



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

COURSE OUTCOMES

BOTANY	
SUBJECT	COURSE OUTCOMES
PLANT DIVERSITY I ALGAE	· Relate to the structural organization, reproduction and significance of algae.
	· Demonstrate knowledge in understanding the various life cycle patterns and the fundamental concepts in algal growth
	· Explain the benefits of various algal technologies on the ecosystem
	· .Compare and contrast the thallus organization and modes of reproduction in algae.
	· Determine the emerging areas of Algal Biotechnology for identifying commercial potentials of algal products and their uses.
BASICS OF BOTANY	· Increase the awareness and appreciation of human friendly algae and their economic importance.
	· Develop an understanding of microbes and fungi and appreciate their adaptive strategies
	· Develop critical understanding on morphology, anatomy and reproduction of Bryophytes, Pteridophytes and Gymnosperm
	· Compare the structure and function of cells and explain the development of cells.
	· Understand the core concepts and fundamentals of plant biotechnology and genetic engineering.
FUNGI, BACTERIA, VIRUSES, PLANT PATHOLOGY AND LICHENS	1. Recognize the general characteristics of microbes, fungi and lichens and disease symptoms.
	2. Develop an understanding of microbes, fungi and lichens and appreciate their adaptive strategies based on structural organization
	3. Identify the common plant diseases, according to geographical locations and device control measures
	4. Analyze the emerging trends in fungal biotechnology with special reference to agricultural and pharmaceutical applications.
	5. Determine the economic importance of microbes, fungi and lichens.
ORGANIC FARMING	1. Recognize the different forms of biofertilizers and their uses.
	2. Explain and interpret the components, patterns, and processes of bacteria for growth in crop production.
	3. Apply techniques for synthesizing green manure and develop



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	strategies to increase crop yield.
	4. Analyze and decipher the significance of biofertilizers in soil fertility.
	5. Develop new strategies to enhance growth and quality check of medicinal herbs considering the practical issues pertinent to India.
MUSHROOM CULTIVATION	1. Recall various types and categories of mushroom.
	2. Explain about various types of food technologies associated with mushroom industry.
	3. Apply techniques studied for cultivation of various types of mushroom.
	4. Analyze and decipher the environmental factors and economic value associated with mushroom cultivation
	5. Develop new methods and strategies to contribute to mushroom production.
PLANT DIVERSITY-III BRYOPHYTES AND PTERIDOPHYTES	1. Recognize morphological variations of Bryophytes and Pteridophytes.
	2. Explain the anatomy and reproduction of Bryophytes and Pteridophytes.
	3. Compare and contrast the variations in the internal cellular organization, gametophyte and sporophyte of Bryophytes and Pteridophytes.
	4. Decipher the stages of plant evolution and their transition to land habitat.
	5. Assess the useful role of Bryophytes and Pteridophytes.
PLANT DIVERSITY III: BRYOPHYTES AND PTERIDOPHYTES	1. Recognize the major groups of Non-vascular and Vascular cryptogams
	2. Describe the structure of Bryophytes and Pteridophytes forms prescribed in the syllabus.
	3. Identify and illustrate the morphological and anatomical features of bryophytes and Pteridophytes.
	4. Develop comprehensive skills in sectioning and micro preparation.
	5. Interpret the significance of reproductive structures in Bryophytes and Pteridophytes.
CHEMISTRY FOR BIOLOGICAL SCIENCES I	CO1: state the theories of chemical bonding, nuclear reactions and its applications.
	CO 2: evaluate the efficiencies and uses of various fuels and fertilizers.
	CO 3: explain the type of hybridization, electronic effect and mechanism involved in the organic reactions.
	CO 4: demonstrate the structure and uses of antibiotics, anaesthetics, antipyretics and artificial sugars.
	CO 5: analyse various methods to identify an appropriate method for the separation of chemical components.
ENTREPRENEURIAL	1. Relate to how various fields of botany could be understood



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

OPPORTUNITIES IN BOTANY	with an entrepreneurial approach.
	2. Explain the concept of Entrepreneurial Opportunities in Botany.
	3. Make of the knowledge gained to start new venture using Plant tissue culture and plant products for commercial exploitations
	4. Decipher effective ways of making bioproducts like organic acids, solvents, beverages, enzymes, antibiotics, mushrooms, biogas and etc.
	5. Develop new strategies to describe marketing and business management strategy including the role of IPR and bioethics regulations for licensing.
HERBAL TECHNOLOGY	1. Define and describe the principle of cultivation of herbal products.
	2. List the major herbs, their botanical name and chemical constituents.
	3. Apply techniques for monitoring drug adulteration through the biological testing.
	4. Analyze and decipher the significance of various methods of harvesting, drying and storage of medicinal herbs.
	5. Develop the skills for cultivation of plants and their value added processing / storage
GYMNOSPERMS, PALEOBOTANY AND EVOLUTION	1. Relate to the general characteristics of Gymnosperms and fossil forms
	2. Explain about the morphology and anatomy Gymnosperms.
	3. Compare and contrast the reproductive structures of Gymnosperms & fossil forms.
	4. Analyze the anatomy and reproduction Gymnosperms along with their ecological and economical importance.
	5. Determine the various fossilization methods and their significance in paleobotany.
PRACTICAL-IV : GYMNASPERMS, PALEOBOTANY AND EVOLUTION	1. Analyze and observe and record the morphological features of selected species of Gymnosperms..
	2. Describe the structure of fossil forms prescribed in the syllabus.
	3. Identify and Illustrate the morphological and anatomical features of gymnosperms.
	4. Develop comprehensive skills in sectioning and micro preparation.
	5. Interpret the significance of reproductive structures in gymnosperms.
CHEMISTRY PRACTICAL FOR BIOLOGICAL SCIENCES – II	CO 1: gain an understanding of the use of standard flask and volumetric pipettes, burette.
	CO 2: design, carry out, record and interpret the results of volumetric titration.
	CO 3: apply their skill in the analysis of water/hardness.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO4: analyze the chemical constituents in allied chemical products
FERMENTATION TECHNOLOGY	1. Enumerate the significance of industrially useful microbes.
	2. Explain the design and operation of industrial practices in mass production of fermented products.
	3. Explain the process of maintenance and preservation of microorganisms.
	4. Analyze the various aspects of the fermentation technology and apply for fermentative production.
	5. Validate the experimental techniques for microbial production of enzymes: amylase and protease, bio product recover.
ENVIRONMENTAL IMPACT ANALYSIS	1. Enumerate the fundamental concepts and significance of environmental impact assessment.
	2. Explain the important steps of EIA process.
	3. Interpret the environmental appraisal and procedures in India.
	4. Decipher how to prepare the various documents required by state and federal regulations.
	5. Develop their own perspectives on impact assessment and be able to solve problems related to environment.
CHEMISTRY PRACTICAL FOR BIOLOGICAL SCIENCES – II	CO 1: gain an understanding of the use of standard flask and volumetric pipettes, burette.
	CO 2: design, carry out, record and interpret the results of volumetric titration.
	CO 3: apply their skill in the analysis of water/hardness.
	CO4: analyze the chemical constituents in allied chemical products
FERMENTATION TECHNOLOGY	1. Enumerate the significance of industrially useful microbes.
	2. Explain the design and operation of industrial practices in mass production of fermented products.
	3. Explain the process of maintenance and preservation of microorganisms.
	4. Analyze the various aspects of the fermentation technology and apply for fermentative production.
	5. Validate the experimental techniques for microbial production of enzymes: amylase and protease, bio product recover.
ENVIRONMENTAL IMPACT ANALYSIS	1. Enumerate the fundamental concepts and significance of environmental impact assessment.
	2. Explain the important steps of EIA process.
	3. Interpret the environmental appraisal and procedures in India.
	4. Decipher how to prepare the various documents required by state and federal regulations.
	5. Develop their own perspectives on impact assessment and be able to solve problems related to environment.
PLANT MORPHOLOGY,	1. Define the concepts in plant morphology and rules of



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

TAXONOMY AND ECONOMIC BOTANY	IUCN in botanical nomenclature.
	2. Classify systems of plant classification and recognize the importance of herbarium and virtual herbarium.
	3. Describe the core concepts of economic Botany and relate its applications in human life.
	4. Analyze the characters of the families according to the Bentham and Hooker's system of classification.
	5. Assess terms and concepts related to Phylogenetic Systematics.
PLANT ANATOMY AND EMBRYOLOGY	1. Relate to the fundamental concepts of plant anatomy and embryology.
	2. Describe the internal tissue organization of various plant organs.
	3. Elucidate the stages of normal and abnormal secondary growth.
	4. Compare the structural organization of flower in relation to the process of pollination and fertilization.
	5. Access the various anatomical adaptations in plants.
PRACTICAL-V : Covering Core IX (PLANT MORPHOLOGY, TAXONOMY AND ECONOMIC BOTANY)s	1. Recognize the distinguishing plant morphological characters.
	2. Identify locally available plants to their respective families.
	3. Develop comprehensive skills in field identification, collection of specimens, writing technical description, botanical drawings and herbaria preparation.
	4. Construct floral diagram and write floral formula for a given flower.
	5. Validate the plant specimen by analyzing and dissecting the vegetative and floral characters.
CELL BIOLOGY, GENETICS AND PLANT BREEDING	1. Enumerate the structure and functions of cells, cellular structures and organelles.
	2. Explain about cell cycle, cell division and laws of inheritance with suitable examples.
	3. Elucidate concepts of sex determination and sex linked inheritance.
	4. Analyze the importance of genes interactions at population and evolutionary levels.
	5. Develop conceptual understanding of plant genetic resources, plant breeding, gene bank and gene pool.
BIO-ANALYTICAL TECHNIQUES	1. Relate to the various biological techniques and its importance.
	2. Explain the principles of Light microscopy, compound microscopy, Fluorescence microscopy and electron microscopy.
	3. Apply suitable strategies in data collections and disseminating research findings.
	4. Compare and contrast the significance of different types of chromatography techniques.
	5. Develop methodologies for extraction and analysis of



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	biochemical compounds.
AQUATIC BOTANY	1. Recognize aquatic plants and their ecological importance. 2. Explain about commonly occurring marine and limnetic algae of the Indian coasts. 3. Apply techniques for conservation of aquatic plants for value addition. 4. Analyze and decipher the significance and properties of mangroves, other aquatic angiosperms and microalgae. 5. Develop new strategies to conserve mangroves and device innovative methods for cultivation of aquatic plants.
ENTREPRENEURIAL BOTANY	1. Recognize the significance of government agencies for entrepreneurship development. 2. Explain about entrepreneurial values, risk assessment and solutions 3. Make use of entrepreneurial opportunities. 4. Analyze and decipher the significance of bioventure and value added products. 5. Devise innovative methods for making value added products.
PLANT ECOLOGY AND PHYTOGEOGRAPHY	1. Relate to the significance of the biotic and abiotic components of the ecosystems and energy flow. 2. Summarize the phytogeographical division of India. 3. Explain the implication of pollution on the environment. 4. Analyze the implications of functional and behavioral ecology in natural and man-made areas, biodiversity and conservation. 5. Develop mitigations for the effective conservation of biodiversity and disaster management.
PLANT BIOTECHNOLOGY AND MOLECULAR BIOLOGY	1. Recognize the fundamentals concepts of plant biotechnology and genetic engineering. 2. Explain various steps in transcription, protein synthesis and protein modification. 3. Elucidate gene cloning and evaluate different methods of gene transfer. 4. Analyze the major concerns and applications of transgenic technology. 5. Develop their competency on different types of plant tissue culture.
PLANT PHYSIOLOGY AND PLANT BIOCHEMISTRY	1. Relate to water relation of plants with respect to various physiological phenomenon. 2. Explain the process and significance of photosynthesis and respiration. 3. Elucidate properties of nutrients and their deficiency symptoms in plants. 4. Analyze the biological role of plant growth regulators, carbohydrates, proteins, lipids, nucleic acids and enzymes. 5. Decipher the phenomenon of seed dormancy and



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	germination in plants.
HORTICULTURE	1. Enumerate the concepts in horticulture and nursery management.
	2. Demonstrate a working knowledge on biology of soil, compost making, designing and planning of garden, pest, diseases and nutrient management practices.
	3. Appraise the importance of floriculture and evaluate the contribution of spices and condiments on economy.
	4. Analyze different methods of weed control in horticultural crops.
	5. Develop their competency on pre and post-harvest technology in horticultural crops.
COMPUTER APPLICATIONS IN BOTANY	1. Recognize advanced resources for accessing scholarly literature from the internet.
	2. Explain the concept of databases and use of different public domain for DNA and proteins sequence retrieval.
	3. Apply various software resources with advanced functions to carry out analysis of data procured through research.
	4. Decipher the effective utilization of bibliography management software while typing and downloading citations.
	5. Determine how the knowledge gained can be used for designing experiments and data interpretation.
CULTIVATION OF ALGAE	1. Obtain an in-depth knowledge on culture and mass cultivation of algae and its different methods.
	2. Exploration and recommendation of the commercial potential of algal products.
	3. Understand the applied facet of algology and acquire a complete knowledge about the cultivation methods in algae.
	4. Describe the preparation of seaweed liquid fertilizers and their applications in agriculture and horticulture.
	5. Acquiring the information about algal applications in different industries and agriculture fields in the current scenario.
PROFESSIONAL COMPETENCY SKILL: BOTANY FOR COMPETITIVE EXAMINATIONS	1. Identify and define different groups of plants with their taxonomic position
	Compare the different groups of plants and evaluate their economic importance
	2. List down the general characters of Bryophytes, Pteridophytes and Gymnosperms
	Classify the types of fossils and recognize the fossil beds of Tamil Nadu
	Analyse and trace the origin of different plant groups using Geological Time scale
	3. Appreciates the morphology of plant and analyse different modifications of plant organs.
	Explore the major Herbaria of the world and recognize the importance.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	4. Differentiate Prokaryotic and Eukaryotic cell.
	Evaluate the significance of cell division.
	Justify the cause for the sex linked inheritance.
	Tabulate the different cell organelles with their functions.
	5. Define and appreciate biodiversity.
	Identify the cause and solve environmental related issues .
	Design eco friendly approaches to protect earth and generate new conservation strategies.

PG BOTANY	
SUBJECT	COURSE OUTCOMES
PLANT DIVERSITY - I ALGAE, FUNGI, LICHENS AND BRYOPHYTES	1. Relate to the structural organizations of algae, fungi, lichens and Bryophytes.
	2. Demonstrate both the theoretical and practical knowledge in understanding the diversity of basic life forms and their importance.
	3. Explain life cycle patterns in algae, fungi, lichens and Bryophytes.
	4. Compare and contrast the mode of reproduction in diverse groups of basic plant forms.
PTERIDOPHYTES, GYMNASPERMS AND PALEOBOTANY	1. Recall on classification, recent trends in phylogenetic relationship, general characters of Pteridophytes and Gymnosperms.
	2. Learn the morphological/anatomical organization, life history of major types of Pteridophytes and Gymnosperms.
	3. Comprehend the economic importance of Pteridophytes, Gymnosperms, and fossils.
	4. Understanding the evolutionary relationship of Pteridophytes and Gymnosperms.
	5. Awareness on fossil types, fossilization and fossil records of Pteridophytes and Gymnosperms.
COVERING THEORY PAPERS I AND II	1. Recall and applying the basic keys to distinguish at species level identification of important algae and fungi through its structural organizations.
	2. Demonstrate practical skills in thallophytes, Pteridophytes and Gymnosperms.
	3. Describe the structure of algae, fungi, lichens, Bryophytes, Pteridophytes and Gymnosperms.
	4. Determine the importance of structural diversity in the evolution of plant forms.
	5. Formulate techniques to isolate and culture of alga and fungi as well as to understand the diversity of plant forms.
MICROBIOLOGY,	1. Recognize the general characteristics of microbes, plant defense



