internal audit and its usefulness.

Title of the Course : *Management Accounting*

CO-1	To enhance the abilities of learners to develop the concept of management accounting and its significance in the business.
CO-2	To enhance the abilities of learners to analyze the financial statements.
CO-3	To enable the learners to understand, develop and apply the techniques of management accounting in the financial decision making in the business corporate.
CO-4	To make the students develop competence with their usage in managerial decision making and control.

Title of the Course : *Financial Services*

CO-1	Describe fundamentals of financial services and players in financial sectors
CO-2	Provide knowledge about leasing and hire purchase concepts
CO-3	Understand about different types of insurance and IRDA Act.
CO-4	Justify the operations of Financial services organisations in India
CO-5	Invent new types of financial services to fill the gap
CO-6	Create an awareness about merchant banking, issue management, capital markets and role of SEBI

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Title of the Course : *Marketing Of Financial Services*

CO-1	Describe fundamentals of financial services and players in financial sectors
CO-2	Provide knowledge about pricing and promotions strategies of financial services

CO-3	Understand about different types channels for service provision
CO-4	Justify the operations of marketing of Financial services in India
CO-5	Design new strategies of marketing of financial services.

COMPUTER SCIENCE

Title of the Course : <i>Problem Solving in C</i>	
CO-1	Understand the evolution and functionality of a Digital Computer.
CO-2	Apply logical skills to analyse a given problem
CO-3	Develop an algorithm for solving a given problem.
CO-4	Understand 'C' language constructs like Iterative statements, Array processing, Pointers, etc.
CO-5	Apply 'C' language constructs to the algorithms to write a 'C' language program.
Title of the Course : <i>Data Structures using C</i>	
CO-1	Understand available Data Structures for data storage and processing.
CO-2	Comprehend Data Structure and their real-time applications - Stack, Queue, Linked List, Trees and Graph
CO-3	Choose a suitable Data Structures for an application
CO-4	Develop ability to implement different Sorting and Search methods

CO-5	Design and develop programs using various data structures
Title of the Course : <i>Database Management System</i>	
CO-1	Understand the fundamental concepts of DBMS with special emphasis on relational data model.
CO-2	Understand the fundamental concepts of DBMS with special emphasis on relational data model.
CO-3	Model data base using ER Diagrams and design database schemas based on the model.
CO-4	Create a small database using SQL and Store, Retrieve data from database.
Title of the Course : <i>Object Oriented Programming with JAVA</i>	
CO-1	Understand different computer programming paradigms
CO-2	Understand underlying principles of Object-Oriented Programming in Java
CO-3	Develop problem-solving and programming skills using OOP concepts
CO-4	Develop the ability to solve real-world problems through software development in high-level programming language like Java
Title of the Course : <i>Operating System</i>	
CO-1	Understand Operating System Architectural design and its services.
CO-2	Understand various process management concepts including scheduling, synchronization, and deadlocks.
CO-3	Comprehend different approaches for memory management.

CO-4	Specify objectives of modern operating systems and describe how operating systems have evolved over time.
Title of the Course : <i>Problem Solving in C</i>	
CO-1	Understand the evolution and functionality of a Digital Computer.
CO-2	Apply logical skills to analyse a given problem
CO-3	Develop an algorithm for solving a given problem.
CO-4	Understand 'C' language constructs like Iterative statements, Array processing, Pointers, etc.
CO-5	Apply 'C' language constructs to the algorithms to write a 'C' language program.
Title of the Course : <i>Computer Fundamentals and Photoshop</i>	
CO-1	To explore basic knowledge on computers and Photoshop's beauty from the practical to the painterly artistic and to understand how Photoshop will help you create your own successful images
Title of the Course : <i>Object Oriented Programming Using Java</i>	
CO-1	Understand the concept and underlying principles of Object-Oriented Programming
CO-2	Develop problem-solving and programming skills using OOP concepts
CO-3	Develop the ability to solve real-world problems through software development in high-level programming language like Java
CO-4	Understand how object-oriented concepts are incorporated into the Java programming language

CO-5	Develop efficient Java applets and applications using OOP concept
Title of the Course : <i>Data Structures using C</i>	
CO-1	Understand available Data Structures for data storage and processing.
CO-2	Comprehend Data Structure and their real-time applications - Stack, Queue, Linked List, Trees and Graph
CO-3	Choose a suitable Data Structures for an application
CO-4	Develop ability to implement different Sorting and Search methods
CO-5	Design and develop programs using various data structures
Title of the Course : <i>Database Management System</i>	
CO-1	Understand the fundamental concepts of DBMS with special emphasis on relational data model.
CO-2	Understand the fundamental concepts of DBMS with special emphasis on relational data model.
CO-3	Model data base using ER Diagrams and design database schemas based on the model.
CO-4	Create a small database using SQL and Store, Retrieve data from database.
Title of the Course : <i>Software Engineering</i>	
CO-1	Ability to gather and specify requirements of the software projects
CO-2	Ability to analyze software requirements with existing tools

CO-3	Able to understand and apply the basic project management practices in real life projects
CO-4	Ability to work in a team as well as independently on software projects
Title of the Course : <i>Operating System</i>	
CO-1	Understand Operating System Architectural design and its services.
CO-2	Understand various process management concepts including scheduling, synchronization, and deadlocks.
CO-3	Comprehend different approaches for memory management.
CO-4	Specify objectives of modern operating systems and describe how operating systems have evolved over time.
Title of the Course : <i>Computer Networks</i>	
CO-1	Identify the different components in a Communication System and their respective roles
CO-2	Describe the technical issues related to the local Area Networks
CO-3	Identify the common technologies available in establishing LAN infrastructure
Title of the Course : <i>Web Technologies</i>	
CO-1	To design interactive web pages using HTML and Style sheets
CO-2	To practice latest web technologies and tools by conducting experiments
CO-3	To understand the web architecture and web services.

CO-4	To study the framework and building blocks of .NET Integrated Development Environment.
Title of the Course : <i>Foundations of Data Science</i>	
CO-1	Able to apply fundamental algorithmic ideas to process data
CO-2	Learn to apply hypotheses and data into actionable predictions.
CO-3	Document and transfer the results and effectively communicate the findings using visualization techniques.
Title of the Course : <i>Big Data Technology</i>	
CO-1	Acquire knowledge of storing and maintaining data in cluster, reading data from and writing data to Hadoop cluster
CO-2	Acquire knowledge of HDFS components , Name node, Data node, etc
CO-3	Able to write Map Reduce applications to access data present on HDFS
CO-4	Able to develop Map Reduce applications to analyze Big Data related to the real world use cases
Title of the Course : <i>Computing For Data Analytics</i>	
CO-1	Learn the Big Data in Technology Perspective
CO-2	Understanding of the statistical procedures most often used by practicing engineers
CO-3	Understand Forecasting methods and apply for business applications.

Title of the Course : *Distributed Systems*

CO-1 Create models for distributed systems

CO-2 Apply different techniques learned in the distributed system.

Title of the Course : *Cloud Computing*

CO-1 Identify the architecture, infrastructure and delivery models of cloud computing

CO-2 Choose the appropriate cloud player , Programming Models and approach.

CO-3 Address the core issues of cloud computing such as security, privacy and interoperability

CO-4 Design Cloud Services and Set a private cloud

Title of the Course : *Grid Computing*

CO-1 Compare the strengths and limitations of Grid computing

CO-2 Identify the architecture, infrastructure and delivery models of Grid computing

CO-3 Apply suitable virtualization concept.

CO-4 Address the core issues of Grid computing such as security, privacy and interoperability

DATA SCIENCE

Title of the Course : *Introduction to Data Science with R*

CO-1	Understand the processes of data science - identifying the problem to be solved, data collection, preparation, modeling, evaluation and visualization.
CO-2	Able to understand and use - lists, vectors, matrices, dataframes, implement Linear Regression etc
CO-3	Able to use basic R data structures in loading, cleaning the data and pre processing the data
CO-4	Develop and appreciate various techniques for data modeling and mining
CO-5	Be comfortable using commercial and open source tools such as the R language and its associated libraries for data analytics and visualization.

Title of the Course : *Big Data Technology*

CO-1	Acquire knowledge of storing and maintaining data in cluster, reading data from and writing data to Hadoop cluster
CO-2	Acquire knowledge of HDFS components , Namenode, Datanode, etc
CO-3	Able to develop MapReduce applications to analyze Big Data related to the real world use cases
CO-4	Acquire knowledge of storing and maintaining data in cluster, reading data from and writing data to Hadoop cluster

Title of the Course : *Data Mining and Data Analysis*

CO-1	To Analyze the data using statistical methods
CO-2	Compare various conceptions of data mining as evidenced in both research and application
CO-3	Evaluate mathematical methods underlying the effective application of data mining.

CO-4	Characterize various kinds of patterns that can be discovered by Association rule mining.
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ECONOMICS

Title of the Course : <i>Micro Economics</i>	
CO-1	The differences between microeconomic analysis and macroeconomic analysis
CO-2	Various laws and principles of microeconomic theory under consumption
CO-3	Consumer's equilibrium and consumer's surplus using indifference curve analysis.
CO-4	Application of the concept of demand its elasticity and relationship with AR and MR
CO-5	Draws critical diagrams and graphs to explain and Examine the application of various laws and principles of micro economics analysis.
Title of the Course : <i>Macro Economics</i>	
CO-1	Various concepts, definitions, laws and principles of macroeconomic theory with reference to income, employment, money, banking and finance.
CO-2	Understands the difference between various concepts and components of national income with illustrations and methods of measuring national income.
CO-3	Various terms, concepts, laws and principles, theories relating to income, employment, consumption, investment, money, price level and phases of trade cycles.
CO-4	Functions of commercial banks and central bank, creation and control of credit
Title of the Course : <i>Development Economics</i>	

CO-1	Students are able to know the Distinction between growth and development with examples.
CO-2	Students will come to know the characteristics of developing and developing economies and distinction between the two
CO-3	Students will come to understand the factors contributing to development, Choice of Techniques and a few important models and strategies of growth
CO-4	Will understand about the role and importance of various financial and other institutions in the context of India's economic development.

Title of the Course : *Economic Development -India & Andhra Pradesh*

CO-1	Available Resources, demographic issues, general problems of poverty and unemployment and relevant policies
CO-2	Sector specific problems, remedial policies and their effectiveness relating to Agriculture and Industries.
CO-3	Indian Tax system, recent changes, issues of public expenditure and public debt, recent finance commissions and devolution of funds.
CO-4	Major issues of economic development of Andhra Pradesh after bifurcation and Central assistance

Title of the Course : *Statistical Methods for Economics*

CO-1	Importance of statistics and its applications and methods of classification of primary data.
CO-2	Uses of Correlation and Regression analysis, Time Series and Index Numbers in economic analysis.
CO-3	Different kinds of statistical problems using various principles and formulae relating to Central tendency and Measures of Dispersion.
CO-4	Will be able to draw critical diagrams and graphs like Histogram, Bar diagram, Pie diagram, Frequency Polygon.

Title of the Course : *Agricultural Economics*

CO-1	Nature and Scope of Agricultural Economics. Factors affecting agricultural development: technological, institutional and general. Interdependence between agriculture and industry.
CO-2	Growth and productivity trends in Indian agriculture with special reference to Andhra Pradesh. Agrarian reforms and their role in economic development.
CO-3	Systems of farming, farm size and productivity relationship in Indian agriculture with special reference to Andhra Pradesh- New agriculture strategy and Green revolution : and its Impact
CO-4	Emerging trends in production, processing, marketing and exports; policy controls and regulations relating to industrial sector with specific reference to agro-industries in agri- business enterprises.

Title of the Course : *Banking and International Trade*

CO-1	Trade Cycles - meaning and definition - Phases of Trade Cycle -Inflation - definition types of inflation - causes and effects of inflation measures to control inflation.
CO-2	Banking-Meaning and definition -Functions of Commercial Banks - Concept of Credit creation-Functions of RBI -
CO-3	Recent developments in banking sector -NBFIs – Types, Growth of NBFIs --Money market Defects of Indian money markets
CO-4	Concepts of Shares-Debentures - Stock Market – Functions-Primary and Secondary Markets - SEBI-Insurance-Life Insurance and General Insurance
CO-5	Importance of International Trade - Regional and International Trade – Balance of Trade and Balance of Payment.

HISTORY

Title of the Course : *Ancient Indian History & Culture (from Indus Valley Civil. to 13th AD)*

CO-1	Identify and define various kinds of sources and understand how history books are framed.
CO-2	Compare and contrast various stages of progress from IVC to Vedic age and the Jain, Buddhist and Vedic faiths.