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

IMMUNOLOGY AND PLANT PATHOLOGY	and immune cells.
	2. Explain about the stages in disease development and various defense mechanisms in plants and humans.
	3. Elucidate concepts of microbial interactions with plant and humans.
	4. Analyze the importance of harmful and beneficial microbes and immune system
	5. Determine and interpret the detection of pathogens and appreciate their adaptive strategies.
CONSERVATION OF NATURAL RESOURCES AND POLICIES	1. Understand the concept of different natural resources and their utilization.
	2. Critically analyze the sustainable utilization land, water, forest and energy resources
	3. Evaluate the management strategies of different natural resources
	4. Reflect upon the different national and international efforts in resource management and their conservation.
	5. State the various environmental policy passed to conserve the natural resources.
MUSHROOM CULTIVATION	1. Knowledge on identification of edible and toxic mushrooms belonging to Ascomycota and Basidiomycota.
	2. Outline the nutraceutical properties of edible mushrooms.
	3. Knowledge on cultivation techniques of edible and medicinal mushrooms.
	4. Understand the harvest and post-harvest techniques of mushroom crops.
	5. Knowledge on the production and marketing strategies for mushrooms.
HORTICULTURE	1. Identify and categorize various horticultural plants and the conditions that affect their growth and productivity.
	2. Explain the various structures and growth processes of horticultural plants.
	3. Demonstrate the propagation, growth, and maintenance of plants in horticulture systems.
	4. Correlate the soil characteristics and fertility to good plant growth.
	5. Utilize the role plant tissue culture techniques in the production of quality planting stock in horticulture.
	6. Apply horticultural skills and knowledge to explore career opportunities in horticulture industry.
ETHNOBOTANY, NATUROPATHY AND TRADITIONAL HEALTHCARE	1. Recall or remember concept of ethnobotany.
	2. Understand the life style and traditional practices of plants by Indian tribals.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<ol style="list-style-type: none">3. Highlight the role of Non-Timber Forest products for livelihood of tribal people of India4. Assess the methods to transform ethnobotanical knowledge into value added products.5. Build idea to make digitization of ethnobotanical knowledge.
ALGAL TECHNOLOGY	<ol style="list-style-type: none">1. Understand the applied facet of botany and acquire a complete knowledge about the cultivation methods in algae.2. Realization of the commercial potential of algal products.3. Analyze emerging areas of algal biotechnology for identifying therapeutic importance of algal products and their uses.4. Gain more information about algae genetics.5. Translate various algal technologies for the benefit of the ecosystem.
PLANT ANATOMY AND EMBRYOLOGY OF ANGIOSPERMS	<ol style="list-style-type: none">1. Learn the structures, functions and roles of apical vs lateral meristems in monocot and dicot plant growth.2. Study the function and organization of woody stems derived from secondary growth in dicot and monocot plants.3. Apply their idea on sectioning and dissection of plants to demonstrate various stages of plant development.4. Understand the various concepts of plant development and reproduction.5. Profitably manipulate the process of reproduction in plants with a professional and entrepreneurial mindset.
TAXONOMY OF ANGIOSPERMS AND ECONOMIC BOTANY	<ol style="list-style-type: none">1. Recollect the basic concepts of morphology of leaves, flowers. Identify the types of compound leaves, inflorescence and fruits. Describe their characteristic features2. Explain the principles of taxonomy. Summarize the taxonomic hierarchy. Define Binomial nomenclature. Group Activity -Construct key preparation3. Explain the various types of classification. Distinguish its advantages and disadvantagesConstruction of floral formula and floral diagram.4. Illustrate and explain the characteristic features and list out the economic importance of the families. Field trip to local botanical garden and regional botanical garden.5. Illustrate and explain the characteristic features and list out the economic importance of the families.
LABORATORY/ PRACTICAL COURSE-II- COVERING CORE PAPERS, IV AND V	<ol style="list-style-type: none">1. To gain recent advances in plant morphological and floral characteristics.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<ol style="list-style-type: none">2. Understand about different floral characteristics and artificial key preparation which employed for plant identification and conservation.
	<ol style="list-style-type: none">3. Recall or remember the information including basic and advanced in relation with plant anatomy and embryology.
	<ol style="list-style-type: none">4. Apply their idea on sectioning and dissection of plants to demonstrate various stages of plant development.
	<ol style="list-style-type: none">5. Know about different vegetation sampling methods.
MEDICINAL BOTANY	<ol style="list-style-type: none">1. Recognize plants and relate to their medicinal uses
	<ol style="list-style-type: none">1. Explain about the phytochemistry, pharmacognosy and bioprospecting of medicinal plant extracts.
	<ol style="list-style-type: none">2. Apply techniques for conservation and propagation of medicinal plants.
	<ol style="list-style-type: none">3. Analyze and decipher the significance of various methods of harvesting, drying and storage of medicinal herbs.
	<ol style="list-style-type: none">4. Develop new strategies to enhance growth and quality check of medicinal herbs considering the practical issues pertinent to India.
RESEARCH METHODOLOGY, COMPUTER APPLICATIONS & BIOINFORMATICS	<ol style="list-style-type: none">1. Realize the need of centrifuges and chromatography and their uses in research
	<ol style="list-style-type: none">2. Learn the principles and applications of electrophoresis.
	<ol style="list-style-type: none">3. Construct the phylogenetic trees for similar characteristic feature of plant genomes and study de novo drug design through synthetic biology.
	<ol style="list-style-type: none">4. Understand the concept of pairwise alignment of DNA sequences using algorithms.
	<ol style="list-style-type: none">5. Interpret the features of local and multiple alignments.
BIOPESTICIDE TECHNOLOGY	<ol style="list-style-type: none">1. Understand the issues in use of chemical pesticides and their harmful effects on life.
	<ol style="list-style-type: none">2. Aware the significance of biopesticides and their beneficial role in controlling insect pests, diseases, nematodes and weeds.
	<ol style="list-style-type: none">3. Knowledge on identification of promising biopesticides and their mechanisms of action against insect pests, diseases, nematodes and weeds.
	<ol style="list-style-type: none">4. Learn the mass production and formulation technology of selected biopesticides.
	<ol style="list-style-type: none">5. Knowledge on product development for commercialization of biopesticides.
APPLIED BIOINFORMATICS	<ol style="list-style-type: none">1. Familiarize with the tools of DNA sequence analysis.
	<ol style="list-style-type: none">2. Use and explain the application of bioinformatics.
	<ol style="list-style-type: none">3. Master the aspects of protein-protein interaction, BLAST and PSI-BLAST.
	<ol style="list-style-type: none">4. Describe the features of local and multiple alignments.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	5. Interpret the characteristics of phylogenetic methods and bioinformatics applications.
BIostatistics	1. Create and interpret visual representations of quantitative information, such as graphs or charts.
	2. Solve problems quantitatively using appropriate arithmetical, algebraic, or statistical methods
	3. Know the latest version using in statistical tools and apply the tools to interpret the results
	4. To develop their competence in hypothesis testing and interpretation.
	5. Understand why biologists need a background in statistics.
Intellectual Property Rights	1. Recall the history and foundation of Intellectual Property.
	2. Understand the differences of Property and Assets and Various Categories of Intellectual Creativity.
	3. Apply the methods to protect the Intellectual Property.
	4. Differentiate if the Said Intangible property be protected under law or protected by strategy.
	5. Create a recommendation document on the methods and procedures of protecting the said IP and search documents to substantiate them.
Plant Physiology and Plant Metabolism	1. Relate understand properties and importance of water in biological system, nutrients and its translocation.
	2. Demonstrate the importance of light in plant growth and the harvest of energy.
	3. Explain the energy requirement and nitrogen metabolism.
	4. Compare the various growth regulators that influence plant growth.
	5. Discuss the senescence and plant response to environmental stress.
Ecology, Phytogeography, Conservation Biology & Intellectual Property Rights	1. Understand the scope and importance of population ecology, plant communities and ecosystem ecology.
	2. Understand the applied aspect of environmental botany.
	3. Students will spot the sources and pollution and seek remedies to mitigate and rectify them.
	4. Identify different plant communities, categorize plant biomes and identify threatened, endangered plant species and create awareness program in protection of biodiversity.
	5. Analyze insight into the vegetation types, species interaction and their importance and the factors influencing the environmental conditions
Genetics, Plant Breeding & Biostatistics	1. Understand the Mendel's Law of inheritance and gene interactions.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<ol style="list-style-type: none">2. Analyze the various factors determining the heredity from one generation to another.3. Explain Gene mapping methods: Linkage maps.4. Compare and contrast the genetic basis of breeding self and cross – pollinated crops.5. Discuss and develop skills for statistical analysis of biological problems.
CORE X: PRACTICAL -III- COVERING CORE PAPERS VII, VIII & IX	<ol style="list-style-type: none">1. To gain recent advances in plant morphological and floral characteristics.2. Understand about different floral characteristics and artificial key preparation which employed for plant identification and conservation.3. Recall or remember the information including basic and advanced in relation with plant anatomy and embryology.4. Apply their idea on sectioning and dissection of plants to demonstrate various stages of plant development.5. Know about different vegetation sampling methods.
ELECTIVE – V- SECONDARY PLANT PRODUCTS AND FERMENTATION BIOTECHNOLOGY	<ol style="list-style-type: none">1. Critically analyze the types of bioreactors and the fermentation process.2. Evaluate the role of microorganisms in industry.3. Analyze the types of bioreactors.4. Create to understand the significance of intrinsic and extrinsic factors on growth of microorganism.5. Evaluate the concept of downstream processing.
ELECTIVE – V- ENTREPRENEURIAL OPPORTUNITIES IN BOTANY	<ol style="list-style-type: none">1. Students can acquire knowledge about organic farming and their advantages2. Analyze both the theoretical and practical knowledge in understanding various horticultural techniques.3. To develop kitchen garden or terrace garden in their living area.4. Evaluate the horticultural techniques to students can develop self employment and economical improvement.5. Create and develop skills for mushroom cultivation.
ELECTIVE – V- SILVICULTURE AND COMMERCIAL LANDSCAPING	<ol style="list-style-type: none">1. Tounderstand the importance and divisions of horticulture.2. Demonstrate the art of floriculture and landscape gardening.3. Explain plant propagation and fruit crop cultivation.4. Compare and contrast the vegetable cultivation and kitchen gardening.5. Discuss and develop skills for effective understanding on landscaping and components of gardens.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

MUSHROOM CULTIVATION	1. Knowledge on identification of edible and toxic mushrooms belonging to Ascomycota and Basidiomycota.
	2. Outline the nutraceutical properties of edible mushrooms.
	3. Knowledge on cultivation techniques of edible and medicinal mushrooms.
	4. Understand the harvest and post harvest techniques of mushroom crops.
	5. Knowledge on the production and marketing strategies for mushrooms.
ORGANIC FARMING	1. Knowledge on various aspects of organic farming.
	2. Understand the relevance of organic farming, its advantages.
	3. Explain the short comings against conventional high input agriculture.
	4. Compare the packaging methods of harvest.
	5. Discuss and develop skills for post harvest management.
SUMMER INTERNSHIP	1. For students in those pertinent core areas, the internship is preparing them to become professionals after graduation.
	2. Compile data and familiarize yourself with techniques for planning and carrying out tests.
	3. Collect data and educate yourself on how to analyze the results of your scientific studies.
	4. This in-the-moment industrial exposure helps them become more knowledgeable and skilled in the latest technology.
	5. Improving communication skills and coming up with creative ideas are crucial components of training that help someone become an entrepreneur.
CELL AND MOLECULAR BIOLOGY	1. Recall a plant cell structure and explain its function.
	2. Illustrate and explain the structure of various cell organelles.
	3. Explain the structure and functional significance of nucleic acid.
	4. Compare and contrast the DNA replication (prokaryotes and eukaryotes), enzymes involved in replication, DNA repair
	5. Discuss and develop skills for DNA / gene manipulating and the enzymes involved.
BIOCHEMISTRY & APPLIED BIOTECHNOLOGY	1. Knowledge on the fundamentals and significance of Plant Biochemistry
	2. Understanding on the structure and properties of plant biomolecules.
	3. Explain the role of enzymes in plants.
	4. Compare and contrast the methods of transgenic plants production and natural plants.
	5. Discuss and develop skills for effective utilization of microbial/plant enzymes and their role in biological cells.
Forestry and Wood	1. Knowledge on various aspects of Forest Botany



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

Technology	2. Understand the importance and of different forests
	3. Analyze the ecological significance of forests
	4. To understand the dynamics of the forest
	5. Understanding on various Indian forests laws and acts
FARM SCIENCES - GREEN WEALTH	1. To identify the importance of agronomy and its scope.
	2. Demonstrate both the theoretical and practical knowledge in weed management principles.
	3. Explain the methods of herbicide and fertilizer application.
	4. Compare and contrast the yield estimation and water management.
	5. Discuss and develop skills for effective conservation, harvesting and storage methods.
SKILL ENHANCEMENT (SE2)- NURSERY AND GARDENING	1. Recognize the basic process required for growing and maintaining plants in nurseries.
	2. Explain the different methods of plant propagation and various gardening styles.
	3. Apply techniques for effective hardening of plants and computer applications for creative gardening.
	4. Compare and contrast cultivation of different vegetables and growth of plants in nursery and gardening.
	5. Develop new strategies to enhance growth and quality of nursery plants3.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

BBA	
SUBJECT	COURSE OUTCOMES
Principles of Management	1. Describe nature, scope, role, levels, functions and approaches of management
	2. Apply planning and decision making in management
	3. Identify organization structure and various organizing techniques
	4. Understand Direction, Co-ordination & Control mechanisms
	5. Relate and infer ethical practices of organisation.
Accounting for Managers	1. Prepare Journal, ledger, trial balance and cash book
	2. Classify errors and making rectification entries
	3. Prepare final accounts with adjustments
	4. Pass depreciation entries and prepare depreciation accounts
	5. Prepare single and double entry system of accounting.
Managerial Economics	1. Analyze & apply the various economic concepts in individual & business decisions.
	2. Explain demand concepts, underlying theories and identify demand forecasting techniques.
	3. Employ production, cost and supply analysis for business decision making
	4. Identify pricing strategies
	5. Classify market under competitive scenarios.
Business Organisation	1. To introduce the concepts and forms of business organization and provide insights into advertising and stock exchange.
	2. To learn about the various forms of business organization and the process of setting a new venture entity under a country's legal-economic structure
	3. To explore the international prospects of trade and business under globalization and understand the working of different functionaries of business
	4. To acquaint the students with the forms of business organization.
	5. To create the Knowledge about Business



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

Basics of Event Management	1. To understand basics of event management
	2. To design events
	3. To study feasibility of organising an event
	4. To gain Familiarity with marketing & promotion of event
	5. To develop event budget
Managerial Communication	1. Understand communication process and its barriers.
	2. Develop business letters in different scenarios
	3. Develop oral communication skills & conducting interviews
	4. Use managerial writing for business communication
	5. Identify usage of modern communication tools & its significance for managers
MARKETING MANAGEMENT	1. To list and identify the core concepts of Marketing and its mix.
	2. To sketch the market segmentation, nature of product, PLC
	3. To analyze the appropriate pricing methods
	4. To determine the importance of various media
	5. To assess the sales force and applications of digital marketing
Business Environment	1. To understand the concepts of Business Environment.
	2. To apply knowledge in the business and strategic decisions.
	3. To analyze the importance of business.
	4. To evaluate the types of business environment and its global impact.
	5. To construct and stimulate environment for real-time business.
International Business	1. Discuss the modes of entry to International Business
	2. Explain international trade theories
	3. Understand Foreign exchange market and FDI
	4. Outline the Global Business Environment
	5. Identify the relevance of international institutions and trading blocs.
Principles Of Banking System	1. After studied unit-1, the student will be able to learn the basic concepts of Banking and evolution of banking in India
	2. After studied unit-2, the student will be able to know the relationship between the banker and the customer
	3. After studied unit-3, the student will be able to have a clear picture about RBI and commercial banks



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>4. After studied unit-4, the student will be able to understand the different types of negotiable instruments</p> <p>After studied unit-5, the student will be able to know the e-banking system and small, foreign banks</p>
MANAGERIAL SKILL DEVELOPMENT	<p>1. Identify the personal qualities that are needed to sustain in the world of work.</p> <p>2. Explore more advanced Management Skills such as conflict resolution, empowerment, working with teams and creating a positive environment for change.</p> <p>3. Acquire practical management skills that are of immediate use in management or leadership positions.</p> <p>4. Employ critical-thinking and analytical skills to investigate complex business problems to propose viable solutions.</p> <p>5. Make persuasive presentations that reveal strong written and oral communication skills needed in the workplace.</p>
INTERNET AND ITS APPLICATIONS	<p>1. Describe basic concepts of business etiquette and corporate grooming.</p> <p>2. Outline the etiquette and grooming standards followed in business environment and the significance of communication</p> <p>3. Create cultural awareness and moral practices in real life workplace scenarios</p> <p>4. Analyze workplace courtesy and resolve ethical issues with respect to etiquette and grooming for success</p> <p>5. Apply the professionalism in the workplace considering diversity and courtesy</p>
BUSINESS REGULATORY FRAMEWORK	<p>1. Explain Indian Contracts Act.</p> <p>2. Understand Sales of goods act and Contract of Agency.</p> <p>3. Understand Indian Companies Act 1956</p> <p>4. Understand Consumer Protection Act – RTI</p> <p>5. Understand Cyber law</p>
PRODUCTION AND MATERIALS MANAGEMENT	<p>1. Provide comprehensive outlook on basic concepts, and practices of production.</p> <p>2. Identify right plant location and plant layout of factory</p> <p>3. Know work study & method study, its procedure & quality control techniques in production</p> <p>4. Outline inventory control concepts and its replenishment to manage inventory</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	5. Discuss purchase management procedure and identify vendor rating mechanisms
BUSINESS STATISTICS	1. Measures of Central Tendency
	2. Measures of Variation
	3. Analyze of Time Series
	4. Understand Index Numbers
	5. Test Hypothesis
ACCOUNTING FOR BUSINESS	1. Interpret cost sheet & write comments.
	2. Compare cost, management & financial accounting.
	3. Analyze the various ratio and compare it with standards to assess deviations
	4. Estimate budget and use budgetary control
	5. Evaluate marginal costing and its components
NEW VENTURE MANAGEMENT	1. Understand the concept of entrepreneurship and skill sets of an entrepreneur.
	2. Assess new venture opportunities & analyze strategic choices in relation to new ventures.
	3. Develop a credible business plan for real life situations.
	4. Coordinate a team to develop and launch and manage the new venture through the effective leadership.
	5. Evaluate different sources for financing new venture
COMPUTER APPLICATION IN BUSINESS	1. Demonstrate hands on experience with Ms-word for business activities
	2. Demonstrate hands on experience with Ms-Excel for business activities
	3. Demonstrate hands on experience with Ms-power point for business activities
ORGANIZATIONAL BEHAVIOUR	1. To define Human behaviour at work place.
	2. To apply motivation, leadership and learning theories at work place.
	3. To analyze the complexities and solutions of human behaviour.
	4. To explain issues relating to individual and group behaviour.
	5. To create a congenial climate in the organization.
SERVICES MARKETING	1. To define and understand the concepts of Services Marketing.
	2. To Examine and apply Marketing Mix in Service Marketing.
	3. To analyze and design various strategies in the field of Services Marketing.
	4. To evaluate the role of delivering Quality Service.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

OPERATION RESEARCH	5. To design the tools of Marketing.
	1. Analyse Linear Programming
	2. Analyse Transportation problem
	3. Analyse Assignment problem
	4. Analyse Network models
CONSUMER BEHAVIOR	5. Analyse Game Theory
	1. Describe concepts underlying consumer behaviour
	2. Evaluate the influence of internal and external factors on consumer consumption preferences.
	3. Interpret the power of individual influences on decision making and consumption.
	4. Identify & outline the significance of Motivation, Personality & Attitude with consumer behavior.
TALLY	5. Relate consumer learning, involvement & decision making.
	1. To understand about the basic accounting and Tally. ERP 9
	2. Identify the maintained of Ledger and inventory system
	3. Creation of various vouchers and bill wise details
	4. Understand various taxes returns and filing
INTELLECTUAL PROPERTY RIGHTS	5. Relate and infer various reports generated in Tally. ERP 9
	1. Imbibe the knowledge of IPR through various laws
	2. Apply the knowledge of patents
	3. Understand the process of acquiring a trademark
	4. Create an awareness about copyrights
RESEARCH METHODOLOGY	5. Understand geographical indicators
	1. Understand the concepts and principles of Research
	2. Comprehend and decide the usage of design and formulate hypothesis
	3. Analyze data collection sources and tools
	4. Summarize and establish solutions through data analysis
ADVERTISING AND SALES MANAGEMENT	5. Compare and justify the process of writing and organizing a research report.
	1. Understand the concepts and principles of sales and advertising
	2. Comprehend and decide the usage of mass media
	3. Design and deliver advertisements
	4. Summarize and operationalize sales promotion
FINANCIAL SERVICES	5. Control and justify the process of advertising.
	1. List types of financial services and their role