CO-3	Critically examines the nature of monarchic rule and develop comprehensive understanding of cultural evolution during ancient period.
CO-4	Increase the awareness and appreciation of Transition from Territorial States to Emergence of Empires.
Title of the Course : <i>Medieval Indian History & Culture(1206 AD to 1764 AD)</i>	
CO-1	Understand the socio, economic and cultural conditions of medieval India
CO-2	Describe the advent of Islam in India and study the traces of political and cultural expansion of Turks & Afghans
CO-3	Students will understand the Administration, art and architecture of Vijayanagar Rulers, Mughals and also analyse the rise of the Marathas and the contribution of Shivaji
CO-4	Evaluate the establishment of the British rule in India and understand the dangerous consequences disunity at all levels.
Title of the Course : <i>Modern Indian History & Culture (1764-1947 AD)</i>	
CO-1	Unearth the true nature of the British rule and its disastrous impact on Indian economy and society
CO-2	Assess the causes and effects of Reformation movements and also inspire the public to overthrow inequalities of the present day society
CO-3	Rise above petty parochial issues after understanding the sacrificial saga of freedom Struggle
CO-4	Evaluate the undercurrent of communal politics that led to India's partition and identify the enemies of India's integrity and sovereignty
Title of the Course : <i>History & Culture of Andhra (From 1512 to 1956 AD)</i>	
CO-1	Students will understands the Interpretation of social and political and cultural transformation from medieval to modern Andhra

CO-2	Relate key historical developments during medieval period occurring in coastal Andhra and Telangana regions and analyze socio - political and economic changes under QutbShahi rulers
CO-3	Outline the issues related to caste, women, widow remarriage, child marriage, social reforms and the laws and policies of colonial administration towards these issues
CO-4	Apply the knowledge of the regional history to understand the regional, linguistic and other cultural aspirations of the present day society.
Title of the Course : <i>History of Modern World (From 15th Century AD to 1945 AD)</i>	
CO-1	Students will be able to demonstrate advanced factual knowledge of world histories, politics, and culture
CO-2	Evaluate the causes for the Glorious Revolution and American Revolution and identify the background for the evolution of human rights movement
CO-3	Know how the world wars affected people all over the world and the destruction they caused
CO-4	Develop the intellectual curiosity and habits of thought that will lead to life-long learning and continued engagement with European history, literature, culture, languages, and current affairs and acquire advanced international and intercultural competency through coursework in international studies

MATHEMATICS

Title of the Course : <i>Differential Equations</i>	
CO-1	Solve Linear Differential Equations
CO-2	Convert Non-Exact homogeneous equations to exact differential equations by using integrating factors
CO-3	Know the Methods of finding solutions differential equations of the first order but not of first degree

CO-4	Solve higher order linear differential equations, both homogeneous and non-homogenous equations with constant coefficients
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CO-5	Understand the concept and apply appropriate methods for solving differential equations
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Title of the Course : *Three Dimensional Analytical Solid Geometry*

CO-1	Get the knowledge of Planes
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CO-2	Basic idea of lines, Sphere and Cone
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CO-3	Understand the properties of planes, lines, spheres and cones
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CO-4	Express the problems geometrically and then to get the solution
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Title of the Course : *Abstract Algebra*

CO-1	Acquire the basic knowledge and structure of groups, subgroups and cyclic groups
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CO-2	Get the significance of the notation of a normal subgroups
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CO-3	Get the behaviour of permutations and operations on them
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CO-4	Study the homomorphisms and Isomorphisms with applications
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CO-5	Understand the ring theory concepts with the help of knowledge in group theory and to prove the theorems
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CO-6	Understand the applications of ring theory in various fields
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Title of the Course : *Real Analysis*

CO-1	Get clear idea about the real numbers and real value functions
CO-2	Obtain the skills of analyzing the concepts and applying appropriate methods for testing convergence of a sequence/ series.
CO-3	Test the continuity and differentiability and Riemann Integration of a function.
CO-4	Know the geometrical interpretation of mean value theorems.

Title of the Course : *Linear Algebra*

CO-1	Understand the concepts of vector spaces, subspaces, basis, dimension and their properties.
CO-2	Understand the concepts of linear transformations and their properties.
CO-3	Apply Cayley- Hamilton theorem to problems for finding the inverse of a matrix and higher powers of matrices without using routine methods
CO-4	Learn the properties of inner product spaces and determine orthogonality in inner product spaces.

Title of the Course : *Ring Theory & Vector Calculus*

CO-1	Understand the concepts of Rings, Boolean Rings, Commutative and Non-commutative rings, ZeroDivisors, Integral domains, Division Rings, Fields and Characteristic of a Ring and their properties.
CO-2	Understand the concepts of subrings, Ideals, Principal ideals, Prime Ideals, Maximal ideals and their properties.
CO-3	Understand the concepts of Vector Differentiation, Differential Operators, Gradient, Divergent, Curl and their Properties.
CO-4	Understand the concepts of Vector Integration, Line, Surface and Volume Integrals.
CO-5	Understand the concepts of Gauss Divergence Theorem, Green's Theorem in a Plane, Stoke's Theorem and their Applications.

Title of the Course : *Integral Transforms*

CO-1	Understand the concepts of Application of Laplace Transforms to Solutions Differential Equations with Constant Coefficients.
CO-2	Understand the concepts of Application of Laplace Transforms to Solutions Differential Equations with Variable Coefficients.
CO-3	Understand the concepts of Application of Laplace Transforms to Solutions Differential Equations with Partial Differential Equations.
CO-4	Understand the concepts of Application of Laplace Transforms to Integral Equations.

Title of the Course : *Numerical Analysis*

CO-1	Understand the concepts of Numbers and their accuracy, Significant Digits, Rounding off Numbers and Errors and Types of Errors.
CO-2	Understand the concepts of Solutions of Algebraic and Transcendental Equations.
CO-3	Understand the concepts of Finite Differences and their properties and Missing Terms.
CO-4	Understand the concepts of Interpolation with equal intervals and Interpolation with unequal intervals.