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<ol style="list-style-type: none">2. Recognize role and functions of merchant banker and capital market3. Compare and contrast factoring, leasing, hire purchase and consumer Finance4. Understand Consumer Finance, Venture capital and credit rating5. Understand mutual funds and its functions
PROJECT WITH VIVA-VOCE	<ol style="list-style-type: none">1. Gain knowledge about Research Project2. Increase knowledge on research problem3. Improve practice in review of literature4. Gain knowledge on Data Collection and Analysis5. Be Proficient in Project Preparation
INDUSTRIAL RELATION	<ol style="list-style-type: none">1. Understand the role and importance of Industrial Relations2. Understanding the concepts of industrial Disputes and settlement.3. Understanding the concepts of Labour legislation.4. Identifying the concepts of Workers Participation in Management5. Understanding the concepts of Trade Union
SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	<ol style="list-style-type: none">1. Recall the meaning of the basic terminologies used in stock market.2. Explain and infer the final worth of various investment processes3. Solve problems relating to various investment decisions4. Analyze theories and problems relating to stock market5. Interpret the various investment models that aid in investment decision making
E-BUSINESS	<ol style="list-style-type: none">1. To define and understand the basic concepts of business done through web2. To Examine and apply web tools in real-time business situations.3. To analyze the security threats in e-business.4. To evaluate strategies for marketing.5. To prepare the environment for e-business.
MANAGEMENT INFORMATION SYSTEM	<ol style="list-style-type: none">1. Understand MIS in decision making2. Explain MIS, its structure and role in management functions3. Classify & discuss information system categories, Database Management systems4. Discuss SDLC and functional information system categories



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	5. Outline functions of BPO, Data mining and the recent trends in information management
HUMAN RESOURCE MANAGEMENT	1. Explain the concepts, functions and process of HRM
	2. Examine the selection and placement process
	3. Evaluate performance appraisal and compensation
	4. Understand labour management strategies and trade union policies
	5. Understand the recent trends in HR
ENTREPRENEURIAL DEVELOPMENT	1. To Understand the role of entrepreneur in economic development.
	2. To sketch ideas and learn to research and patent.
	3. To analyze and draft a business plan.
	4. To assess the process involved in starting a new business.
	5. To elaborate the agencies for funding.
PROFESSIONAL COMPETENCY- SKILL s QUANTITATIVE APTITUDE	1. Use their logical thinking and analytical abilities to solve reasoning questions
	2. Solve questions related to time and distance and time and work
	3. Apply concept of percentages, Profit and loss, discount
	4. Interpret data using bar charts and diagrams
	5. Solve questions relating to Geometry and Mensuration



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

CHEMISTRY	
SUBJECT	COURSE OUTCOMES
GENERAL CHEMISTRY-I	CO1: explain the atomic structure, wave particle duality of matter, periodic properties bonding, and properties of compounds.
	CO2: classify the elements in the periodic table, types of bonds, reaction intermediates electronic effects in organic compounds, types of reagents.
	CO3: apply the theories of atomic structure, bonding, to calculate energy of a spectral transition, Δx , Δp electronegativity, percentage ionic character and bond order.
	CO4: evaluate the relationship existing between electronic configuration, bonding, geometry of molecules and reactions; structure reactivity and electronic effects
	CO5: construct MO diagrams, predict trends in periodic properties, assess the properties of elements, and explain hybridization in molecules, nature of H – bonding and organic reaction mechanisms.
Quantitative Inorganic Estimation (titrimetry) and Inorganic Preparations	CO1: explain the basic principles involved in titrimetric analysis and inorganic preparations.
	CO2: compare the methodologies of different titrimetric analysis.
	CO3: calculate the concentrations of unknown solutions in different ways and develop the skill to estimate the amount of a substance present in a given solution.
	CO4. Identify the end point of various titrations
	CO5 acquire knowledge on the systematic analysis of Mixture of salts., identify the cations and anions in the unknown substance.
ROLE OF CHEMISTRY IN DAILY LIFE	CO5: handle the common apparatus used in volumetric estimation.
	CO1: learn about the chemicals used in everyday life as well as air pollution and water pollution.
	CO2: get knowledge on building materials cement, ceramics, glass and plastics, polythene, PVC bakelite, polyesters,
	CO3: acquire information about Food and Nutrition. Carbohydrates, Proteins, Fats Also have an awareness about Cosmetics Tooth pastes, face powder, soaps and detergents.
	CO4: discuss about the fertilizers like urea, NPK fertilizers and super phosphate. Fuel classification solid, liquid and gaseous; nuclear fuel - examples and uses



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO5: have an idea about the pharmaceutical drugs analgesics and antipyretics like paracetamol and aspirin and also about pigments and dyes and its applications
23UCHEC33 GENERAL CHEMISTRY-III	CO1: explain the kinetic properties of gases by using mathematical concepts.
	CO2: describe the physical properties of liquid and solids; identify various types of crystals with respect to its packing and apply the XRD method for crystal structure determinations.
	CO3: investigate the radioactivity, nuclear energy and it's production, also the nuclear waste management.
	CO4: write the nomenclature, physical & chemical properties and basic mechanisms of halo organic compounds and alcohols.
	CO5: investigate the named organic reactions related to phenol; explain the preparation and properties of aromatic alcohol including thiol.
PESTICIDE CHEMISTRY	CO 1: teach about the pesticides and their toxicity with respect to structure and category.
	CO 2: explain the preparation and property of pesticides
	CO 3: investigate the pesticide residues, prevention and care
	CO 4: demonstrate the extraction and analytical methods of pesticide residues
	CO 5: make awareness to the public on bio-pesticides
INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS 23UCHES46	CO1: apply error analysis in the calibration and use of analytical instruments, explain theory, instrumentation and application of flame photometry and Atomic Absorption spectrometry
	CO2: explain theory, instrumentation and application of UV visible and Infrared spectroscopy.
	CO3: able to discuss instrumentation, theory and applications of thermal and electrochemical techniques
	CO4: explain the use of chromatographic techniques in the separation and identification of mixtures
	CO5: explain preparation of solutions, stoichiometric calculations



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

SUBJECT	COURSE OUTCOMES
23PCHEC11: ORGANIC REACTION MECHANISM - I	CLO1: To recall the basic principles of organic chemistry.
	CLO2: To understand the formation and detection of reaction intermediates of organic reactions.
	CLO3: To predict the reaction mechanism of organic reactions and stereochemistry of organic compounds.
	CLO4: To apply the principles of kinetic and non-kinetic methods to determine the mechanism of reactions.
	CLO5: To design and synthesize new organic compounds by correlating the stereochemistry of organic compounds
23PCHEC12: STRUCTURE AND BONDING IN INORGANIC COMPOUNDS AND NUCLEAR CHEMISTRY	CO1: Predict the geometry of main group compounds and clusters.
	CO2: Explain about the packing of ions in crystals and apply the radius ratio rule to predict the coordination number of cations.
	CO3: Understand the various types of ionic crystal systems and analyze their structural features.
	CO4: Explain the crystal growth methods.
	CO5: To understand the principles of diffraction techniques and microscopic techniques.
23PCHEE14-1: PHARMACEUTICAL CHEMISTRY	CO1: To identify the suitable drugs for various diseases.
	CO2: To apply the principles of various drug action and drug design.
	CO3: To acquire the knowledge on product development based on SAR.
	CO4: To apply the knowledge on applications of computers in chemistry.
	CO5: To synthesize new drugs after understanding the concepts SAR.
23PCHEE14-2: NANO MATERIALS AND NANO TECHNOLOGY	CO1: To explain methods of fabricating nanostructures.
	CO2: To relate the unique properties of nanomaterials to reduce dimensionality of the material.
	CO3: To describe tools for properties of nanostructures.
	CO4: To discuss applications of nanomaterials.
	CO5: To understand the health and safety related to nanomaterial
23PCHEE15-1: ELECTROCHEMISTRY	CO1: To understand the behaviour of electrolytes in solution and compare the structures of electrical double layer of different models.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>CO2: To predict the kinetics of electrode reactions applying Butler-Volmer and Tafel equations</p> <p>CO3: To study different thermodynamic mechanism of corrosion,</p> <p>CO4: To discuss the theories of electrolytes, electrical double layer, electrostatics and activity coefficient of electrolytes</p> <p>CO5: To have knowledge on storage devices and electrochemical reaction mechanism</p>
23PCHEE15 -2 : MOLECULAR SPECTROSCOPY	<p>CO1: To understand the importance of rotational and Raman spectroscopy.</p> <p>CO2: To apply the vibrational spectroscopic techniques to diatomic and polyatomic molecules.</p> <p>CO3: To evaluate different electronic spectra of simple molecules using electronic spectroscopy.</p> <p>CO4: To outline the NMR, ¹³C NMR, 2D NMR – COSY, NOESY, Introduction to ³¹P, ¹⁹F NMR.</p> <p>CO5: To develop the knowledge on principle, instrumentation and structural elucidation of simple molecules using Mass Spectrometry.</p>
23PCHEE24-1 : MEDICINAL CHEMISTRY	<p>CO1: Introduction of theory of drug receptor interactions.</p> <p>CO2: Describe Antibiotics and explain current trends in antibiotic therapy.</p> <p>CO3: Classify the Antihypertensive agents and diuretics.</p> <p>CO4: Designed to give the knowledge about Antidiabetic and Antifungal agents.</p> <p>CO5: Explain the different types of Analgesics and Antipyretic drugs.</p>
23PCHEE24-2 : GREEN CHEMISTRY	<p>CO1: To recall the basic chemical techniques used in conventional industrial preparations and in green innovations.</p> <p>CO2: To understand the various techniques used in chemical industries and in laboratory.</p> <p>CO3: To compare the advantages of organic reactions assisted by renewable energy sources and non-renewable energy sources.</p> <p>CO4: To apply the principles of PTC, ionic liquid, microwave and ultrasonic assisted organic synthesis.</p> <p>CO5: To design and synthesize new organic compounds by green methods.</p>
23PCHEE25-1: BIO- INORGANIC CHEMISTRY	<p>CO1: The students will be able to analyse trace elements.</p> <p>CO2: Students will be able to explain the biological redox systems.</p> <p>CO3: Students will gain skill in analyzing the toxicity in metals.</p> <p>CO4: Students will have experience in diagnosis.</p> <p>CO5: Learn about the nitrogen fixation and photosynthetic mechanism.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23PCHE26:Industrial CHEMISTRY and COMPUTATIONAL SOFTWARE IN CHEMISTRY	CO1: Students will be able to acquire knowledge of industrial fuels.
	CO2: Illustrate the importance of leather and water industries.
	CO3: Acquire knowledge about small scale industries.
	CO4: Acquire knowledge about chemistry software's .
	CO5: Acquire knowledge about techniques of molecular simulations
23PCHEP34: ANALYTICAL INSTRUMENTATION TECHNIQUES PRACTICALS	CO1: To recall the principles associated with various inorganic organic and physical chemistry experiments
	CO2: To scientifically plan and perform all the experiments
	CO3: To observe and record systematically the readings in all the experiments
	CO4: To calculate and process the experimentally measured values and compare with graphical data.
	CO5: To interpret the experimental data scientifically to improve students efficiency for societal developments
23PCHEE35-1: PHARMOCOGNOSY AND PHYTOCHEMISTRY	CO1: To recall the sources of natural medicines and analysis of crude drugs.
	CO2: To understand the methods of evaluation based on various parameters.
	CO3: To analyze the isolated drugs
	CO4: To apply various techniques to discover new alternative medicines.
	CO5: To evaluate the isolated drugs for various pharmacological activities
23PCHEE35-2:BIOMOLECULES AND HETEROCYCLIC COMPOUNDS	CO1: To understand the basic concepts of biomolecules and natural products.
	CO2: To integrate and assess the different methods of preparation of structurally different biomolecules and natural products.
	CO3: To illustrate the applications of biomolecules and their functions in the metabolism of living organisms.
	CO4: To analyse and rationalise the structure and synthesis of heterocyclic compounds.
	CO5: To develop the structure of biologically important heterocyclic compounds by different methods.
23PCHE36: POLYMER CHEMISTRY	CO1: To understand the bonding in polymers.
	CO2: To scientifically plan and perform the various polymerization reactions.
	CO3: To observe and record the processing of polymers.
	CO4: To calculate the molecular weight by physical and chemical methods.
	CO5: To interpret the experimental data scientifically to improve the quality of synthetic polymers.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23PCHES45: Chemistry for Advanced Research Studies	CO1: To recall the principles associated with various inorganic organic and physical chemistry experiments
	CO2: To scientifically plan and perform all the experiments
	CO3: To observe and record systematically the readings in all the experiments
	CO4: To calculate and process the experimentally measured values and compare with graphical data.
	CO5: To interpret the experimental data scientifically to improve students efficiency for societal developments.

IND CHEMISTRY	
SUBJECT	COURSE OUTCOMES
22UICHC13: GENERAL CHEMISTRY – I	1) Recollect the Chemistry of Quantum Numbers.
	2) Discuss various types of bonding through VB & MO theories.
	3) Name simple Aliphatic and Aromatic Compounds and Illustrate and apply electron displacement effects and reaction mechanisms.
	4) Understand Gaseous state, kinds velocities.
	5) Elaborate the basic concepts of solid and liquid states.
22UICHC14: GENERAL CHEMISTRY – II	1) How to be safe in chemistry laboratory and handle chemicals carefully.
	2) Exposed to handling burette, pipette etc and various types of titrations.
	3) How qualitative methods are useful in finding inorganic radicals.
	4) Gain knowledge about organic analysis.
	5) Use of taking logarithm, drawing graphs in various experiments in Chemistry.
22UICHA01: INDUSTRIAL CHEMISTRY – I	1) Describe the distinction between Mass analysis from volume analysis and vice-versa.
	2) Write down the Applications of Glasses, ceramics.
	3) Describe the Chemical Composition of Setting and Hardening of Portland Cement.
	4) Write down Development of Adhesive Strength. Solvent Responsive.
	5) Describe the Manufacture of pulp and Paper.
22UICHE26-2: PHARMACEUTICAL CHEMISTRY	1. Realize the role of pharmaceutical chemistry
	2. Understand the role of Indian medicinal plants and blood
	3. Describe alkaloids and sulphonamides



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	4. Explain antibiotics and analgesics
	5. Describe anaesthetics, antiseptics and disinfectants
22UICHE26-3: TEXTILE CHEMISTRY	1. Understand the basics of fibers
	2. Realize the properties of fibers
	3. Describe processing of Fibers
	4. Explain dye chemistry
	Describe dyeing process
22UICHA03: INDUSTRIAL CHEMISTRY - III	1) Isolate the key design features of a product which relate directly to the material(s) used in its construction.
	2) Indicate how the properties of polymeric materials can be exploited by a product designer.
	3) Describe the role of rubber-toughening in improving the mechanical properties of polymers.
	4) Identify the repeat units of particular polymers and specify the isomeric structures which can exist for those repeat units.
	5) Estimate the number- and weight-average molecular masses of polymer samples given the degree of polymerisation and mass fraction of chains present.
	Students will able to appraise the mechanism and kinetics of copolymer free radical the synthesis techniques for polymer
22UICHE36-1: AGRICULTURAL CHEMISTRY	1. Understand the basics of soil.
	2. Classify and explain plant nutrients and fertilizers
	3. Differentiate fertilizers and manures.
	4. Explain the classification of pesticides.
	Describe the Fungicides and herbicides.
22UICHE36-2: GREEN CHEMISTRY	1. Able to understand the need of green chemistry.
	2. Able to explain the principles of green chemistry.
	3. Able to explain green synthesis and reactions.
	4. Able to understand about green solvents.
	5. Able to explain the future trends in green chemistry.
22UICHE36-3: BIOCHEMISTRY	1. Relate the basic concept of cell structure and their functions.
	2. Knowledge about the concept of enzymes and their activity.
	3. Identify the metabolism of carbohydrate.
	4. Assess the structural elucidation of riboflavin.
	5. Able to understand the importance of vitamins.
22UICHN37: MEDICINAL CHEMISTRY	1) Understand the composition of blood and biochemical analysis of Urine and Serum



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	2) Gain knowledge about uses and side effects of Antibiotics, Antipyretics, Analgesics and tranquilizers.
	3) Explain the causes, symptoms and treatment of Blood pressure, Diabetes, Cancer and AIDS.
	4) Classify and understand the sources and diseases caused by deficiency of Vitamins.
	5) Analyse the therapeutic importances of Indian Medicinal plants
22UICHS38 WATER TREATMENT AND ANALYSIS	1. Able to understand the concepts to make the water potable.
	2. Understand Electro dialysis and R O Methods to desalinate water.
	3. Able to determine hardness of water.
	4. Ability to classify the water.
	5. Able to do Bacteriological Examination of water.
22UICHP44 INORGANIC QUALITATIVE ANALYSIS	1. Perform inorganic Analysis systematically and independently.
	2. Analyze inorganic salt mixture containing an interfering anion.
	3. Describe the methodologies which aid in analysing the inorganic mixture.
	4. Apply the solubility product principle to qualitative analysis.
	5. Identify the groups where the cations belong along with theory behind the reaction
22UICHA04 INDUSTRIAL CHEMISTRY - IV	1) Develop the availability of source, classification, modification of vegetable oils and its application in surface coating industry.
	2) Understand Chemistry, Properties and Applications of White pigments like Titanium Dioxide, Zinc Oxide etc.
	3) Understanding of various modern engineering materials and their properties.
	4) Understanding of Principles of coating deposition and surface modification methods.
	5) Appraisal of the Fundamental coating properties and their relationship - Introduction to corrosion and wear protection, and various functionalities obtainable by coatings and surface treatments.
22UICHC62 ORGANIC CHEMISTRY – II	1. Explain the mechanisms of inter and intra molecular rearrangements.
	2. Classify amino acids and explain their preparation and properties and synthesis of Peptides.
	3. Differentiate between DNA and RNA.
	4. Explain primary and secondary structures of proteins.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	5. Elucidate the structures of Antibiotics, Alkaloids and Terpenoids.
22UICHC63 PHYSICAL CHEMISTRY – II	1. Draw electrochemical cells, labelling the anode, cathode, and directions of ion and electron movement.
	2. Understand the Electrochemical Series and its Applications.
	3. Recognize the chemical reaction used in a lead-acid storage battery and H ₂ /O ₂ fuel ce
	4. Explain the laws of photo chemistry and express the kinetics of photochemical reactions.
	5. Understand the concepts of symmetrical elements and basics of group theory.
22UICHP64 GRAVIMETRIC ANALYSIS AND ORGANIC PREPARATIONS	1. The students should be able to plan experimental projects and execute them.
	2. Know the basic concepts of organic reactions.
	3. Understand the estimation of inorganic ions as compounds or complexes.
	4. Exposed to various techniques in Gravimetry.
	5. Find out the amount of elements like Lead, Barium etc; in commercial products.
22UICHP65 ORGANIC QUALITATIVE ANALYSIS	1. Can identify special elements.
	2. Know about the procedure for analyzing the compounds.
	3. Know about the Reaction mechanisms.
	4. Evaluate the nature of given organic compounds by identifying different functional groups present.
	5. Identify the given organic compound by preparing their derivatives and know the chemical reactions behind them.
22UICHE68-1 NANO CHEMISTRY	1. Able to explain the fundamentals of nano chemistry.
	2. Understand the various types of nano particles.
	3. Able to explain the various methods of synthesis of nano particles.
	4. Understand the various types of nano materials.
	5. Able to explain the various instrumental techniques of characterization of nano particles.

COMMERCE



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

SUBJECT	COURSE OUTCOMES
FINANCIAL ACCOUNTING-I 23UCOMC13	Remember the concept of rectification of errors and Bank reconciliation statements
	Apply the knowledge in preparing detailed accounts of sole trading concerns
	Analyse the various methods of providing depreciation
	Evaluate the methods of calculation of profit
	Determine the royalty accounting treatment and claims from insurance companies in case of loss of stock.
PRINCIPLES OF MANAGEMENT 23UCOMC14	Demonstrate the importance of principles of management.
	Paraphrase the importance of planning and decision making in an organization.
	Comprehend the concept of various authorities and responsibilities of an organization.
	Enumerate the various methods of Performance appraisal
BUSINESS COMMUNICATION 23UCOME15-I	Demonstrate the notion of directing, co-ordination and control in the management.
	Acquire the basic concept of business communication.
	Exposure to effective business letter
	Paraphrase the concept of various correspondences.
	Prepare Secretarial Correspondence like agenda, minutes and various business reports.
DIGITAL BANKING 23UCOMN16	Acquire the skill of preparing an effective resume
	Explain the need for digital banking products and the usage of cards.
	Classify the usage of various payment systems.
	Discuss the profitability, risk management and frauds of mobile and internet banking.
	Analyse the approval processes of POS terminals.
	Explain the product features and services of ATM and Cash Deposit Machine.
	FUNDAMENTALS OF BUSINESS STUDIES 23UCOMF17
To encourage and motivate the students for the commerce Education.	
Tomake the students aware towards the various branches of commerce for Example, Accounts, Banking and Auditing.	
FINANCIAL ACCOUNTING-II 23UCOMC23	To evaluate the Hire purchase accounts and Instalments systems
	To prepare Branch accounts and Departmental Accounts



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To understand the accounting treatment for admission and retirement in partnership
	To know Settlement of accounts at the time of dissolution of a firm.
	To elaborate the role of IFRS
BUSINESS LAW 23UCOMC24	Explain the Objectives and significance of Mercantile law
	Understand the clauses and exceptions of Indian Contract Act.
	Explain concepts on performance, breach and discharge of contract.
	Outline the contract of indemnity and guarantee
	Explain the various provisions of Sale of Goods Act 1930
BUSINESS ENVIRONMENT 23UCOME25-1	Remember the nexus between environment and business.
	Apply the knowledge of Political Environment in which the businesses operate.
	Analyze the various aspects of Social Environment.
	Evaluate the parameters in Economic Environment.
	Create a conducive environment for business to operate globally.
FUNDAMENTALS OF FINTECH 23UCOMN26	Identify the benefits of FinTech industry;
	Enable a better understanding of Financial Technology and Digital Payments
	Analyze the functioning of Cryptocurrency
	Explain the impact of Block Chain Technology
	Evaluate the effects of Fintech on various sectors
Business Mathematics & Statistics 23UCOME35-2	Learn the basics of ratio, proportion, indices and logarithm
	Familiarise with calculations of simple and compound interest and arithmetic, geometric and harmonic progressions.
	Determine the various measures of central tendency
	Calculate the correlation and regression co-efficient.
	Assess problems on time series analysis
23UCOMS36: STOCK MARKET OPERATIONS	Explain the basic concept of Securities Market
	Practice Trading on Stock Market
	Analyse the legal Frame work of Securities Market
	Explain different segment of Stock Exchange
	Perform Demat Trading
Financial Services 23UCOME45-1	Summarise the role and function of the financial system
	Gain practical knowledge on key areas relating to management of financial products and services
	Familiarize students about Venture Capital, Leasing.
	Infer the importance of the Credit Rating system.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Understand various types of Mutual funds schemes and the roles of NSDL and CSDL.
23UCOMS46: BRAND MANAGEMENT	Explain the concept of branding
	Discuss the brand positioning and identify brands
	Explain the elements of brand extension.
	Summarize the impact of celebrity brand
	Discuss the determinants of successful brand management
PG	
23PCOMC11 - BUSINESS FINANCE	Explain important finance concepts
	Estimate risk and determine its impact on return
	Explore leasing and other sources of finance for startups
	Summarise cash receivable and inventory management techniques
	Evaluate techniques of long term investment decision incorporating risk factor
23PCOMC12 - DIGITAL MARKETING	Examine online marketing mix
	Compare digital media channels
	Interpret online consumer behavior
	Analyse social media data
23PCOMC13 - BANKING AND INSURANCE	Relate the transformation in banking from traditional to new age
	Apply modern techniques of digital banking
	Evaluate the role of insurance sector
	Examine the regulatory mechanism
	Assess risk mitigation strategies
23PCOME14-1- SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	Examine investment options and structure a portfolio
	Assess the value of Equity Shares, Preference Shares and Bonds
	Forecast stock performance through fundamental and technical analysis
	Examine the various Portfolio Theories.
	Evaluate the portfolio performance.
23PCOME14-2- OPERATIONS RESEARCH	Demonstrate knowledge of OR fundamentals
	Identify models for problem solving
	Apply sequencing and game theory
	Apply network analysis to enhance effectiveness
	Examine the models for decision making
23PCOMC21- STRATEGIC COST MANAGEMENT	Discuss strategic cost management and QC
	Choose the appropriate technique for cost control
	Utilise activity based costing in practice
	Adopt transfer pricing methods
	Build cost structure for Agriculture and IT sector



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23PCOMC23 - SETTING UP OF BUSINESS ENTITIES	Assess the various avenues of acquiring finance to setup a business entity
	Recall the legal requirements for Section 8 Company
	Examine the proceedings for LLP and joint venture
	Describe the registration and licensing procedure
	Examine the compliance of regulatory framework
23PCOME25-1 - PROJECT FINANCE AND MANAGEMENT	Understand the function of the project manager in the creation of a new project.
	Evaluate the feasibility analysis of a new market initiative.
	Learn about the Network Analysis of PERT and CPM techniques
	Determine the project's cost-control techniques
23PCOME25-2- ORGANISATIONAL BEHAVIOUR	Conduct a performance evaluation of the project report.
	Identify the effect of OB models and organizational learning on human behaviour.
	Assess theories of motivation and their impact on job satisfaction.
	Examine effective communication tools for better organisational climate.
	Analyse interpersonal transactions at workplace.
23PCOPS26: GOODS AND SERVICES TAX	Evaluate the various OB models for change management and development in the organization.
	Comprehend the fundamentals of indirect tax and need for GST
	Understand the structure of GST and their schemes in practice
	Disseminate various modes of registration of GST
	Familiarize themselves with the adjustment of debit and credit notes
TAXATION 23PCOMC31	Understand and apply the e-filing of GST in practice
	Estimate taxable income
	File returns and plan taxes
	Illustrate the nuances of international business taxation
	Apply the provisions of GST
RESEARCH METHODOLOGY 23PCOMC32	Assess the provisions of Customs Act
	Recall the research concepts and recognise the research problem
	Formulate research hypothesis and determine the sample size
	Select appropriate method for data collection
	Make inferences based on statistical tests
FINANCIAL MARKETS AND INSTITUTIONS 23PCOME35-1	Draft a research report avoiding plagiarism
	1) Understand the financial institutions
	1) Gain knowledge on the functions of Development Banks
	2) Acquire knowledge in International financial institutions
	3) Understand about investment institutions



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

INTERNATIONAL FINANCIAL MANAGEMENT 23PCOME35-2	4) Know about the Primary, Secondary and Derivative Markets
	Explain the importance and nature of international flow of funds
	Analyse the fluctuations in exchange rate and impact on exchange markets
	Analyse the techniques of international investment decisions for building a better portfolio
	Explain the flow of funds in the international banks
CORPORATE ECONOMIC LAWS 23PCOMC41	Examine various international financial market instruments
	Recall important provisions of FEMA
	Evaluate the provisions of the Competition Act, 2002 and Consumer Protection Act to govern commercial competition and protect a consumer
	Recall the process relating to obtaining copyrights and patents.
	Examine the provisions of Money Laundering Act
INTERNATIONAL BUSINESS 23PCOMC42	Analyse the provisions relating to regulation of real estate.
	Recall the concept of International Business and International Business Environment
	Analyse different theories of International Business
	Evaluate the legal procedures involved in International Business.
	Explain the different types of economic integrations.
AUDIT AND DUE DILIGENCE 23PCOME44-1	Identify the operations of MNCs through real case assessment
	Compare different types of audit
	Assess the provisions relating to secretarial audit
	Recall the basics of due diligence
	Explain the various types of due diligence
e-FILING OF GST RETURNS 23PCOMS45	Examine due diligence for take overs and prepare due diligence report
	Prepare students to file their GST returns online.
	Aids in the completion of GSTR forms (GSTR 1 -GSTR 11).
	Describe the procedures for GSTR filing.
	Learn about the penalties for late filing of GST returns.
COMMERCE	Understand the concept of interest on past-due taxes.

COMMERCE	
SUBJECT	COURSE OUTCOMES
FINANCIAL ACCOUNTING-I 23UCOMC13	Remember the concept of rectification of errors and Bank reconciliation statements
	Apply the knowledge in preparing detailed accounts of sole trading concerns



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Analyse the various methods of providing depreciation
	Evaluate the methods of calculation of profit
	Determine the royalty accounting treatment and claims from insurance companies in case of loss of stock.
PRINCIPLES OF MANAGEMENT 23UCOMC14	Demonstrate the importance of principles of management.
	Paraphrase the importance of planning and decision making in an organization.
	Comprehend the concept of various authorities and responsibilities of an organization.
	Enumerate the various methods of Performance appraisal
	Demonstrate the notion of directing, co-ordination and control in the management.
BUSINESS COMMUNICATION 23UCOME15-I	Acquire the basic concept of business communication.
	Exposure to effective business letter
	Paraphrase the concept of various correspondences.
	Prepare Secretarial Correspondence like agenda, minutes and various business reports.
	Acquire the skill of preparing an effective resume
DIGITAL BANKING 23UCOMN16	Explain the need for digital banking products and the usage of cards.
	Classify the usage of various payment systems.
	Discuss the profitability, risk management and frauds of mobile and internet banking.
	Analyse the approval processes of POS terminals.
	Explain the product features and services of ATM and Cash Deposit Machine.
FUNDAMENTALS OF BUSINESS STUDIES 23UCOMF17	To make the students familiar with the basic concepts of commerce, and Management Fields.
	To encourage and motivate the students for the commerce education.
	To make the students aware towards the various branches of commerce for example, Accounts, Banking and Auditing.
FINANCIAL ACCOUNTING-II 23UCOMC23	To evaluate the Hire purchase accounts and Instalment systems
	To prepare Branch accounts and Departmental Accounts
	To understand the accounting treatment for admission and retirement in partnership
	To know Settlement of accounts at the time of dissolution of a firm.
	To elaborate the role of IFRS
BUSINESS LAW 23UCOMC24	Explain the Objectives and significance of Mercantile law
	Understand the clauses and exceptions of Indian Contract Act.
	Explain concepts on performance, breach and discharge of contract.
	Outline the contract of indemnity and guarantee
	Explain the various provisions of Sale of Goods Act 1930
BUSINESS ENVIRONMENT 23UCOME25-1	Remember the nexus between environment and business.
	Apply the knowledge of Political Environment in which the businesses operate.
	Analyse the various aspects of Social Environment.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Evaluate the parameters in Economic Environment.
	Create a conducive environment for business to operate globally.
FUNDAMENTALS OF FINTECH 23UCOMN26	Identify the benefits of FinTech industry;
	Enable a better understanding of Financial Technology and Digital Payments
	Analyse the functioning of Cryptocurrency
	Explain the impact of Block Chain Technology
	Evaluate the effects of Fintech on various sectors
Business Mathematics & Statistics 23UCOME35-2	Learn the basics of ratio, proportion, indices and logarithm
	Familiarise with calculations of simple and compound interest and arithmetic, geometric and harmonic progressions.
	Determine the various measures of central tendency
	Calculate the correlation and regression co-efficient.
	Assess problems on time series analysis
23UCOMS36: STOCK MARKET OPERATIONS	Explain the basic concept of Securities Market
	Practice Trading on Stock Market
	Analyse the legal Frame work of Securities Market
	Explain different segment of Stock Exchange
	Perform Demat Trading
Financial Services 23UCOME45-1	Summarise the role and function of the financial system
	Gain practical knowledge on key areas relating to management of financial products and services
	Familiarize students about Venture Capital, Leasing.
	Infer the importance of the Credit Rating system.
	Understand various types of Mutual funds schemes and the roles of NSDL and CSDL.
23UCOMS46: BRAND MANAGEMENT	Explain the concept of branding
	Discuss the brand positioning and identify brands
	Explain the elements of brand extension.
	Summarize the impact of celebrity brand
	Discuss the determinants of successful brand management
PG	
23PCOMC11 - BUSINESS FINANCE	Explain important finance concepts
	Estimate risk and determine its impact on return
	Explore leasing and other sources of finance for startups
	Summarise cash receivable and inventory management techniques
	Evaluate techniques of long term investment decision incorporating risk factor
23PCOMC12 - DIGITAL MARKETING	Examine online marketing mix
	Compare digital media channels
	Interpret online consumer behavior
	Analyse social media data
23PCOMC13 - BANKING AND INSURANCE	Relate the transformation in banking from traditional to new age
	Apply modern techniques of digital banking
	Evaluate the role of insurance sector
	Examine the regulatory mechanism



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Assess risk mitigation strategies
23PCOME14-1- SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	Examine investment options and structure a portfolio
	Assess the value of Equity Shares, Preference Shares and Bonds
	Forecast stock performance through fundamental and technical analysis
	Examine the various Portfolio Theories.
	Evaluate the portfolio performance.
23PCOME14-2- OPERATIONS RESEARCH	Demonstrate knowledge of OR fundamentals
	Identify models for problem solving
	Apply sequencing and game theory
	Apply network analysis to enhance effectiveness
	Examine the models for decision making
23PCOMC21- STRATEGIC COST MANAGEMENT	Discuss strategic cost management and QC
	Choose the appropriate technique for cost control
	Utilise activity based costing in practice
	Adopt transfer pricing methods
	Build cost structure for Agriculture and IT sector
23PCOMC23 - SETTING UP OF BUSINESS ENTITIES	Assess the various avenues of acquiring finance to setup a business entity
	Recall the legal requirements for Section 8 Company
	Examine the proceedings for LLP and joint venture
	Describe the registration and licensing procedure
	Examine the compliance of regulatory framework
23PCOME25-1 - PROJECT FINANCE AND MANAGEMENT	Understand the function of the project manager in the creation of a new project.
	Evaluate the feasibility analysis of a new market initiative.
	Learn about the Network Analysis of PERT and CPM techniques
	Determine the project's cost-control techniques
	Conduct a performance evaluation of the project report.
23PCOME25-2- ORGANISATIONAL BEHAVIOUR	Identify the effect of OB models and organizational learning on human behaviour.
	Assess theories of motivation and their impact on job satisfaction.
	Examine effective communication tools for better organisational climate.
	Analyse interpersonal transactions at workplace.
	Evaluate the various OB models for change management and development in the organization.
23PCOPS26: GOODS AND SERVICES TAX	Comprehend the fundamentals of indirect tax and need for GST
	Understand the structure of GST and their schemes in practice
	Disseminate various modes of registration of GST
	Familiarize themselves with the adjustment of debit and credit notes
	Understand and apply the e-filing of GST in practice
TAXATION 23PCOMC31	Estimate taxable income
	File returns and plan taxes
	Illustrate the nuances of international business taxation
	Apply the provisions of GST



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Assess the provisions of Customs Act
RESEARCH METHODOLOGY 23PCOMC32	Recall the research concepts and recognise the research problem
	Formulate research hypothesis and determine the sample size
	Select appropriate method for data collection
	Make inferences based on statistical tests
	Draft a research report avoiding plagiarism
FINANCIAL MARKETS AND INSTITUTIONS 23PCOME35-1	1) Understand the financial institutions
	1) Gain knowledge on the functions of Development Banks
	2) Acquire knowledge in International financial institutions
	3) Understand about investment institutions
	4) Know about the Primary, Secondary and Derivative Markets
INTERNATIONAL FINANCIAL MANAGEMENT 23PCOME35-2	Explain the importance and nature of international flow of funds
	Analyse the fluctuations in exchange rate and impact on exchange markets
	Analyse the techniques of international investment decisions for building a better portfolio
	Explain the flow of funds in the international banks
	Examine various international financial market instruments
CORPORATE ECONOMIC LAWS 23PCOMC41	Recall important provisions of FEMA
	Evaluate the provisions of the Competition Act, 2002 and Consumer Protection Act to govern commercial competition and protect a consumer
	Recall the process relating to obtaining copyrights and patents.
	Examine the provisions of Money Laundering Act
	Analyse the provisions relating to regulation of real estate.
INTERNATIONAL BUSINESS 23PCOMC42	Recall the concept of International Business and International Business Environment
	Analyse different theories of International Business
	Evaluate the legal procedures involved in International Business.
	Explain the different types of economic integrations.
	Identify the operations of MNCs through real case assessment
AUDIT AND DUE DILIGENCE 23PCOME44-1	Compare different types of audit
	Assess the provisions relating to secretarial audit
	Recall the basics of due diligence
	Explain the various types of due diligence
	Examine due diligence for take overs and prepare due diligence report
e-FILING OF GST RETURNS 23PCOMS45	Prepare students to file their GST returns online.
	Aids in the completion of GSTR forms (GSTR 1 -GSTR 11).
	Describe the procedures for GSTR filing.
	Learn about the penalties for late filing of GST returns.
	Understand the concept of interest on past-due taxes.