Title of the Course : Advanced Numerical Analysis

CO-1	Understand the concepts of Least Square Curve Fitting Method, Fitting a Straight Line, Fitting an Exponential Function, Fitting a Power function and Fitting a Second Degree Parabola.
CO-2	Understand the concept of Numerical Differentiation.
CO-3	Understand the concept of Numerical Integration.
CO-4	Understand the concepts of Numerical Solution of Linear Systems of Simultaneous Equations

CO-5	Understand the concepts of Numerical Solution of Ordinary Differential Equations.
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PHYSICS

Title of the Course : Mechanics, Waves and Oscillations	
CO-1	Understand Newton's laws of motion and motion of variable mass system and its application to rocket motion and the concepts of impact parameter, scattering cross section
CO-2	Apply the rotational kinematic relations, the principle and working of gyroscope and its applications and the precessional motion of a freely rotating symmetric top.
CO-3	Comprehend the general characteristics of central forces and the application of Kepler's laws to describe the motion of planets and satellite in circular orbit through the study of law of Gravitation.
CO-4	Appreciate the formulation of the problem of coupled oscillations and solve them to obtain normal modes of oscillation and their frequencies in simple mechanical systems.
CO-5	Figure out the formation of harmonics and overtones in a stretched string and acquire the knowledge on Ultrasonic waves, their production and detection and their applications in different fields.
CO-6	Appreciate the formulation of the problem of coupled oscillations and solve them to obtain normal modes of oscillation and their frequencies in simple mechanical systems.
CO-7	Figure out the formation of harmonics and overtones in a stretched string and acquire the knowledge on Ultrasonic waves, their production and detection and their applications in different fields
Title of the Course : <i>Wave Optics</i>	
CO-1	Understand the phenomenon of interference of light and its formation in (i) Lloyd's single mirror due to division of wave front and (ii) Thin films, Newton's rings and Michelson interferometer due to division of amplitude.

CO-2	Describe the construction and working of zone plate and make the comparison of zone plate with convex lens.
CO-3	Explain the various methods of production of plane, circularly and polarized light and their detection and the concept of optical activity.
CO-4	Explain about the different aberrations in lenses and discuss the methods of minimizing them.
CO-5	Examine the nature of black body radiations and the basic theories.

Title of the Course : *Heat and Thermo dynamics*

CO-1	Understand the basic aspects of kinetic theory of gases, Maxwell-Boltzmann distribution law, equipartition of energies, mean free path of molecular collisions and the transport phenomenon in ideal gases
CO-2	Gain knowledge on the basic concepts of thermodynamics, the first and the second law of thermodynamics, the basic principles of refrigeration, the concept of entropy, the thermodynamic potentials and their physical interpretations.
CO-3	Understand the working of Carnot's ideal heat engine, Carnot cycle and its efficiency
CO-4	Differentiate between principles and methods to produce low temperature and liquefy air and also understand the practical applications of substances at low temperatures.
CO-5	Examine the nature of black body radiations and the basic theories.

Title of the Course : *Electricity, Magnetism and Electronics*

CO-1	Understand the Gauss law and its application to obtain electric field in different cases and formulate the relationship between electric displacement vector, electric polarization, Susceptibility, Permittivity and Dielectric constant.
CO-2	Distinguish between the magnetic effect of electric current and electromagnetic induction and apply the related laws in appropriate circumstances.

CO-3	Understand Biot and Savart's law and Ampere's circuital law to describe and explain the generation of magnetic fields by electrical currents.
CO-4	Phenomenon of resonance in LCR AC-circuits, sharpness of resonance, Q- factor, Power factor and the comparative study of series and parallel resonant circuits.
CO-5	Understand the operation of basic logic gates and universal gates and their truth tables.
CO-6	Describe the operation of p-n junction diodes, zener diodes, light emitting diodes and transistors
CO-7	Understand the operation of basic logic gates and universal gates and their truth tables.

Title of the Course : *Modern Physics*

CO-1	Develop an understanding on the concepts of Atomic and Modern Physics, basic elementary quantum mechanics and nuclear physics.
CO-2	Develop critical understanding of concept of Matter waves and Uncertainty principle.
CO-3	Get familiarized with the principles of quantum mechanics and the formulation of Schrodinger wave equation and its applications.
CO-4	Get familiarized with the nano materials, their unique properties and applications.
CO-5	Increase the awareness and appreciation of superconductors and their practical applications
CO-6	Get familiarized with the nano materials, their unique properties and applications.
CO-7	Increase the awareness and appreciation of superconductors and their practical applications.

Title of the Course : *Renewable Energy*

CO-1	Students will be able to Acquire knowledge on solar radiation principles with respect to solar energy estimation.
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CO-2	Get familiarized with various renewable energy resources collecting techniques and usage.
CO-3	Learn the solar photovoltaic technology principles and different types of solar cells for energy conversion and different photovoltaic applications.
CO-4	Understand the working principles of several solar appliances like Solar cookers, Solar hot water systems.
CO-5	Understand the principles of wind energy, ocean energy, and bio energy resources as alternate renewable energy
CO-6	Understand the concepts of Ocean energy and techniques.
CO-7	Understand bio energy resources as alternate renewable energy.

POLITICAL SCIENCE

Title of the Course : <i>Introduction to Political Science</i>	
CO-1	Recall the previous knowledge about Political Science and understand the nature and scope, traditional and modern approaches of Political Science
CO-2	Understand concepts intrinsic to the study of Political Science.
CO-3	Have solid theoretical understanding of Rights and its theories along with the basic aspects of certain political ideologies.
CO-4	Apply the knowledge to observe the field level phenomena
Title of the Course : <i>Basic Organs of the Government</i>	
CO-1	Understand the Origin and Evolution of the concept of Constitutionalism and classification of Constitutions.
CO-2	Acquaint themselves with different theories of origin of State.