BCA	
SUBJECT	COURSE OUTCOMES
23UBCAC13 : Python	1. Learn the basics of python, Do simple programs on python,



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

programming	· Learn how to use an array.
	2. Develop program using selection statement, Work with Looping and jump statements, Do programs on Loops and jump statements.
	3. Concept of function, function arguments, Implementing the concept strings in various application, Significance of Modules, Work with functions, Strings and modules.
	4. Work with List, tuples and dictionary, Write program using list, tuples and dictionary.
	Usage of File handlings in python, Concept of reading and writing files, Do programs using files.
23UNUME15: numerical methods	CO1: develop the skill of calculation through forward and backward interpolations
	CO2: solve by central difference methods
	CO3: calculate interpolation for unequal intervals
	CO4: solve the solutions of simultaneous equations using different methods.
	CO5: understand the applications of integration in real life situation
23USMAE15: Statistical Methods and its Application - I	1: develop the skill of statistical methods and its representations.
	2: solve by mean ,median and mode
	3: calculate range, deviation and its measures.
	4: solve the skewness and its coefficients.
	5: understand the correlation and regression analysis.
23UBCAc23 : OBJECT ORIENTED PROGRAMMING CONCEPTS USING C++	· 1.Remember the program structure of C with its syntax and semantics
	· 2. Understand the programming principles in C (data types, operators, branching and looping, arrays, functions, structures, pointers and files)
	· 3. Apply the programming principles learnt in real-time problems
	· 4. Analyze the various methods of solving a problem and choose the best method
	· 5. Code, debug and test the programs with appropriate test cases
23URMTE25 : RESOURCE MANAGEMENT TECHNIQUES	CO1: use knowledge of operational research in LPP.
	CO2: understand analogies between transportation problem, phenomena in operational Research.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO3: formulate physical problems as operational research using assignment models
	CO4: classify operational research, game theory, interpret the solutions.
	CO5: interpret solutions in network analysis.
23UBCAN16 : Introduction to html	1. Knows the basic concept in HTML Concept of resources in HTML
	2. Knows Design concept Concept of Meta Data Understand the concept of save the files.
	3. Understand the page formatting Concept of list
	4. Creating Links. Know the concept of creating link to email address
	5. Concept of adding images Understand the table creation.
23UBCAN26 : Multimedia Systems	1. understand the concepts, importance, application and the process of developing multimedia
	2. to have basic knowledge and understanding about image related processings
	3. To understand the framework of frames and bit images to animations
	4. Speaks about the multimedia projects and stages of requirement in phases of project.
	5. Understanding the concept of cost involved in multimedia planning, designing, and producing
23URMTE25-2 RESOURCE MANAGEMENT TECHNIQUES	1: use knowledge of operational research in LPP.
	2: understand analogies between transportation problem, phenomena in operational Research.
	3: formulate physical problems as operational research using assignment models
	4: classify operational research, game theory, interpret the solutions.
	5: interpret solutions in network analysis.
23UBCAC33 : DATA STRUCTURES AND ALGORITHMS	1. Understand the concept of Dynamic memory management, data types, algorithms.
	2. Understand basic data structures such as arrays, linked lists, stacks and queues
	3. Describe the hash function and concepts of collision and its resolution methods.
	4. Solve problem involving graphs, trees and heaps.
	5. Apply Algorithm for solving problems like sorting, searching, insertion and deletion of data



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UBCAS36-Enterprise resource planning	1. Understand the basic concepts of ERP.
	2. Identify different technologies used in ERP
	3.Understand the concepts of ERP Manufacturing Perspective and ERP Modules
	4. Discuss the benefits of ERP
	Apply different tools used in ERP
23UBCAC43 - programming in java	Understand the basic Object-oriented concepts. Implement the basic constructs of CoreJ ava
	Implement inheritance, packages interfaces and Exception handling of Core Java
	Implement multi-threading and I/O Streams of Core Java
	Implement AWT and Event handling
	Use Swing to create GUI.
23UBCAE45 - cost and management accounting	1.Remember and recall the various concepts of cost accounting
	2. Demonstrate the preparation and reconciliation of cost sheet.
	3. Analyse the various valuation methods of issue of materials.
	4. Evaluate techniques of budgetary control
	5. Formulate criteria for decision making using principles of marginal costing.
23UBCAS47-PHP PROGRAMMING	1. Write PHPscripts to handle HTMLforms
	2. Write regular expressions including modifiers,operators,and meta characters
	3. Create PHP Program using the concept of array
	4. Create PHP programs that use various PHP library functions
	5. Manipulate files and directories
23UBCAC51:Operating System	1. Define the fundamentals of OS and identify the concepts relevant to process,process life cycle
	2. Knowthe critical analysis of process involving various algorithms, an exposure to threads and semaphores
	3. Have a complete study about Deadlock and itsimpact over OS
	4. Have complete knowledge of Scheduling Algorithms and its types
	5. Understand memory organization and management
23UBCAC52: ASP.NET PROGRAMMING	1.Develop working knowledge of C# programming constructs and the .NET Framework.
	2. To develop a software to solve real-world problems using ASP.NET
	3. To Work On Various Controls Files



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	4. To create a web application using Microsoft ADO.NET
	5. To develop web applications using XML
23ubcae64-2.Cloud computing	1. Understand the fundamental concepts and Technologies in Cloud Computing.
	2. Able to understand various cloud service types and their uses and pitfalls.
	3. Able to understand Cloud Architecture and Application design.
	4. Understand the various aspects of application design, benchmarking and security in the Cloud.
	5. Understand various Case Studies in Cloud Computing.
23ubcae65-2: CRYPTOGRAPHY	1. Analyze vulnerabilities in any computing system and hence be able to design a security solution
	2. Apply the different cryptographic operations of symmetric cryptographic algorithms
	3. Apply the different cryptographic operations of public key cryptography
	4. Apply the various Authentications schemes to simulate different applications.
	5. Understand various Security practices and System security standards

COMPUTER SCIENCE	
SUBJECT	COURSE OUTCOMES
23UCSCC13: PYTHON PROGRAMMING	<ul style="list-style-type: none">Learn the basics of python, Do simple programs on python, Learn how to use an array.Develop program using selection statement, Work with Looping and jump statements, Do programs on Loops and jump statements.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Concept of function, function arguments, Implementing the concept strings in various application, Significance of Modules, Work with functions, Strings and modules.
	· Work with List, tuples and dictionary, Write program using list, tuples and dictionary.
	Usage of File handlings in python, Concept of reading and writing files, Do programs using files.
PROBLEM SOLVING TECHNIQUES	On completion of this course, students will
	· Study the basic knowledge of Computers.
	Analyze the programming languages.
	Study the data types and arithmetic operations.
	Know about the algorithms.
	Develop program using flow chart and pseudocode.
	Determine the various operators.
	Explain about the structures.
	Illustrate the concept of Loops
	Study about Numeric data and character-based data.
	Analyze about Arrays.
	Explain about DFD
	Illustrate program modules.
	Creating and reading Files
23UCSCC23: DATA STRUCTURE AND ALGORITHMS	Understand the concept of Dynamic memory management, data types, algorithms, Big O notation
	Understand basic data structures such as arrays, linked lists, stacks and queues
	Describe the hash function and concepts of collision and its resolution methods
	Solve problem involving graphs, trees and heaps
	Apply Algorithm for solving problems like sorting, searching, insertion and deletion of data
Object Oriented Programming with C++ Lab 23UCSCP34	CO1: <i>Design and create classes. Implement Stream I/O as appropriate.</i>
	CO2: <i>Design appropriate data members and member functions.</i>
	CO3: <i>Implement functions, friend functions, static members, constructors and compile-time polymorphism.</i>
	CO4: <i>Implement inheritance, run-time polymorphism and destructors.</i>
	CO5: <i>Implement templates and exceptions. Use STL class library. Implement File I/O.</i>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UPHYE35 PHYSICS - I	CO1
	Explain types of motion and extend their knowledge in the study of various dynamic motions analyze and demonstrate mathematically. Relate theory with practical applications in the medical field.
	CO2
	Explain their knowledge of understanding about materials and their behaviors and apply it to various situations in laboratory and real life. Connect droplet theory with Corona transmission.
	CO3
	Comprehend the basic concept of thermodynamics concept of entropy and associated theorems able to interpret the process of flow temperature physics in the background of growth of this technology.
	CO4
	Articulate the knowledge about electric current resistance, and capacitance in terms of potential electric field and electric correlate the connection between electric field and magnetic field and analyze them mathematically verify circuits and apply the concepts to construct circuits and study them.
Digital Computer Fundamentals 23UCSCS37	CO5
	Interpret the real life solutions using AND, OR, NOT basic logic gates and intend their ideas to universal building blocks. Infer operations using Boolean algebra and acquire elementary ideas of IC circuits. Acquire information about various Govt. programs/ institutions in this field.
	CO1: Identify the logic gates and their functionality.
	CO2: Perform number conversions from one system to another system
	CO3: Understand the functions of combinational circuits
Java Programming 23UCSCC43	CO4: Perform number conversions.
	CO5: Perform Counter design and learn its operations.
	CO1: Understand the basic Object-oriented concepts.
	Implement the basic constructs of Core Java
	CO2: Implement inheritance, packages, interfaces and exception handling of Core Java.
	CO3: Implement multi-threading and I/O Streams of Core Java
CO4: Implement AWT and Event handling.	
CO5: Use Swing to create GUI.	
PHP Programming 23UCSCS46	CO1: Implement simple programs in PHP Programming.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO2: Develop and Demonstrate the control structures using basic data types.
	CO3: Implement arrays and string functions using looping structures.
	CO4: Demonstrate and Design programs using OOPS concepts
	CO5: Create web pages with data validation and cookies
Computer Networks 23UCSCS46	CO1: To Understand the basics of Computer Network architecture, OSI and TCP/IP reference models
	CO2: To gain knowledge on Telephone systems and Satellite communications
	CO3: To impart the concept of Elementary data link protocols
	CO4: To analyze the characteristics of Routing and Congestion control algorithms
	CO5: To understand network security and define various protocols such as FTP, HTTP, Telnet, DNS
Software Engineering 23UCSCC51	CO1: Gain basic knowledge of analysis and design of systems
	CO2: Ability to apply software engineering principles and techniques
	CO3: Model a reliable and cost-effective software system
	CO4: Ability to design an effective model of the system
	CO5: Perform Testing at various levels and produce an efficient system.
Database Management Systems 23UCSCC52	CO1: Understand the various basic concepts of Data Base System. Difference between file system and DBMS and compare various data models.
	CO2: Define the integrity constraints. Understand the basic concepts of Relational Data Model, Entity-Relationship Model.
	CO3: Design database schema considering normalization and relationships within database. Understand and construct database using Structured Query Language. Attain a good practical skill of managing and retrieving of data using Data Manipulation Language (DML).
	CO4: Classify the different functions and various join operations and enhance the knowledge of handling multiple tables.
	CO5: Learn to design Data base operations and implement using PL/SQL programs. Learn basics of PL/SQL and develop programs using Cursors, Exceptions



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

Operating Systems 23UCSCE55-1	CO1: Define the fundamentals of OS and identify the concepts relevant to process , process life cycle, Scheduling Algorithms, Deadlock and Memory management
	CO2: know the critical analysis of process involving various algorithms, an exposure to threads and semaphores
	CO3: Have a complete study about Deadlock and its impact over OS. Knowledge of handling Deadlock with respective algorithms and measures to retrieve from deadlock. .
	CO4: Have complete knowledge of Scheduling Algorithms and its types.
	CO5: understand memory organization and management
Multimedia Systems 23UCSCE55-2	CO1:Understand the definition of Multimedia
	CO2:To study about the Image File Formats, Sounds Audio File Formats
	CO3:Understand the concepts of Animation and Digital Video Containers
	CO4:To study about the Stage of Multimedia Project
	CO5:Understand the concept of Ownership of Content Created for Project Acquiring Talent
Human – Computer Interaction 23UCSCE55-3	CO1: Design effective dialog for HCI
	CO2: Design effective HCI for individuals and persons with disabilities
	CO3: designing multimedia/ ecommerce/ e-learning Web sites
	CO4: Assess the importance of user feedback.
	CO5: Designing web interfaces and understand the case studies.
Data Mining and Warehousing 23UCSCE56-1	CO1: To understand the basic concepts and the functionality of the various data mining and data warehousing component
	CO2: To know the concepts of Data mining system architectures
	CO3: To analyse the principles of association rules
	CO4: To get analytical idea on Classification and prediction methods.
	CO5: To Gain knowledge on Cluster analysis and its methods.

ECONOMICS	
SUBJECT	COURSE OUTCOMES



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UECOC13 MICRO ECONOMICS – I	Understand the meaning of basic concepts and the need for the study of Microeconomics.
	Evaluate the types of utility and Consumer Behaviour.
	Acquire knowledge on various market equilibrium, Demand and Supply Functions.
	Understand the meaning of Production Functions.
	Understand the theory of Firms, Cost and Revenue.
23UECOC14 STATISTICS FOR ECONOMICS –I	Understand the overview of statistics and basic knowledge of statistical tools.
	Differentiate types of Data and its Classification.
	Explain the concept of Averages and its application.
	Know the concept of Dispersion and its application.
	Calculate Correlation and estimate values using Regression.
23UECOE15-1 FUNDAMENTALS OF MANAGEMENT	Understand the foundations and importance of Management.
	Demonstrate an understanding of Planning
	Analyze the organisational levels and Process of selection
	Discuss the relevance of Organizational Culture
	Examine the importance of quality control
23UECOC23 MICRO ECONOMICS - II	Understand the equilibrium conditions in Perfect Competition.
	Analyze the equilibrium conditions under Monopoly Market Structure.
	Describe the Market Equilibrium under Monopolistic and Oligopoly Market.
	Know the importance of theories of Distribution.
	Evaluate the aspects of Welfare Economics and General Equilibrium.
23UECOC24 STATISTICS FOR ECONOMICS -II	Gain Knowledge on the Index Numbers
	Analyze the importance of Time Series Data and its measurement
	Understand the concept of Probability
	Identify the various Sampling Methods
	Acquire Knowledge on Hypothesis Testing
23UECOE25-1 HISTORY OF ECONOMIC THOUGHT	Acquire knowledge on the subject matter of History of Economic Thought.
	Understand the contributions of the Classical Ideas of Economics.
	Describe Neo Classical and Institutional Economic Ideas
	Examine the Keynesian School and Modern Economic Ideas



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Understand the contribution of Nobel Laureates and Indian Economic Ideas
DEMOGRAPHY(23UECON16)	Describe the various theories of Population Growth.
	Understand Demographic Indicators.
	Assess the causes and impact of Migration on rural-urban population distribution.
	Analyse the major demographic trends and their determinants.
	Evaluate Population Policy of India and analyse recent trends.
ECONOMICS FOR INVESTORS (23UECON26)	Describe the types and importance of savings and investments.
	Explain the available for investment avenues
	Understand the operations of different types of investment markets.
	Evaluate the economic fundamentals and information.
	Construct objective enabling investment plans, strategy, evaluate and restructure if required.
23UECOC33 MACRO ECONOMICS – I	Understand the structure of Macroeconomics and the Concept of GDP
	Outline the concepts in Classical Theory of Employment
	Analyse the Keynesian Underemployment Theory
	Examine the theories of Consumption Function
	Understand the types and the impact of Inflation on Economies
23UECOC34 MATHEMATICS FOR ECONOMICS	Understand Basic Concepts of Mathematics and its application in Economics.
	Analyze the relevance of the Types of Matrices
	Calculate optimal values in the system of Equations and the importance of Input-Output Analysis
	Gain knowledge of the rules of Differentiation and its Economic Applications
	To optimize single variable functions in Economics
23UECOE35-2 ECONOMICS OF TOURISM	Describe the importance of Tourism
	Understand various methods to calculate demand for tourism
	Analyse the impact of Tourism
	Know the various Tourist circuits in India
	Learn the role of Organisations in tourism development
23UECOS36 ENTREPRENEURIAL ECONOMICS	Explain the importance and factors influencing entrepreneurship
	Understand and apply entrepreneurial theory using lean start-



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	up principles.
	Recognize and evaluate Creativity and entrepreneurship
	Understand the Various sources of Finance available for entrepreneur
	Know the Applicability of Legislation and Rules
23UECOC43 MACRO ECONOMICS –II	Understand the IS-LM Model.
	Learn the operation of theories of Business Cycles.
	Analyze the components of Money Supply and Demand.
	Evaluate the effectiveness of Fiscal Policy.
	Understand Supply Side Economics.
23UECOC44 INDIAN ECONOMY	Outline the nature of the Indian Economy and highlight the changes
	Discuss the major issues of Poverty, Inequality, Unemployment, and Human Development in India in comparison to other countries
	Provide a qualitative and quantitative overview of different sectors of the Indian Economy
	Describe the components of Foreign Trade and analyze India's Balance of Payments
	Identify various components of fiscal federalism in India
23UECOE45-1 RESEARCH METHODS IN ECONOMICS	Understand the overview of Social Science Research.
	Analyze the Research Process
	Develop the Statistical Analysis to test Economic Theory and address Policy Issues
	Know the sampling methods in Research.
	Explain the hypothesis testing and Principles of Report Writing.
23UECOS46 BASIC ACCOUNTANCY	Understand the Basic Concepts of Accounting and prepare Book keeping.
	Make Journal and Ledger and Categorize the various subsidiary books of accounts and identify & rectify errors
	Prepare Profit and loss account and Balance Sheet
	Tabulate Bank Reconciliation Statement.
	Apply Tally Software Package in Accounting
23UECOC51 MONETARY ECONOMICS	Acquire knowledge of Money and its Functions.
	Understand the Demand for Money and its Determinants.
	Acquire information on Supply of Money and its Determinants.
	Understand operations of Commercial Banks and Money Multiplier.
	Identify the Monetary Policy Implications



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UECOC52 FISCAL ECONOMICS	Understand the importance and Instruments of Fiscal Economics.
	Evaluate the Principles and theories of Public Finance.
	Analyze the Budget, Indian Tax System and Policy.
	Describe Classification, Laws of Public Expenditure and Public Debt.
	Know the Indian Public Finance System and Policy Recommendations.
23UECOC53 INDUSTRIAL ECONOMICS	Understand the importance of Industrial Economics
	Examine theories of industrial Location
	Review the relevance of Industrial Policies
	Describe the Industrial belts of the World and India
	Analyse the Industrial Trends in the Indian Economy.
23UECOE55-1 TAMIL NADU ECONOMY	Understand salient features, Poverty, Unemployment of Tamil Nadu Economy
	Examine the Issues in Indian Agriculture, Land Use Patterns, finance and Insurance
	Grasp the Industrial Scenario in Tamil Nadu
	Describe the status of State Finances and Development Programmes of Tamil Nadu
	Analyse the overall performance of Tamil Nadu Economy.
23UECOC61 INTERNATIONAL ECONOMICS	Develop ideas of the basic characteristics of Globalisation of the World Economy and its current international economic problems and challenges.
	Grasp the basic theories of International Trade and Economic Growth.
	Understand the functions, structure and theories of Foreign Exchange Market.
	Describe the BOP disequilibrium, Adjustment Mechanism, Export Promotion and Import Substitution.
	Outline the concepts of terms of trade and assess the Tariff, quotas, Free trade and economic development
23UECOC62 DEVELOPMENT ECONOMICS	Outline the central themes and approaches to Development.
	Compare and contrast the theories of Growth and Development
	Critically analyse various Models of Growth.
	Examine the welfare impact of Development Planning and proposed development interventions by different institutions
	Evaluate the source and significance of Finance in Economic Development