CO-3	Understand and analyses organs and forms of Governments along with a deep insight into the various agents involved in the political process.
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CO-4	Apply the knowledge to analyse and evaluate the existing systems
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Title of the Course : *Indian Government and Politics*

CO-1	Acquire knowledge about the historical background of Constitutional development in India, appreciate philosophical foundations and salient features of the Indian Constitution.
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CO-2	Analyze the relationship between State and individual interms of Fundamental Rights and Directive Principles of State Policy.
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CO-3	Understand the composition of and functioning of Union Government as well as State Government and finally
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CO-4	Acquaint themselves with the judicial system of the country and its emerging trends such as judicial reforms
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Title of the Course : *Indian Political Process*

CO-1	Know and understand the federal system of the country and some of the vital contemporary emerging issues.
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CO-2	Evaluate the electoral system of the country and to identify the areas of electoral reforms.
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CO-3	Know the constitutional base and functioning of local governments with special emphasis on 73rd& 74th Constitutional Amendment Acts.
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CO-4	Understand the dynamics of Indian politics, challenges faced and gain a sensitive comprehension to the contributing factors.
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CO-5	Propose theoretical outline alternate models
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CO-6	Apply the knowledge and critically comprehend the functioning of some of the regulatory and governance institutions.
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Title of the Course : *Western Political thought*

CO-1	Understand the fundamental contours classical, western political philosophy, basic features of medieval political thought and shift from medieval to modern era.
CO-2	Understand the Social Contract Theory and appreciate its implications on the perception of State in terms of its purposes and role.
CO-3	Acquaint with the Liberal and Marxist philosophy and analyze some trends in Western Political Thought.
CO-4	Critically analyse the evolution of western political thought

Title of the Course : *Indian Political Thought*

CO-1	Students will learn the writings and thoughts articulated by Indian thinkers.
CO-2	The course will also enable the students to understand the emergence and articulation of socio-political issues such as statecraft, nationalism, socialism, satyagraha, swadeshi etc. from an Indian perspective.

Title of the Course : *Principles Of Public Administration*

CO-1	The students will be able to make a difference between the public administration and private administration.
CO-2	They will be able to explain the journey of discourse in public administration in the sense that how the old public administration views was contested by the idea of new public administration.
CO-3	Students will learn about Principles of Organization, Basis of Departmentalization and Motivational Concepts.

STATISTICS

Title of the Course : *Descriptive Statistics*

CO-1	Knowledge of statistics and its use and importance in various areas such as Medical, Engineering, Agricultural and Social Science etc.
CO-2	Knowledge of various types of data, their organization and evaluation of summary measures such as measures of central tendency and dispersion etc.
CO-3	knowledge of other types of data reflecting quality characteristics including concepts of independence and association between two attributes,
CO-4	Knowledge of correlation, regression analysis, regression diagnostics, partial and multiple correlations.

Title of the Course : *Probability Theory And Distributions*

CO-1	Ability to distinguish between random and non-random experiments,
CO-2	Knowledge to conceptualize the probabilities of events including frequentist and axiomatic approach.
CO-3	Knowledge related to concept of discrete and continuous random variables and their probability distributions including expectation and moments.
CO-4	Acumens to apply standard discrete and continuous probability distributions to different situations.

Title of the Course : *Statistical Inference*

CO-1	Concept of law of large numbers and their uses
CO-2	Concept of central limit theorem and its uses in statistics
CO-3	Knowledge about important inferential aspects such as point estimation, test of hypotheses and associated concepts
CO-4	Knowledge about inferences from binomial, Poisson and Normal distribution as illustrations,

Title of the Course : *Sampling Techniques and Design of Experiments*

CO-1	Knowledge about comparing various sampling techniques
CO-2	Carry out one way and two way analysis of variance,
CO-3	Understand the basic terms used in design of experiments,
CO-4	Use appropriate experimental designs to analyze the experimental data.

Title of the Course : *Applied Statistics*

CO-1	Time series data, its application to various fields and components of time series,
CO-2	Fitting and plotting of various growth curves such as modified exponential, Gompertz and logistic curve,
CO-3	Fitting of trend by moving average method,
CO-4	Measurement of seasonal indices by Ratio – to – Trend, Ratio – to – Moving average and link relative methods,

ZOOLOGY

Title of the Course : *Animal Diversity – Biology Of Nonchordates*

CO-1	Describe general taxonomic rules on animal classification
CO-2	Classify Protozoa to Coelenterata with taxonomic keys
CO-3	Classify Phylum Platyhelminthes to Annelida phylum using examples from parasitic adaptation and vermin composting
CO-4	Describe Phylum Arthropoda to Mollusca using examples and importance of insects and Molluscs

CO-5	Describe Echinodermata to Hemi chordata with suitable examples and larval stages in relation to the phylogeny
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Title of the Course : *Animal Diversity – Biology of Chordates*

CO-1	Describe general taxonomic rules on animal classification of chordates
CO-2	Classify Protochordata to Mammalia with taxonomic keys
CO-3	Understand Mammals with specific structural adaptations
CO-4	Understand the significance of dentition and evolutionary significance
CO-5	Understand the origin and evolutionary relationship of different phyla from Prochordata to mammalia.

Title of the Course : *Biology of Chordates Cell Biology, Genetics, Molecular Biology and Evolution*

CO-1	To understand the basic unit of the living organisms and to differentiate the organisms by their cell structure.
CO-2	Describe fine structure and function of plasma membrane and different cell organelles of eukaryotic cell.
CO-3	To understand the history of origin of branch of genetics, gain knowledge on heredity, interaction of genes, various types of inheritance patterns existing in animals
CO-4	Acquiring in-depth knowledge on various aspects of genetics involved in sex determination, human karyotyping and mutations of chromosomes resulting in various disorders
CO-5	Understand the central dogma of molecular biology and flow of genetic information from DNA to proteins.
CO-6	Understand the principles and forces of evolution of life on earth, the process of evolution of new species and apply the same to develop new and advanced varieties of animals for the benefit of the society

Title of the Course : *Animal Physiology, Cellular Metabolism And Embryology*

CO-1	Understand the functions of important animal physiological systems including digestion, cardio-respiratory and renal systems.
CO-2	Understand the muscular system and the neuro-endocrine regulation of animal growth, development and metabolism with a special knowledge of hormonal control of human reproduction.
CO-3	Describe the structure, classification and chemistry of bio molecules and enzymes responsible for sustenance of life in living organisms
CO-4	Develop broad understanding the basic metabolic activities pertaining to the catabolism and anabolism of various bio molecules
CO-5	Describe the key events in early embryonic development starting from the formation of gametes up to gastrulation and formation of primary germ layers.

Title of the Course : *Immunology and Animal Biotechnology*

CO-1	To get knowledge of the organs of Immune system, types of immunity, cells and organs of immunity.
CO-2	To describe immunological response as to how it is triggered (antigens) and regulated (antibodies)
CO-3	Understand the applications of Biotechnology in the fields of industry and agriculture including animal cell/tissue culture, stem cell technology and genetic engineering.
CO-4	Get familiar with the tools and techniques of animal biotechnology

Title of the Course : *Animal Biotechnology Outcomes*

CO-1	To describe the structure of animal gene and genomes.
CO-2	To describe how genes are expressed and what regulatory mechanisms contribute to control of gene expression.