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UECOC63 AGRICULTURAL ECONOMICS	Understand the relevance of Agricultural Economics and Development
	Examine the importance of Agricultural Labour in Rural Development
	Identify the sources and importance of Agricultural Finance.
	Analyze the trends in Agricultural Prices
	Evaluate the Major issues pertaining to Agriculture.
23UECOE64-1 BASIC ECONOMETRICS	Understanding the importance of Econometrics.
	Learning the estimation techniques of measuring relationship among economic variables.
	Developing skills of interpretation.
	Construct models in the testing of theories.
	Application of real data for policy suggestions.
23UECOE64-2 BEHAVIOURAL ECONOMICS	Understand the flexibility and limitations of the economic approach to modelling behaviour and demonstrate knowledge of the evolution and methods used in behavioural economics
	Identify ways in which individuals are systematically irrational
	Know how to use existing behavioural models to understand new economic phenomena and analyse how deviations in rationality impact economic decisions.
	Apply Prospect Theory to understand how people make decisions when presented with alternatives that involve risk, probability and uncertainty.
	Understand and apply in policy the different aspects of the concept of mental accounting
PG	
23PECOC12: INDIAN ECONOMIC DEVELOPMENT AND POLICY	Understand the Structural change in Indian economy
	Assess the Performance of agricultural and Industrial sector
	Ability to learn the trends in the economy
	Understand the Impact of Poverty
	Identify Social Issues like Unemployment, Gender disparities
23PECOC13: STATISTICS FOR ECONOMISTS	Summarize the basic Probability rules and understand theoretical distributions.
	Acquire knowledge on the various sampling methods and testing
	of Hypotheses
	Use t test and chi square for analysis



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Understand the importance of one and two way ANOVA
	Know the various Decision making tools available
23PECOE14-1: MODERN ECONOMIC THOUGHT	Understand modern economic concept of role of Entrepreneur Innovation, BusinessCycles and Capitalism and Socialism.
	Ability to understand about Capital Formation, Disguised UnemploymentImperfect Competition and Mathematical Economic Analysis
	Understand the ideas ofPermanent Income Hypothesis, Revealed Preference Theory, Social Welfare Function and Samuelson's Utility Possibility Approach
	Gain knowledge about the ideas of Modern Indian Economists-Regional Economics, Ecological Theory of Population - Economics of Growth and Development-Economics of Fast
	Understand economic ideas like role of Technological Progress-Poverty -Deficit Financing and Public Expenditure, Human Factor in Economic Growth and Inequality and Concept of Capability
23PECOE15-1: REGIONAL ECONOMICS	understand the Nature and scope of regional economics and its need
	Discuss the Models of regional, inter-regional and multi-regional models
	Evaluate the various theories of regional economic growth
	Describes the Measurement of interregional economic growth at State level
	apply Regional Aspects of Stabilization and Growth Policy
23PECOC21: MONETARY ECONOMICS	To list out and outline the theories of money.
	To explain construct and distinguish various determinate of money supply and multiplier.
	To label, explain and evaluate the capital market.
	To define, illustrate and importance of banking sector.
	To interpret and make use of monetary policy.
23PECOC22: LABOUR ECONOMICS	study the recent trends of labour and their productivity
	assess the determination of employment and wages
	Understand the trade unions and their impact on labour market
	evaluate the Industrial relation
	analyze the current trends of social security measures
23PECOC23: MATHEMATICAL ECONOMICS	Understand the mathematical structure of standard economic theoretical framework



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Equip students with mathematical tools to solve optimization problems appear in economic theory
	Equip students with tools to read the technical writing appear in standard economic journals
	analyse the dynamics of macroeconomic policies in an economy
	analyse mathematically the dynamics of the growth process in an economy
23PECOE24-1: GENDER ECONOMICS	Understand the Gendered jobs and Social Inequality
	describes the Issues of wage discrimination and exploitation in unorganised sector
	Explain the Gender issues in Health, Environment, Family welfare Measures
	Evaluate the Impact of Globalization on working women and National Policy for the empowerment of women 2001
	Assess the Initiatives towards recognition of women as agents of development from sixth five year plan.
23PECOE25-1: RESOURCE ECONOMICS	Ability to understand land resources in India and the issues related to it
	Assess the availability of Forest resources and understand the methods to conserve the resources
	Understand the water resources in the country and related environmental issues
	Trace the mineral resources in the country
	Ability to know about conservation of Natural Resources
23PECOC31: ADVANCED MACRO ECONOMICS	Defines and understand the concepts of general Equilibrium in the Economy and its models and approaches
	Define, Illustrate and examine the role of rational expectations influencing macroeconomics variables, models of income and the various approaches to the working of business cycles.
	To demonstrate, identify and to understand the functions of the major propositions of new Keynesian macroeconomics
	To understand how, Evaluate and to analyse the open economy model in post Keynesian era
	To explain and apply the role of stabilization policies such as fiscal and monetary policy on the economy and to analyze, elaborate and to know the importance government policies and tax frame work
23PECOC32: PUBLIC ECONOMICS	To label and interpret the basic theories of public finance.
	To explain, identify and analyse the public expenditure.
	To recall, outline and determine about taxes



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To organize, examine and evaluate about fiscal policy.
	To summarize, develop and explain about Indian public finance.
23PECOC33: RESEARCH METHODOLOGY	To understand what are all the basic concepts in Research and explain means of data collection
	Explain and distinguish various sources of primary and secondary data and to apply it in data collection
	Demonstrate, construct, and explain the functions of presenting data in different methods
	To develop the statistical inference and to explain the errors that can happen during data analysis
	To illustrate, identify, evaluate and create new models and evaluate the data
23PECOC34: INDUSTRIAL ECONOMICS	To list out and outline the basic concepts of industrialization.
	To make use theories industrial location and industry the regional development.
	To interpret, develop and determine the structure of industrial organization.
	To illustrate the sources of industrial finance.
	To summarize solve and priorities the issues.
23PECOE35-1: ENTREPRENEURIAL DEVELOPMENT	Understand the concept of Entrepreneurship
	Ability to learn the factors involved in business
	Identify the process involved in the project
	Assess the methods of Project Appraisal
	Acquire the knowledge about source of Finance
23PECOC41: INTERNATIONAL ECONOMICS	Understand Theories of International trade
	Learn the Recent Theories in International trade
	Ability to know the concept of Balance of Payments Policies
	Assess the working of MNC s,Foreign Aid
	Understand the working of Foreign Exchange
23PECOC42: DEVELOPMENT ECONOMICS	Understand the concepts of Development
	Acquire knowledge about the theories of economic development



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Ability to understand the concepts related to Poverty , Inequality, Health and Education
	Gain knowledge about the insights of Rural Development
	Understand the role of State in Fiscal Management
23PECOE44-1: ECONOMICS OF SOCIAL ISSUES	To define social economics and illustrate the role of the government in creating equality in human societies.
	To explain and elaborate the concept of welfare economics with specific reference to healthcare.
	To illustrate and discuss the importance of education in creating human capital; private and social demand for education.
	To recall, classify and compare the various sources of social discrimination, causes and consequences of the same.
	To examine, estimate and illustrate the several components of human development index and the importance of these indices on development of the social sector.

ENGLISH	
SUBJECT	COURSE OUTCOMES
INTRODUCTION TO LITERATURE 23UENG13	Appreciate and analyse and the basic elements of poetry, including meter, rhyme, and theme.
	Gain knowledge of the elements of fiction including narrative structure, character analysis and comparison between different but related texts.
	Explore the dramatic storytelling including play structure, monologues, dialogue, and scene setting.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Use library resources to research and develop arguments about literary works.
	Work skillfully within a team, respect coworkers, delegate work and contribute to a group project.
INDIAN WRITING IN ENGLISH 23UENGC14	Appreciate the historical trajectory of various genres of Indian Writing in English from colonial times to till the present
	Analyze Indian literary texts written in English in terms of colonialism, post colonialism, regionalism, and nationalism
	Understand the role of English as a medium for political awakening and the use of English in India for creative writing
	Analyze how the sociological, historical, cultural and political context impacted the texts selected for study
	Evaluate critically the contributions of major Indian English poets and dramatists
SOCIAL HISTORY OF ENGLAND 23UENGE15	Gain extensive insight into the history of English literature, while laying special emphasis on various literary movements, genres and writers that are held to be the representatives of their times.
	Evaluate the way socio-cultural and historical phenomena influence the literary production of a particular period
	Familiarize themselves with the socio-cultural ambience and the discursive frameworks of various ages
	Develop a nuanced appreciation of the literary stalwarts of those times.
	Gain in-depth understanding on the growth of the English language under the influence of various other languages including Latin and French, besides being mentored in the structural nitty-gritties of the language.
BRITISH LITERATURE-I 23UENGC23	Demonstrate knowledge of the major social, political, philosophical, and scientific events forming the backdrop for the development of early British Literature.
	Synthesize, integrate, and connect information by writing essays using techniques of criticism and evaluation.
	Read and discuss the themes, approaches, styles, and contributions to the development of British literature from the Medieval Period to the end of the eighteenth-century
	Distinguish between the characteristics of British literary movements in discussing and writing about British literature.
	Write about literature using standard literary terminology and other literary conventions.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

AMERICAN LITERATURE-I 23UENGC24	Analyze and discuss works of American literature from a range of genres (e.g. poetry, nonfiction, slave narrative, captivity narrative, literary fiction, genre fiction, sermon, public proclamations, letters, etc.).
	Identify relationships between moments in American history, colonialism, and culture and their representation in works of American literature.
	Articulate ways that American literature reflects complex historical and cultural experiences.
	Produce a mix of critical, creative, and/or reflective works about American literature to 1865.
	Analyze and describe about American literature using standard literary terminology and other literary conventions.
HISTORY OF ENGLISH LITERATURE 23UENGE25	Gain extensive insight into the history of English literature, while laying special emphasis on various
	literary movements, genres and writers that are held to be the representatives of their times.
	Evaluate the way socio-cultural and historical phenomena influence the literary production of a particular period
	Familiarize themselves with the socio-cultural ambience and the discursive frameworks of various ages
	Develop a nuanced appreciation of the literary stalwarts of those times.
	Gain in-depth understanding on the growth of the English language under the influence of various other languages including Latin and French, besides being mentored in the structural nitty-gritties of the language.
BRITISH LITERATURE-II 23UENGC33	Exhibit an understanding of and appreciation for key works in British literature, as evidenced in daily work and course discussions.
	Demonstrate an understanding of periodization, theme, genre, motif, and so on, in British literature.
	Establish an understanding that historical, cultural, spiritual, and ethical issues, among others, shape human experiences and impact motivations.
	Respond to literature on important the mastic considerations having to do with literary and historical milieu, culture, human responsibility, morality, ethics, and the manner and causes by which humans interact with one another.
	Analyze and express about British literature using standard literary lexicon and other literary conventions.
CHILDREN'S LITERATURE 23UENGC34	Recognize the various genres of Children's Literature
	Acquire values through their reading of the works of



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Children's Literature
	Appreciate and criticize the similarities and differences in cultural imaginations.
	Recognize the themes and artistic style employed in Children's Literature
	Critically evaluate the different approaches to Children's Literature in various countries.
LITERARY GENRES AND TERMS 23UENGE35	Understand new definitions of contemporary critical issues such as 'Cyber criticism' and 'Globalization'.
	Gain insight to an exhaustive range of entries, covering numerous aspects to such topics as genre, form, cultural theory and literary technique.
	Get a complete coverage of traditional and radical approaches to the study and production of literature.
	Recognize and interpret literary images and symbols to infer their relationship to the main themes of the text.
	Gain thorough accounts of critical terminology and analyzes of key academic debates.
WORLD LITERATURE IN TRANSLATION 23UENGC43	Gain an exposure to some Classics in World Literature, both in the me and form.
	Be able to identify elements of universal literary merits as well as critically compare some of the great works of the East and the West.
	Gain an understanding of the works in their cultural / historical contexts and of the enduring human values which unite the different literary traditions.
	Pay attention to critical thinking and writing with in a framework of cultural diversity
	Appreciate and examine the literary, cultural and human significance of the works of the diverse literary traditions.
LANGUAGE& LINGUISTICS 23UENGC44	Comprehend the essential link between language and culture. Gain in-depth understanding on the growth of the English language under the influence of various other languages including Latin and French, besides being mentored in the structural nitty-gritties of the language.
	Gain extensive insight into the history of English literature, while laying special emphasis on various literary movements, genres and writers that are held to be there presentative of their times.
	Evaluate the way socio-cultural and historical phenomena influence the literary production of a particular period
	Familiarize themselves with the socio-cultural ambience and the discursive frameworks of various ages



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Apply critical thinking, independent judgment, intercultural sensitivity and regional, national and global perspectives to identify and solve problems in English Language and Linguistics
WOMEN'S WRITING 23UENGC51	Recognize the background, origin and special features of women's writing with reference to western society
	Integrate knowledge of the diversity of cultures through the works of various Women writers
	Analyse various perspectives of women issues as expressed in the works of women writers representing women's voices.
	Identify how the significant others of the society contributed to the clear understanding of womanhood and authorship
	Analyse and examine the major socio cultural and socio-economic constraints in defining women as equal human being through the works of women writers
INTRODUCTION TO FOLK LITERATURE 23UENGC52	Identify the fundamental characteristics and functions of folklore
	Get acquaint with the famous folk scholars of the world
	Enhance knowledge of various folk forms
	Interpret and analyze folklore from various theoretical perspectives
	Recognize the role of theories and methodologies in folklore studies and how they have been adapted in famous literary works
INDIAN WRITING IN TRANSLATION 23UENGC53	Recognize the multifaceted nature of cultural identities in the various Indian literatures through indigenous literary traditions
	Compare literary texts produced across Indian regional landscapes to seek similarities and differences in thematic and cultural perspectives.
	Learn to explore images in literary productions that express the writers' sense of their society.
	Explore texts outside of the suggested reading lists to realize the immense treasure trove of translated Indian literary works.
	Be familiar with concepts such as modernism, regionalism, the contemporary representations of history, class, and gender in modern Indian writing in translation
HISTORY OF ENGLISH LANGUAGE 23 UENGE55	1. Knowledge about the origin and development of the English language.
	2. A good knowledge of the growth of the English Language.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	3. Understanding of the fundamental concepts and terms in history of language.
	4. An adequate knowledge of British and American English.
	5. Understanding of borrowed words and phonology
LITERATURE AND ENVIRONMENT 23 UENGE56	Demonstrate complex and various representations of Nature in Green Studies.
	Discuss different generic and formal modes of construction, including strategies for representing ecological disaster and apocalypse.
	Utilize the skills to reflect upon and critique both the real-world environmental crisis and representations of related issues by thinking with important contemporary theoretical concepts.
	Apply appropriate critical strategies to analyze the ideological dimensions of representations of nature and ecology in literature.
	Formulate secondary critical reading material, assessing the scholarly arguments that might contribute to their intellectual projects
LITERARY CRITICISM 23UENGC61	Demonstrate familiarity with the history of literary theory in the West, including prominent theorists and critics, important schools and movements, and the historical and cultural contexts important to those theories
	Demonstrate an understanding of key concepts in literary Theory
	Understand the meaning, significance, and value of specific literary theoretical works.
	Analyze specific literary theories in order to distinguish them from other theories and to identify the structure and logic of their arguments.
	Use literary theoretical concepts to develop your own interpretation so literary texts.
NEW LITERATURES IN ENGLISH 23UENGC62	Associate and recount the impact of colonial rule throughout the world and how English permeated all colonies
	Explore the literatures from various colonies especially after the end of colonial rule expressing a cultural longing for their past and challenging the colonial intervention
	Compare, discuss and explain interconnections and functions of post-colonial literature and its contexts including comparative and interdisciplinary issues
	Critically evaluate arguments and assumptions about postcolonial literature.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Examine culture and its relationship with individual memories and familial relationships, and how these emerge as powerful narratives of race and history
SHAKESPEARE 23UENGC63	Demonstrate an understanding of the historical, cultural and political contexts of the plays discussed
	Show evidence of wider reading and a knowledge of Shakespeare scholarship.
	Articulate ideas that identify, analyze and communicate principles and concepts of the plays
	Understand the distinctiveness of Shakespeare's works with special reference to the immortal characters he created, his intuitive understanding of human nature and the greatness of his craftsmanship
	Analyze and appreciate the literary expertise of Shakespeare and his relevance to the current society
JOURNALISM AND MASS COMMUNICATION 23UENGE64	Acquire the knowledge of the origin and development of the print, electronic and web media.
	Enhance the knowledge of growth of print, electronic and web
	Analyze the significance of speech communication.
	Exercise their knowledge in producing a creative journal
	Analyze the social issues relevant to the society and sensitize through their professional skills in this field
MYTH AND LITERATURE 23UENGE65	Understand the origin and sources of myths in literature
	Develop an in- depth knowledge of the theoretical approaches of myth, ritual, philosophy, methods and contemporary issues in religious studies from ancient times to modern times.
	Gain insight to the basic idea of Vedic Epic and Puranic Mythology and also the connection among Fire, Rain, Stars, Holy Drink, Supernatural birth, Mountains & Rivers, Holy places & Festivals
	Understand symbolism with its different types and dimensions
	Develop in-depth psychological devotion to the perspectives of Indian Mythology in Literature, Art, and Music
PROFESSIONAL COMPETENCY SKILL ENGLISH FOR COMPETITIVE EXAM 23UENGF66	Remember the literary terms forms and theories
	Recognize the different periods of English literature
	Identify the various trends and culture and its influence on English Literature
	Aware of the social, political and cultural issues and its reflections in literature.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Interpret any literary piece of work
PG	
23PENG11: ENGLISH POETRY	Gain ideas about the old English writing style.
	Acquire knowledge about various forms of poetry during different centuries.
	Evaluate various poets as representatives of their periods
	Trace the evolution of various literary movements
	Justify British Poetry as an aesthetic record of the societies concerned
23PENG12: ENGLISH DRAMA	Appraise various aspects of drama and theatre
	Identify drama and performance as a cultural process and an artistic discourse
	Evaluate plot structure, characterization and dialogue
	Interpret drama texts as aesthetic records of their times viz., Elizabethan, Restoration, Victorian and Early Modern ages
	Examine the sequential course dealing with Modern and Postmodern British Drama
23PENG13: ENGLISH FICTION	Gain wide knowledge about different types of novels.
	Learn the art of writing different forms of novels with the learned notions.
	Explore Social, domestic and gothic novels.
	Assess philosophical and political underpinnings of Victorian morality, anti Victorian realities and the aesthetic movement.
	Infer themes relating to the turn of the century events through close reading of text.
23PENG14-1: INDIAN WRITING IN ENGLISH	Understand the themes of Indian Writing in English
	Identify the major trends in Indian Writing in English
	Examine the background and settings of the prescribed texts
	Evaluate the cultural significance of Indian English Literature
	Gain exposure to diverse culture and literature and further get enlightened about socio-cultural scenarios in the contemporary era.
23PENG21 – AMERICAN LITERATURE	Analyze the movements and trends that shaped American literature



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Estimate various speeches and concepts of living which changed American history
	Evaluate the relation between aesthetics and racism in Fiction
	Validate representative socio-political, cultural, racial and gender perspectives in theatrical works
	Gain exposure to the different literary genres and its evolution in American Literature
23PENG22 – SHAKESPEARE STUDIES	Critically understand the appreciations by critics on Shakespeare
	Understand Elizabethan theatre and the theatre's development.
	Be familiarized with critical perspectives on Shakespeare's Plays and Sonnets
	Understand the trends in Shakespeare studies
	Learn Modern Approaches in Shakespearean criticism
23PENG23 – POST-COLONIAL THEORY AND LITERATURE	Critically understand the
	political and social background of the third world nations
	Understand the emerging trends in Post- Colonial Literature
	Be sensitive towards the problems and consequences of the decolonization of a country,
	Examine the ethnocentric perspective of different colonial cultures with respect to postcolonial literature
	Interpret the postcolonial concepts found in different literary genres
23PENG24 - 2: WOMEN'S WRITING	Examine and appreciate the role played by sociocultural-economic contexts in defining women.
	Be enlightened about the issues and concerns of the women writers of the developed and developing countries.
	Understand and appreciate the representation of female experience in literature
	Gain awareness of class, race and gender as Social constructs and how they influence women's lives.
	Be equipped with analytical, critical and creative skills to interrogate the biases in the construction of gender and patriarchal norms.
23PENG26 APPROACHES TO ENGLISH LANGUAGE TEACHING	Know the brief history of language teaching methods
	Understand the difference between the terms, methods, approaches and techniques used in teaching



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Identify the objectives, active role of learners, teachers and materials of different approaches in teaching
	Analyse the steps of teaching prose, poetry, grammar, non- detailed text etc and develop it.
	Perceive the use of radio and television in language learning
23PENG31: CONTEMPORARY LITERARY CRITICISM	Understand a literary text by applying various critical theories.
	Develop analytical understanding of the subject matter
	Analyze a literary text with reference to socio- political issues
	Evaluate critically and aesthetically the prescribed texts.
	Appreciate a text at emotional, intellectual, and aesthetic levels
23PENG32: TWENTY-FIRST CENTURY MILLENNIAL LITERATURE AND CULTURE	Analyze contemporary issues and its immediate requirement
	Effectively understand their social responsibility
	Gain exposure to the emerging trends in 21 st century millennial literature.
	Be equipped in the interdisciplinary theories.
	Appreciate the viability of interdisciplinary analyses of literary and cultural forms.
23PENG33: LITERATURE OF THE MARGINALIZED IN INDIA	Understand the historical and political background of Caste
	Focus on understanding the dimensions of discriminations
	Analyze a literary text with reference to socio-political Issues
	Evaluate the prescribed texts critically.
	Be exposed to a range of disciplines including history, sociology, ethnography, anthropology and literature.
23PENG34: JOURNALISM AND MASS COMMUNICATION	Understand the different phases of print and broadcast journalism in India.
	Draft newspaper headlines and do the role of a reporter
	Review a book or a film.
	Realize the importance of a documentary and short film in imparting social message



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Appraise and interpret the legal, ethical, and social aspect of media in everyday life.
23PENGE35-1: ORAL NARRATIVES	Identify the various genres of oral literature
	Know India's age-old literary tradition and cultural traditions through their exposure to oral literature in English
	Oral literary text as a tool of cultural study will help students to know the difference between social traditions and scientific beliefs.
	Learn various language patterns and dialogue forms of oral narratives.
	Be able to recognize the narrative techniques employed by the story tellers, singers, etc.
23PENGC41 – SUBALTERN STUDIES	Remember the diverse concepts that address issues of the subalterns.
	Comprehend the meaning and nature of the Subaltern history.
	Analyse various subaltern texts
	Determine the sources and structures of social inequalities.
	Develop strategies to deal with the issues of the marginalized successfully.
23PENGC42: CANADIAN STUDIES	Understand the historical and political background of Canadian Literature
	Be familiarized with the folklore's influence on Canadian. Literature
	Analyze a literary text with reference to socio- political. Issues
	Appreciate critically and aesthetically the prescribed texts.
	Evaluate a text at emotional, intellectual, and aesthetic levels

HISTORY	
SUBJECT	COURSE OUTCOMES
HISTORY OF ANCIENT INDIA UP TO 1206 CE (23 UHISC13)	Outline the characteristic features of pre and proto historic cultures in India.
	Discuss the impact of the Vedic culture on Indian society and religion.
	Examine Ashoka's policy of Dhamma.
	Justify Gupta Age as a classical age.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Describe the nature of Post-gupta polity and the invasions of Mahmud of Ghazni and Muhammed of Ghor.
HISTORY OF TAMILNADU UP TO 1311 CE (23UHISC14)	Describe the various sources for the study of history of Tamil Nadu.
	Examine the various aspects of Sangam Age.
	Explain the rise of Pallavas and their cultural contribution.
	Estimate the supremacy of the Chola power.
	Outline the achievements of the Second Pandyan Empire.
INTRODUCTION TO ARCHAEOLOGY (23UHISE15-1)	Define archaeology and explain different kinds of archaeology.
	Trace the archaeological developments from its beginnings.
	Describe the contribution of early archaeologists in India
	Explain the methods and techniques of archaeology.
	Classify the artefacts and describe the various types of analysis.
INTRODUCTION TO TOURISM (23UHISF17)	List out the various components and elements of tourism
	Explain the types and forms of tourism.
	Describe the roles of Travel Agent
	Explain the roles of Tour Operators
	Examine the importance of travel documents
HISTORY OF MEDIEVAL INDIA – 1206 – 1707 CE (23UHISC23)	Describe the foundation of the Delhi Sultanate and its early dynasties
	Elucidate the administration of the Delhi Sultanate and appreciate the Bhakthi and Sufi Movements
	Discuss the genesis and the conquest of the Mughals
	Outline the art and architecture and administration of the Mughals
	Illustrate the administration, art and architecture during the Bahmini and Vijayanagar kingdoms
HISTORY OF TAMIL NADU - 1311 – 1801 CE (23UHISC24)	Outline the rule of the Madurai Sultanate.
	Explain the impact of the Vijayanagar rule in Tamilaham.
	Compare and contrast the achievements of the Nayaks of Madurai, Senji and Thanjavur.
	Assess the contribution of the Marathas to Tamil culture.
	Examine Poligar rebellion as an early resistance against British imperialism.
WESTERN POLITICAL THOUGHT	Describe the political philosophy of Plato and Aristotle.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

(23UHISE25-1)	Discuss the Social Contract theory.	
	Compare the political ideas of Machiavelli and John Locke	
	Justify the advantages of utilitarian philosophy.	
	Describe the political ideas of Karl Marx and Antonio Gramsci.	
INTRODUCTION TO HISTORY (23UHISN16)	Describe the meaning and definition of history.	
	Explain the relationship between history and allied disciplines.	
	Illustrate the use of facts in writing history.	
	Examine the concept of causation in history.	
HISTORY OF INDIA – 1707 – 1857 CE 23UHISC33	Develop an essay based on sources using foot notes and bibliography.	
	Trace the causes for the advent of the Europeans to India	
	Discuss the outcome of the British-French rivalry	
	Describe the strategies used by the British to capture power like the Doctrine of Lapse, Subsidiary alliance etc.	
HISTORY OF INDIA – 1707 – 1857 CE 23UHISC33	Evaluate the administration and economic policies of British and its consequences like the Famine, Drain of wealth etc.	
	Elucidate the Indian response to the British especially the peasant and tribal uprisings, Poligar rebellion and 1857 revolt.	
	HISTORY OF TAMIL NADU SINCE 1801 CE 23UHISC34	Appreciate the contribution of early resistant movements in India
		Elucidate the nature and importance of the social movements in India
		Appreciate the contribution of Tamil Nadu towards Freedom movement
Describe the various welfare policies undertaken by the Governments in the State		
INDIAN POLITICAL THOUGHT 23UHISE35-1	Discuss and comprehend various issues in Tamil Nadu like the reservation, Sri Lankan Tamil issue etc.	
	Describe Kautilya's ideal of a State and administration.	
	Elucidate the ideas of Medieval thinkers like Barani and AbulFazal	
	Discuss the ideas of early modern thinkers like Raja Ram Mohan Roy, Ranade, Gokhale, Gandhi and Nehru.	
	Examine the ideas of radical political thinkers such as Bharathi and AurobindoGhosh	
INDIAN POLITICAL THOUGHT 23UHISE35-1	Evaluate the social impact of the ideas of Periyar and Ambedkar.	



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

ENTREPRENEURSHIP DEVELOPMENT 23UHISS36	List out the traits of an entrepreneur
	Explain how to start small industry and related government subsidies
	Describe how to market the products produced.
	Explain the various quality assurance techniques
	Examine the importance of human behaviour and stress management.
INTRODUCTION TO MANAGEMENT 23UHISS37	Describe the management principles.
	Explain the various aspects of marketing management.
	Demonstrate the significance production management.
	Explain the principles of human resource management.
	Demonstrate the utility of financial management.
FREEDOM STRUGGLE IN INDIA 23UHISC43	Assess the role of the socio-religious movements in India
	Compare and contrast between the moderates and extremists
	Elucidate Gandhi's leadership and transforming India's freedom struggle based on mass movements
	Describe the Constitutional provisions and legislations for women
	Discuss the causes and consequences of the Partition of India
HISTORY OF MODERN EUROPE – 1789 – 1919 CE 23UHISC44	Assess the legacy of French Revolution and the life and contribution of Napoleon
	Discuss the Metternich system and its impact
	Appreciate the efforts to bring peace in the post Napoleonic era and the unification of Italy and Germany
	Describe the Eastern Question and spread of Nationalism in Eastern Europe
	Elucidate the causes, course and consequences of the First World War
MODERN GOVERNMENTS 23UHISE45-1	Describe the meaning and types of constitution.
	Explain the different types of government.
	List the powers and functions of the Legislature
	Highlight the powers and functions of the Executive.
	Evaluate the significance of Judicial Review.
COMPUTER TRAINING 23UHISS46	Describe the computer components.
	Explain how to create and save a word document
	Demonstrate how to use word document by typing a CV or a letter.
	Explain how to create a Power Point presentation.
	Demonstrate a slide show presentation using Power Point.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

Tourism and HOTEL MANAGEMENT 23UHISS47	Describe the salient features of the Hotels
	Elaborate the Structure and Functions of the various sections of the Hotels
	Explain the Hotel chains and important Hotel Organisations
	Explain the Structure and Functions of the Front office
	Discuss the uses of computers in Hotels
HISTORY OF THE WORLD 1919-2020 C.E. 23UHISC51	Discuss the impact of Fascism and Nazism in the interwar years.
	Examine the factors that led to the Cold War and describe its various stages.
	Examine the nature of anti-colonial struggle in the Afro-Asian countries.
	Discuss the impact of Arab nationalism and describe the Israel-Palestine Wars.
	Discuss the causes and consequences of decline of the Soviet Union.
SELECTED THEMES IN HISTORY OF USA 23UHISC52	Assess USA's efforts to abolish slavery and reconstruction of the South post-Civil War
	Discuss about the Westward movement and rise of big business and its consequences
	Describe US attempts to become imperialist and its involvement in the First World War
	Evaluate the transformation of US as a world power and its role in the Cold War
	Elucidate America's multiculturalism and politics over War on Terrorism
HISTORY OF CUDDALORE DISTRICT 23UHISC53	List out the geographical conditions of Paleolithic and Neolithic period in Cuddalore district.
	Describe the system of administration followed by the Kings of Nadunadu.
	Discuss the development of Higher and Technical Education.
	Justify the advantages of Socio-Economic and Political development of Cuddalore district
	Analyse the ideological narrations of intellectual thinkers in Cuddalore.
ELEMENTS OF HUMAN RIGHTS 23UHISE55-1	Trace the origin and development of human rights
	Evaluate the contribution of UN towards protection of human rights
	Discuss the role of NGOs in safeguarding human rights.
	Evaluate the role of human rights institutions in India.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Describe the human rights issues of the marginalized sections of the society.
HISTORY OF DRAVIDIAN MOVEMENT 23UHISE56-1	Examine the Growth of Nationalism as response to British Colonial Rule in Burma and Malaya
	Explain French Colonial Administration and the Nationalist response in Vietnam and Analyse the Monarchic al State in Thailand
	Trace the Emergence of Dutch Colonialism in Indonesia and Nationalist Uprising
	Assess the Spanish Colonialism and US Colonialism in Philippines
	Compare the effects of Japanese Invasion in South East Asian Nations and Post-War Nationalism

POLITICAL SCIENCE	
SUBJECT	COURSE OUTCOMES
COMPARATIVE GOVERNMENTS	Examinetheevolution,sources and natureof ComparativePolitics and constitutionalism
	Identifythesystems in the UK constitution
	Interpret the Constitution of USA.
	Analysethe features of Constitution of China
	Assess the working of the constitution of Switzerland.
PRINCIPLES OF SOCIOLOGY	Describe the fundamental theoretical aspects of Sociology
	Illustrate the presence and interactions of the social structure
	Analyse the differences in the urban and rural society and their correlations with development
	Identify the major societal issues.
	Categories the challenges faced by every person.
FOUNDATIONS OF THE INDIAN CONSTITUTION	be able to understandthe essential provisions of theIndian Constitution
	will beabletoassess the functions of the Union Executive



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	beable to assess the functions of the Union Legislature
	beable to assess the functions of the State Executive and State Legislature
	beable to assess the functions of the Rural and Urban Local Governments
POLITICAL THEORY AND POLITICAL ANALYSIS	Be able to understand the approaches to study Political Science
	Be able to get know the various theories in the field of Political Science
	Have a knowledge on the different concepts in the field of Political Science
	Understand the debates in Democracy
	Be enlightened on the political ideologies
CONSTITUTION OF INDIA	Decipher constitutional law, its meaning, importance, and its evolution in India.
	Explain the making of Indian Constitution, its sources, and significant aspects.
	Understand the organs of the union government.
	Comprehend the organs of the state government.
	Examine the structure, functions and powers of the judicial system and electoral process in India.
ELEMENTS OF PUBLIC ADMINISTRATION	Identify the scope of Public Administration
	To analyse the various principles of Public Administration
	Illustrate the theories of Public Administration
	Discuss the principles and tools of administration
	To examine the relationship between power and responsibility in administration
PERSPECTIVE ON HUMAN RIGHTS	Explain and describe the development of the theories and concepts of Human Rights.
	Analyze and evaluate the international human rights protection regime.
	Explain and appraise the effectiveness of the human rights protection mechanism in India and compare it with the world.
	Decipher the social movements to protect human rights
	Comprehend the structural and direct violence
WESTERN POLITICAL THOUGHT	Explain and describe the significance justice and the importance of education and sacrifice



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Analyze and evaluate the reasons for revolutions and will know the features of an ideal state
	Appraise the effectiveness concepts of justice, equality and liberty
	Have a knowledge on the world peace and the importance of law
	Be able to deduce the characteristics of a good ruler
INTRODUCTION TO INTERNATIONAL RELATIONS	Discuss the nature and scope of international relations
	Explain and illustrate concepts of international relations like national interest and national power
	Explain and illustrate balance of power, collective security, the League of Nations and the UNO
	Explain international law, international ethics and world public opinion
	Discuss various theories of foreign policy, changing diplomacy and important contemporary global problems
POLITICAL COMMUNICATION	Appreciate the importance of political communication.
	Analyse the actors and research involved in political communication
	Assess the critical benchmarks in political communication
	Examine post-cold war era. cognitive level- K3 and K4 Comprehend and Analyse
	Critique analyse the emerging trends in the 21 st century world. cognitive level - K4 and K5 Assess and Evaluate
POLITICAL ENTREPRENEURSHIP	Understand the fundamentals of political entrepreneurship
	Examine the political entrepreneurship ecosystem
	Analyse the practical dynamics of political entrepreneurship
	To decipher political start-ups
	To comprehend political consultancy
DIGITAL GOVERNANCE	To hold a strong base in attaining knowledge about the Digital Governance
	To identify the digital transformation and the components of digital system.
	To analyse the Ethical issues of the information age and also the harmful uses.
	Decipher ethical issues



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Comprehend data democracy
POLITICAL IDEOLOGIES	Understand the conceptual premise of political ideologies
	Analyse the ideological interfaces of Socialism, Communism, Anarchism and Communitarianism
	Examine the ideological frameworks of Centrism, Liberalism, Conservatism and Fascism
	Know the ideological domains of Nationalism, Feminism, Ecologism and Environmentalism
	Learn the ideological tenets of Post-Colonialism, Post-Modernism, Multiculturalism and Populism
MODERN POLITICAL THOUGHT	Interpret social contract theories
	Comprehend principles of liberty and separation of powers
	Decipher dialectic and communist doctrines
	Contrast ideas of bureaucracy with Chinese democracy and hegemony
	Differentiate between concepts of liberty, justice and feminism
HUMAN RIGHTS	Analyse the theories of human rights
	Trace the evolution and growth of humane rights
	Approach organs established for human rights
	Assess and find remedies for violations of human rights
	Appraise the contemporary issues in human rights
POLITICAL JOURNALISM	Understand how to advocate and report issues.
	Master the ways and means of political journalism
	Analyze the contemporary methods of advocacy through media
	Understand the role of media in political process
	Access knowledge to overcome all the challenges faced in political journalism.
GENDER AND POLITICS	Discuss the nature and scope of Gender Studies
	Explain and illustrate Feminist theories
	Decipher and illustrate Gender Justice
	Comprehend Gender Power
	Discuss various policies and the role of media in Gender development
BASICS OF SOCIAL SCIENCE RESEARCH	Define principles of social science research and its various methods and approaches
	Analyze various research processes and designs and
	Examine multiple data collection techniques