CO-3	To describe basic principles and techniques in genetic manipulation and genetic engineering
CO-4	Understand the applications of Biotechnology in the fields of industry and agriculture including animal cell/tissue culture, stem cell technology and genetic engineering
CO-5	Get familiar with the tools and techniques of animal biotechnology.
Title of the Course : <i>Animal Husbandry Outcomes</i>	
CO-1	It provides employment to a large number of farmer and their by increases their living standards.
CO-2	It helps in developing high yielding breeds of animals by cross breeding. This increases the production of various food products such as Milk, Eggs, Meat, Etc.

M.Sc-Computer Science

Title of the Course : <i>Data Structures using C</i>	
CO-1	To impart programming skills using the basics of C language
CO-2	To develop using the right one in different data structure available
CO-3	To train them using data structures such as arrays, linked lists, stacks and queues
CO-4	Ability to work with arrays and structures
CO-5	To develop the skill of applying algorithm of sorting and searching
Title of the Course : <i>Object Oriented Programming Using Java</i>	

CO-1	Understand the concept and underlying principles of Object-Oriented Programming
CO-2	Develop problem-solving and programming skills using OOP concepts
CO-3	Develop the ability to solve real-world problems through software development in high-level programming language like Java
CO-4	Understand how object-oriented concepts are incorporated into the Java programming language
CO-5	Develop efficient Java applets and applications using OOP concept

Title of the Course : *Computer Organization*

CO-1	To acquire the basic knowledge of digital logic levels and application of knowledge to understand digital electronics circuits.
CO-2	To understand the structure, function and characteristics of computer systems
CO-3	To understand the design of the various functional units and components of computers.
CO-4	Understand the basics of hardwired and micro-programmed control of the CPU
CO-5	Learn about various I/O devices and the I/O interface

Title of the Course : *Discrete Mathematical Structures*

CO-1	Demonstrate the ability to write and evaluate a proof or outline the basic structure of and give examples of each proof technique described
CO-2	Understand the basic principles of sets and operations in sets.
CO-3	Details of Boolean algebra

CO-4	Demonstrate an understanding of relations and functions
CO-5	Demonstrate different traversal methods for graphs
Title of the Course : <i>Software Engineering</i>	
CO-1	Ability to gather and specify requirements of the software projects
CO-2	Ability to analyze software requirements with existing tools
CO-3	Able to understand and apply the basic project management practices in real life projects
CO-4	Ability to work in a team as well as independently on software projects
Title of the Course : <i>Web Technologies</i>	
CO-1	To design interactive web pages using HTML and Style sheets
CO-2	To practice latest web technologies and tools by conducting experiments
CO-3	To understand the web architecture and web services.
CO-4	To study the framework and building blocks of .NET Integrated Development Environment.
Title of the Course : <i>Database Management System</i>	
CO-1	Understand the fundamental concepts of DBMS with special emphasis on relational data model.

CO-2	Understand the fundamental concepts of DBMS with special emphasis on relational data model.
CO-3	Model database using ER Diagrams and design database schemas based on the model.
CO-4	Create a small database using SQL and Store, Retrieve data from database.

Title of the Course : *Operating System*

CO-1	Understand Operating System Architectural design and its services.
CO-2	Understand various process management concepts including scheduling, synchronization, and deadlocks.
CO-3	Comprehend different approaches for memory management.
CO-4	Specify objectives of modern operating systems and describe how operating systems have evolved over time.

Title of the Course : *Computer Networks*

CO-1	Identify the key issues for the realization of the LAN/WAN/MAN network architectures and the hybridized existing form in the business environment and enterprise.
CO-2	Physical layer, theoretical basis for data communication, guided transmission media, wireless transmission, and communication satellites.
CO-3	Understanding the basic protocols involved in Ethernet, IEEE 802.2, Bluetooth
CO-4	Network layer, switching and routing, packet vs. circuit switching, protocols and services, internetworking protocols, IP, ICMP, ARP, DHCP, and VPN. Routing principles, the network layer and its usage in the Internet

Title of the Course : *Design and Analysis of Algorithms*

CO-1	Solving certain problems using divide and conquer strategy
CO-2	Solving knapsack problem using greedy method and also dynamic programming
CO-3	How to solve complex problems using backtracking method
CO-4	Domains where branch and bound technique has to be used

Title of the Course : *Python Programming*

CO-1	Able to Basics of python language
CO-2	Able to Control structures, Dictionaries, Encoding and decoding
CO-3	Able to Understanding objects, Design of modules, recursions
CO-4	Able to understand GUI, Events

Title of the Course : *Net Programming*

CO-1	Understand .NET Framework and describe some of the major enhancements to the new version of Visual Basic
CO-2	Create a Web form with various controls using ASP.NET
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CO-4	Display dynamic data from a data source by using Microsoft ADO.NET and data binding.

Title of the Course : *Object Oriented Modelling and Designing using UML*

CO-1	Analyze, design, document the requirements through use case driven approach
CO-2	Comprehend the concept of state modeling approaches for system design and implementation issues for various interaction models
CO-3	Create interaction diagrams that model the dynamic aspects of a software system
CO-4	Understand various concepts of System design, class design

Title of the Course : *Artificial Intelligence*

CO-1	Understanding about Importance of Artificial Intelligence, Different search algorithms and their significance, Need of a Heuristic Algorithm
CO-2	To acquire knowledge of Programming of AI, Different ways of representing knowledge using rules
CO-3	To acquire knowledge of Representation of varying knowledge, Different planning techniques
CO-4	Importance of developing an expert system and their applications
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Title of the Course : *Microprocessors And Interfacing*

CO-1	Develop understanding on instructon set and format, Directives and operators
CO-2	Develop understanding on procedure communication, macros
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Title of the Course : *Cryptography and Network Security*

CO-1	To acquire Knowledge about Different types of attacks, Symmetric encryption mechanisms, Important Symmetric algorithms
CO-2	Develop understanding regarding Asymmetric cryptosystem, Encryption using private
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Title of the Course : *Data Mining and Big Data*

CO-1	Ability to identify the characteristics of datasets and compare the trivial data and big data for various applications.
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CO-3	Able to understanding big data latest technology foundations

CO-4	Acquire fundamental enabling techniques and scalable algorithms Hadoop, Map Reduce, HDLC architecture, HBase architecture in big data analytics.
Title of the Course : <i>Internet of Things</i>	
CO-1	Able to Familiarized with IoT Terminology, Understand the concept of IoT
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CO-1	Able to Understand the concepts of Parallel and Distributed Computing
CO-2	To identify the architecture and infrastructure of cloud computing, including SaaS, PaaS, IaaS, public cloud, private cloud, hybrid cloud, etc
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M.Sc -Organic Chemistry

Title of the Course : <i>Foundation for Chemistry</i>	
CO-1	The student will understand the required tools in analytical and inorganic Estimations.
CO-2	Understanding of various types of reaction intermediates and the bonding present in various Organic compounds.
CO-3	Students are able to understand the basics on various environmental concerns.
CO-4	Students know about types of various biomolecules and their functions with reference to structure.

Title of the Course : *Inorganic Chemistry*

CO-1	The student will understand the VSPER theory, symmetric and unsymmetrical Hydrogen bonds in Inorganic molecules.
CO-2	Understanding the Crystal field theory and Jahn Teller Effects.
CO-3	The Students are able to understand the basics of molecular orbital theory and energetic of Hybridization.
CO-4	The Students are able to understand the Jobs method, hard and soft acids and bases.
CO-5	The students are able to understand the study of age compounds of oxygen, phosphorous and Sulphur compounds and also, isopoly and heteropoly anions.

Title of the Course : *Organic Chemistry*

CO-1	Students can able to understand aromaticity in Benenoid compounds and Non-Benzenoid compounds
CO-2	Students are able to understand formation of various heterocyclic compounds and their synthesis and importance.
CO-3	Students can understand the importance of natural products in medicinal chemistry
CO-4	Students can able to write the stereo chemical forms for different organic molecules.
CO-5	Understand the conformations of acyclic, monocyclic and fused ring systems and applying in to organic compounds.

Title of the Course: *Physical Chemistry*

CO-1	Students can able to understand the classical thermo dynamics, fugacity.
CO-2	Students are able to understand Kelvin equation, Gibbs-Adsorption equation - BET equation.
CO-3	Students are able to understand the Classification of surface-active agents.
CO-4	Students are able to understand the Electrochemical cells, Liquid junction potential
CO-5	Understand the complex reactions, chain reactions

Title of the Course: *Essential Lab techniques for Industry*

CO-1	The student will understand advantage of chromatographic separation and application on various reactions
CO-2	The student will understand the advantage of HPLC & GC techniques over conventional Separation techniques.
CO-3	The student will know the exchange of ions taking place in ion exchange chromatography.
CO-4	The student will know the procedure of analyzing the elements using AAS & ICP- OES.
CO-5	The students understand the working principles and advantages of the UV, IR, NMR, ESR, TEM, SEM- techniques

Title of the Course: *Inorganic Chemistry*

CO-1	The student will understand the various metal clusters and metal π complexes.
CO-2	Understanding the reactions of organo metallic compounds and its applications.
CO-3	The students are able to understanding the reaction mechanism in transition metal complexes, anation reactions, and complementary reactions.
CO-4	The students are able to understand the Orgel diagrams and electronic spectra of transition metal complexes.
CO-5	The study of magnetic properties and anomalous magnetic moments of transition complexes.

Title of the Course: *Organic Chemistry*

CO-1	Students understand the mode of addition reactions involving addition by electrophile and nucleophiles over unsaturated bonds between carbons.
CO-2	Students understand and apply the substitution and elimination reaction mechanisms at aliphatic and aromatic substrates for various reactions leading to research.
CO-3	Understand how to protect various functional groups in organic synthesis and can apply the same to novel molecules useful for research also.
CO-4	Students understand the mechanisms of studied named reactions and their applications in organic synthesis.

Title of the Course: *Physical Chemistry*

CO-1	Students understand the Third law of thermodynamics, Maxwell-Boltzmann distribution law and Sackur – Tetrode equation.
CO-2	Students understand the Free radical, ionic and Zeigler -Natta Polymerization.
CO-3	Students understand the Butler – Volmer equation and Ilkovic equation.
CO-4	Students understand the Branching Chain Reactions, Enzyme catalysis and Photochemical equilibrium.
CO-5	Students understand the free energy change in biochemical reactions, exergonic and endergonic

Title of the Course: *Organic Spectroscopy-I*

CO-1	Students can understand the fundamentals of spectroscopic techniques and apply to investigate the structural information of molecules.
CO-2	It can provide a platform to get the awareness towards UV, FTIR, ¹ H NMR and ESR Spectrometry which aims to apply this knowledge towards research.

Title of the Course: *Organic Synthesis & Reaction Mechanisms-I*

CO-1	Students can understand the fundamental tools required for the determination of reaction mechanisms.
CO-2	Students can able to apply the reagents and approaches for various synthetic reactions involving oxidations and reductions
CO-3	The knowledge on asymmetric synthesis provides a platform for carryout various stereo chemical reactions wherever necessary to apply towards research.

Title of the Course: *Alkaloids, Terpenoids, Quinones and Phenothiazines*

CO-1	Students can understand the definitions and importance of various alkaloids
CO-2	Students can understand the structure elucidation and also know the synthetic processes application and synthetic methods of studied alkaloids
CO-3	Basic ideas of isoprene rule, Terpenoids classification, their natural sources, synthesis.
CO-4	Students can understand the structure characterization and synthesis of Quinones and Phenothiazines.

Title of the Course: *Chemistry of Natural Products-I Core Elective-I*

CO-1	Students can understand the classification and general methods of synthesis of various flavonoids.
CO-2	Students can understand the synthesis of fat- and water-soluble vitamins
CO-3	To know the classification of hormones, and synthesis of some steroidal and non-steroidal hormones
CO-4	Students can able to understand functions, structures and synthesis amino acids, proteins, enzymes, cofactors and Prostaglandins
CO-5	Students able to understand different types of naturally occurring insecticides and their specific and commercial importance.

Title of the Course: *Applications of Synthetic Products Other Elective –I*

CO-1	The students able to understand dyes and their industrial importance.
CO-2	The students understand the cleansing action of soaps, manufacture of cosmetics and use of flavors and sweetness.
CO-3	The students able to understand effects of pesticides and insecticides to the environment.
CO-4	The students understand about explosive materials and preparation & use of polymers in industries.

Title of the Course: *Organic Spectroscopy-II Paper-I*

CO-1	Students can understand the fundamentals of ^{13}C NMR and Mass spectroscopic techniques and apply to investigate the structural information of molecules.
CO-2	It can provide ability to apply the spectroscopy knowledge for the structural elucidation of natural products and stereo chemistry of organic compounds
CO-3	It also provides platform for awareness towards ^{13}C NMR and Mass Spectrometry which aims to apply these knowledge towards research.

Title of the Course: *Organic Synthesis & Reaction Mechanisms-II Paper-II*

CO-1	Students understand the basics of C-C single and double bond formations and Diels–Alder reactions.
CO-2	Students learnt the terminology and develop skills in writing retro-synthetic routes for target molecules with one and two functional groups
CO-3	Students learnt different approaches in photochemical and pericyclic reactions
CO-4	Students are able to understand the terminology and able to know selectivity in asymmetric synthesis and also able to apply the approaches in organic synthetic

Title of the Course: *Chemistry of Antibiotics and Drugs Paper-III*

CO-1	Students under the basics on antibiotics, their importance and various drugs used in medicinal chemistry.
CO-2	Students are able to understand chemistry and synthesis of antimalarials, sulpha drugs, Antiseptic and antifungals used in medicine.
CO-3	Students can identify the classification of herbal drugs in various types and understand their therapeutic efficacy and isolation methods.

Title of the Course: *Advanced Organic Chemistry Core Elective-II (CE-II) Paper-IV*

CO-1	Students able to understand novel named reactions and applications in modern organic synthesis.
CO-2	Students understand the importance and principles of green chemistry, microwave assisted reactions and know applying the green synthesis to organic reactions.
CO-3	Students know current importance of Nano chemistry in various fields and their synthetic methods (Solid and Gase phase).
CO-4	It provides the knowledge of using organoboranes and organ silanes in synthesis.
CO-5	Students understand requirements of guest and host and formation of building blocks of supra-molecular chemistry

Title of the Course: *Forensic Science - In Solving Crime Other Elective (OE-II) PAPER-V*

CO-1	The definition and difference between Forensic Science and Criminalists.
CO-2	The major contributors to the development of Forensic Science.
CO-3	Importance of physical evidence. To Learn Forensic Technology solving crimes with advanced technology
CO-4	Explain the steps typically required to maintain appropriate health and safety standards at the crime scene.

M.A-Telugu

Title of the Course: *Sampradaya Sahityam - Natakam*

CO-1 Uniqueness of epics Ramayana and Maha bharatha will be learned.

CO-2 The students will have the understanding of the dramatic Literature.

Title of the Course: *Bhasha Sastram*

CO-1 The student will understand evolution and characteristics of language.

CO-2 The students will understand linguistic sounds in language and structure and formation of sentences

Title of the Course: *Telugu Sahitya Charitra*

CO-1 Gain a broad understanding of the evolution of Telugu literature.

CO-2 By introducing students to the creative language used by poets and writers. They can fulfil their artistic needs.

Title of the Course: *Bala vyakaranam*

CO-1 Students will have knowledge on various forms and processes of Telugu literature

Title of the Course: *Modern Trends in Telugu Poetry*

CO-1 Students will understand on various movements in Telugu -literature like Bhavakavitha udyamam, Abhudaya Kavitha, Udyamam etc.,

Title of the Course: *Modern Poetry*

CO-1 Students will have to learn about uniqueness and characteristics of Modern Poetry.

Title of the Course: *Charithraka Bhasha Sastram*

CO-1 Students will have knowledge on Dwani, Ardhaviparinama, Dravidian languages, dialects etc.,

Title of the Course: *Telugu Sahitya Charitra*

CO-1 Awareness on Telugu literature during the Period of Prabhandam Yugam and Nayaka Rajulu

CO-2 Full-fledged knowledge of on modern literary practices like Novel Kathanika, Vyasam, Natakam etc.,

Title of the Course: *Bala vyakaranam*

CO-1 Students will have learn about Bala vyakaranam – Telugu grammar.

Title of the Course: *Modern Trends in Telugu Poetry*

CO-1 Awareness generated on feminist literature and Dalit literature

CO-2 Learned about Modern Trends like symbolism serialism, Imagism etc.,

Title of the Course: *Sampradaya Sahitya Vimarsa*

CO-1 Know about Kavya Hetuvulu and Kavya Bhedalu etc., characteristics of Modern Poetry.

CO-2 Gain knowledge on Rasa Siddantha and Navarasas.

Title of the Course: *Telugu Bhasha Vikasam*

CO-1 Uniqueness of Telugu words like Andhramu - Telugu - Tenuguto be learned

CO-2 Knowledge up on Native linguistics and words in other language

Title of the Course: *Folk literature*

CO-1 Gain knowledge on Folklore, Folk literature Ballads, riddles Pro-verbs etc.,

Title of the Course: *Prouda Vyakaranam*

CO-1 Understanding on various Prasa and Yathi Discrimination

CO-2 Gain knowledge about metaphors.

Title of the Course: *Telugu Sahityam Mahilabhudayam*

CO-1 Gain knowledge on conditions of matriarchal system

CO-2 Students will get the awareness about the conditions of women from the ancient period to modern age.

Title of the Course: *Telugu culture*

CO-1 Students will aware on cultural aspects.

CO-2 Changes emerged in culture and civilization from ancient period to modern age

Title of the Course: *Structure of Modern Telugu*

CO-1 Gain knowledge on language related skills and be able to utilize the language skills wherever necessary.

CO-2 Can obtain excellent employment opportunities in creative and print and electronic media fields.

Title of the Course: *Telugu Fiction & Short story*

CO-1 Gain knowledge about concept and Nature of Telugu Novel

CO-2 Gain knowledge about Beginning and development of short stories in Telugu literature.

Title of the Course: *Sanskrit*

CO-1 Gain Knowledge about History of Sanskrit literature.

CO-2 The students will learn in Sanskrit grammar, about the Sabuda's and dhatus

Title of the Course: *Writings to the Media*

CO-1 To know How to write various medias