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Apply various sampling techniques and fundamentals of statistics
	Have practical knowledge on techniques like report writing and note making
INDIAN GOVERNMENT AND POLITICS	Have knowledge on the nature of the Indian Political System.
	Understand the structure and functioning of the legislature, executive and judiciary at the Centre and states.
	Be familiar with party system and electoral dynamics in the country.
	Acquire knowledge on the measures taken by the government for the welfare of the people.
	Be able to analyse the issues and challenges to be tackled with respect to the Indian society, economy and polity.
INDIAN FOREIGN POLICY	Examine the determinants of India's Foreign Policy
	Discuss foreign policy concerns of India in relation to Major powers.
	Estimate India's position concerning her foreign policy towards her neighbors.
	Understand variables and constants in India's foreign policy towards International Organizations.
	Analyze India's new foreign policy imperatives.
CONTEMPORARY WORLD POLITICS	Be able to address contemporary Global concerns
	Be able to examine Global commons
	Have practical knowledge on techniques to resolve Global Economic and trade prerequisites
	Be able to resolve Global Security problems
	Have solutions for Global Peace
ELECTION AND POLITICS	Be introduced electoral systems and electoral studies.
	understand role of political parties and pressure groups in elections and representation in the legislature
	Shall study the voting systems and models of voting behaviour.
	Gain knowledge on electoral culture, electoral process and electoral politics.
	Analyse the electoral system and process in India
INTERNATIONAL ORGANISATION	Have knowledge of the history, evolution and role of international organizations



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Understand the structure, objectives and role of United Nations
	Know the objectives and role of the agencies of United Nations
	Understand the structure and role of regional organizations and organizations for development
	Acquire knowledge about the role of supranational organizations and international NGOs
INDIAN POLITICAL THOUGHT	Know Indian liberalism and economic drain
	Comprehend the spiritualization of Politics
	Decipher ideas of non-violence and satyagraha
	Discern ideas of secularism, communism and liberalism
	Know the concept of humanism and total revolution
PRINCIPLES OF GEOPOLITICS	Describe the definition and origin of geopolitics
	Assess the various theories in geopolitics
	Analyse the geopolitical regions in depth
	Evaluate the contemporary changes and development in geopolitics
	Explain the issues faced by the international communities in geopolitics
TAMIL NADU GOVERNMENT AND POLITICS	Describe the political developments in Madras Presidency during 20 th century.
	Express and interpret the rise and fall of Congress in Tamil Nadu.
	Analyse and discuss the birth and progress of DMK in Tamil Nadu
	Analyse and discuss the birth and progress of AIADMK in Tamil Nadu
	Indicate the role of minor parties of Tamil Nadu and examine and correlate the impact of cinema, language and caste on Tamil Nadu politics.
SOCIAL AND POLITICAL MOVEMENTS IN INDIA	Recognize the role and importance of social and political movements for the development of the nation
	Be able to identify the role played by anti-caste movements in bringing equality among people
	Have a knowledge about the achievements of the self-respect movements in India
	Have information about the role of leaders of these movements



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalaiagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Have a comprehensive data on the various kinds of movements in India
POLITICAL PARTIES IN INDIA	Have an understanding on the importance of Political Parties and their role in governance
	Would know the how the Indian Political System grew through the role and ideology of National Parties
	Be appraised of the necessity, situation and the emergence of regional parties and their success in government formation at state level
	Recognize the impact of media in the role of political parties
	Be able to analyse the changing political scenarios
PEACE AND CONFLICT RESOLUTION TECHNIQUES	Understand the basic concepts of peace and conflict
	(Understand – K2)
	Apply the methods and techniques of peace work and conflict workers (Apply – K3)
	Explain the dynamics in peace and conflict (Explain – K2)
	Analyse the issues and challenges in peace and conflict
	(Analyse – K4)
	Examine the nuances of peace as a practice
(Analyse – K4)	
PG	
23PPOLC11: POLITICAL THEORY	Enumerate the growth and impact of political science as an academic discipline. Cognitive level 1 and 2- Recalling and Understanding
	Summarize the probable origin of the state – Cognitive level - K2 and K3 – Recalling and understanding
	Describe the dynamics of law and power - cognitive level – K2 and K3 Understand and describe
	Examine concepts of liberty, equality and rights. cognitive level- K3 and K4 Comprehend and Analyse
	Critique analyse the emerging trends the concepts of citizenship and political obligation in the modern world. cognitive level - K4 and K5 Assess and Evaluate



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23PPOLC12: INTERNATIONAL RELATIONS: CONCEPTS, THEORIES AND ISSUES	Enumerate the factors/determinants of bilateral relations among nations- Cognitive level 1 and 2- Recalling and Understanding
	Summarize the need for detente based on the chronology of historical events– Cognitive level - K2 and K3 – Recalling and understanding
	Describe the dynamics of collective security- cognitive level – K2 and K3 Understand and describe
	Examine impact of globalisation. cognitive level- K3 and K4 Comprehend and Analyse
	Analyse the global concerns in the 21 st century world. cognitive level - K4 and K5 Assess and Evaluate
23PPOLC13: WESTERN POLITICAL THINKERS	Understand the historical context of Political thinking in Western Countries. - Cognitive level 1 and 2- Recalling and Understanding
	Comprehend the expansion of western political thinking from Europe to the world through Rome.– Cognitive level - K2 and K3 – Recalling and understanding
	Examine the influence of Renaissance and the rise of Intellectual exercises in political theory in the west. - cognitive level – K2 and K3 Understand and describe
	Discuss the rise of Ideologies in the west and the intellectual foundations for them.- K3 and K4 Comprehend and Analyse
	Know how western political thinking continues through the post classical thinkers. cognitive level - K4 and K5 Assess and Evaluate
23PPOLE14-1: POLITICAL LEADERSHIP	Enumerate the factors/determinants of Political Leadership - Cognitive level 1 and 2- Recalling and Understanding
	Summarize the dynamics of Political Leadership– Cognitive level - K2 and K3 – Recalling and understanding
	Describe the importance and relationship between leadership and governance- cognitive level – K2 and K3 Understand and describe
	Understand through Case Studies. cognitive level- K3 and K4 Comprehend and Analyse



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Critique analyse leadership in the 21 st century world through case studies. cognitive level - K4 and K5 Assess and Evaluate
23PPOLE14-2: ELECTORAL POLITICS	Enumerate the factors/determinants of Electoral Politics. Cognitive level 1 and 2- Recalling and Understanding
	Appraise the electoral stages and need for ethics – Cognitive level - K2 and K3 – Recalling and understanding
	Describe the different voting systems of the modern world- cognitive level – K2 and K3 Understand and describe
	Examine electoral culture and the laws associated with it cognitive level- K3 and K4 Comprehend and Analyse
	Critically analyse the emerging trends in the 21 st century world with voting behaviour and the electoral reforms needed. cognitive level - K4 and K5 Assess and Evaluate
23PPOLE15-1: DEMOCRATIC	Understand the fundamental principles of Democratic Constitutional Design
CONSTITUTIONAL DESIGN	Know the types and implications of constitutional designs
	Explain the nature of representation and participation in democratic governance
	Examine the relationship between constitutional design and democratic governance
	Critically analyse the impact of globalization on democratic constitutional design
23PPOLE15-2: POLITICAL CAMPAIGN MANAGEMENT	Explain the historical, marketing and entrepreneurial contexts of political campaigns and consultancy. (Understand – K2)
	Design and execute effective political campaigns by developing strategies that consider the political environment, target specific segments of the electorate, and convey a compelling campaign message. (Create – K6)
	Develop voter mobilisation strategies that identify and target key voters, use effective communication and engagement tactics, and implement successful Get Out the Vote (GOTV) strategies to drive voter turnout.(Create – K6)



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>Appraise effective digital campaigns that leverage social media and Artificial Intelligence (AI) to reach and engage specific voter segments and maximise campaign impact.(Evaluate – K5)</p>
	<p>Plan and execute effective post-election strategies, including transition planning for elected officials, building and maintaining political networks, and ensuring compliance with campaign finance reporting requirements. (Apply – K3)</p>
23PPOLC21: CONSTITUTIONAL LAW IN INDIA	<p>Examine Learn the evolution and basic framework of the Indian Constitution- Cognitive level 1 and 2- Recalling and Understanding</p>
	<p>Summarize the Fundamental Rights, Directive Principles of State Policy, Fundamental Duties and important Judicial Doctrines in India – Cognitive level - K2 and K3 – Recalling and understanding</p>
	<p>Describe the dynamics of the structure and powers of the important offices and authorities of the Union Government - cognitive level – K2 and K3 Understand and describe</p>
	<p>Examine important offices and authorities of the States and Union Territories in India. cognitive level- K3 and K4 Comprehend and Analyse</p>
	<p>Critique analyse the Local Self-Government, Centre-State Relations and important Constitutional Bodies in India. cognitive level - K4 and K5 Assess and Evaluate</p>
INDIAN GOVERNMENT AND POLITICS	<p>Enumerate the factors/determinants of Nation Building - Cognitive level 1 and 2- Recalling and Understanding</p>
	<p>Summarize the impact of caste in India– Cognitive level - K2 and K3 – Recalling and understanding</p>
	<p>Describe the dynamics of religion cognitive level – K2 and K3 Understand and describe</p>
	<p>Examine ethnic factors and regional sentiments cognitive level- K3 and K4 Comprehend and Analyse</p>
	<p>Analyse the party systems and pressure groups in India. - cognitive level - K4 and K5 Assess and Evaluate</p>
INDIAN POLITICAL THOUGHT	<p>Have an understanding of Ancient and Medieval Indian political thought.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Gain knowledge on the social, economic and political ideas of Raja Ram, Swami Dayanand, DadabhaiNaoroji and Sir Syed Ahmed Khan.
	have an understanding of the social, economic and political thought of Gopal Krishna Gokhale, BalGangadharTilak, M.K.Gandhi and M.A.Jinnah.
	Understand the social, economic and political ideas of AurobindoGhosh, Jawaharlal Nehru, B.R. Ambedkar, and V.D.Savarkar.
	Shall be introduced to the social,economic and political thought of Jayaprakash Narayan, M.N.Roy, R.M.Lohia and S.A.Dange.
BUREAUCRACY AND POLITICAL EXECUTIVE	Evaluate the different theoretical frameworks of Bureaucracy and its relationship with the Political Executive. (Evaluate– K5)
	Analyse the factors that shape the relationship between Bureaucracy and Political Executive in different countries. (Analysis - K4)
	Appraise the effectiveness of administrative reforms in shaping the relationship between Bureaucracy and Political Executive. (Evaluation - K5)
	Identify the unfolding patterns ofBureaucracy and Political Executive in developing countries. (Apply– K3)
	Discuss the impact of technology on Bureaucracy and Political Executive. (Create - K6)
POLITICAL ECONOMY OF DEVELOPMENT	Hold a strong base of the concepts of economic development
	Utilize the knowledge of Indian economy and planning
	Hold a strong base of importance economic development economic planning
	Utilise the knowledge of the economic policies of India
	Hold a strong base of international Institution for economic development
23PPOLE25-1: National Security of India	Hold a strong base in the methods and strategies of national security



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Identify and analyse the security and strategic environment
	Hold a strong base about the internal threats to India's internal security
	Understand the non-military dimensions of India's security
	Evaluate the recent developments and challenges to National security
23PPOLE25-2: LEGAL AWARENESS	Hold a strong base in the complaint system in India and the ways and means to approach it.
	Utilise the knowledge of the other laws and environment protection law
	Hold a strong base about consumer laws and rights
	Examine organisation that aim to protect people whose rights are violated. cognitive level- K3 and K4 Comprehend and Analyse
	Analyse the laws and rights related to cyberspace. cognitive level - K4 and K5 Assess and Evaluate
POLITICAL JOURNALISM	Hold a strong base in the methods and strategies of Political Journalism.
	Identify and analyse the role of Political Organisations in Journalism
	Hold a strong base about Media and its role in elections
	Hold a strong base about Media and Public Opinion and its role in Political Journalism
	Holds a strong base about the recent developments and challenges in journalism
RESEARCH METHODS IN POLITICAL SCIENCE	Summarise the various theories in Political Science Research Methodology
	Experiment with the subject using the appropriate methodology
	Examine the data collection techniques
	Choose appropriate techniques for data analysis.
	Write a well-formulated research paper along with proper references.
COMPARATIVE POLITICS	Explain the meaning and significance of Comparative Politics. (Understand- K2)
	Compare and contrast the concepts of modern State



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	(Analyse– K4) Apply the debates on political structures and institutions to real-world situations. (Apply - K3) Evaluate the issues pertaining to political instability and political conflicts. (Evaluate– K5) Construct a comparative analysis of political transformations, including revolutions and coups d'état. (Create– K6)
INTERNATIONAL ORGANISATION	Explain the theoretical approaches of International Organisations Analyse the effectiveness of united nations Explain the functioning of global institutions Illustrate the roles and the nuances of the prominent regional organisation Assess the contribution of International Non-Governmental Organisations to maintaining human rights and world peace
CONTEMPORARY	Understand the fundamental ideas of Contemporary Political Theory
POLITICAL THEORY	Know the basic assumptions of the Pluralist Theory of Politics, Group Theory and Decision-Making Theory
	Examine the nature and relevance of the Political Communication and the basic assumptions of the General System Theory and Structural-Functional Theory
	Learn the concepts of democracy and citizenship and the debates surrounding them
	Critically analyse the concept of justice
GRASSROOT DEMOCRACY IN INDIA	Appreciate the importance of grassroots democracy. Explain the origin of the rural grassroots institute Assess the various structures of the Urban local governments Interpret the origins of the urban local government Explain the working and the structure of the urban local governments
GOVERNMENT RELATIONS AND HUMAN FACTOR ENGINEERING	Learn the ways to establish Legislative Priorities. Learn the legislative tracking and policy monitoring technology.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Understand the need to educate government officials about business, company and issues
	Understand the grassroots strategy which will help the policy agenda
	To know about government relations strategy and acknowledge the impact of workplace design and environment on productivity
POLITICAL COMMUNICATION	Appreciate the importance of political communication.
	Analyse the actors and research involved in political communication
	Assess the critical benchmarks in political communication
	Examine post-cold war era. cognitive level- K3 and K4 Comprehend and Analyse
	Critique analyse the emerging trends in the 21 st century world. cognitive level - K4 and K5 Assess and Evaluate
POLITICAL CASE STUDIES	Enumerate the factors/determinants case study on wars - Cognitive level 1 and 2- Recalling and Understanding
	Analyse political leaders as a case study– Cognitive level - K2 and K3 – Recalling and understanding
	Describe the dynamics of gender issues as a study- cognitive level – K2 and K3 Understand and describe
	Examine issues pertaining to states- K3 and K4 Comprehend and Analyse
	Analyse issues as a case study. cognitive level - K4 and K5 Assess and Evaluate
SUMMER INTERNSHIP	Summarise the experience as a term paper
	Have a enriched experiential learning
	Exposed to data collection techniques
	Experienced data analysis.
	Write a well-formulated research paper along with proper references.
GOVERNANCE AND	Enumerate the factors/determinants of Public Policy- Cognitive level 1 and 2- Recalling and Understanding
PUBLIC POLICY	Summarize the need for Public policy formulation– Cognitive level - K2 and K3 – Recalling and understanding



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Describe the dynamics of policy Implementation- cognitive level – K2 and K3 Understand and describe
	Examine policy evaluation. cognitive level- K3 and K4 Comprehend and Analyse
	Analyse policy evaluation. cognitive level - K4 and K5 Assess and Evaluate
REGIONAL POLITICS IN INDIA	Have a clear idea of the concept of regionalism
	Have knowledge on regional aspirations
	Know the constitutional provisions for federal nation
	Have a fair idea of regional imbalances in India
	Know why and how regional state behave
PROJECT WITH VIVA VOCE	To introduce the students to the fundamentals of research
	To identify appropriate data collection methods
	To familiarize students to undertake field surveys
	To help students analysedata through scientific tools
	To familiarise students with the trends in research techniques
INTERNATIONAL LAW	Have knowledge on International Law
	Have a clear idea about the International legal system
	Know the Maritime laws and practices
	Clear view about Asylum procedures
	Know the way International Organisations work for peace.
DISPUTE RESOLUTION	Understand fundamentals of conflict resolution
	Analyse the different constituents in conflict management
	Examine the trends in conflict scenarios
	Examine post-cold war era. cognitive level- K3 and K4 Comprehend and Analyse
	Analyse the world peace. cognitive level - K4 and K5 Assess and Evaluate
HUMAN RIGHTS PERSPECTIVES	Know the basic ideas of human rights
	Examine the theoretical and legal foundations of human rights
	Analyse the contemporary trends in human rights
	Examine human rights and human security - K3 and K4 Comprehend and Analyse



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalaiagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Case study assessment. cognitive level - K4 and K5 Assess and Evaluate
--	---

PUBLIC ADMIN	
SUBJECT	COURSE OUTCOMES
Principles of Public Administration	To decipher the knowledge on the basic concepts of public administration and understand how the functions.
	To evaluate the knowledge on evolution and relevance of public administration.
	To gain insights on various functions of administration and its principles.
	To trace the growth of Public Administration and the trends.
	To distinctively understand the objectives of administration, governance and organization.
ADMINISTRATIVE THINKERS	To understand the basic concepts and ideas of Public Administration.
	To examine the characteristics features of ideas of various thinkers.
	To have insight on ideas emerging during different time periods
	To distinguish the Concepts of various approaches and theories of Thinkers.
	To apply the ideas / theories to real time situations.
Law, State and Government	To analyse the concepts and dimensions of law and its origin
	To describe the evolution and changing concepts of State and legal system



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To comprehend and describe the nature and characteristics of various theories of State
	To evaluate the intrinsic relationship between law and Political System .
	To review the various ideas and concepts related to political systems
BUSINESS COMMUNICATION	Understand the basics of communication and its Process, Elements, and its importance.
	Acquire communication skills.
	Employ the art of report preparation and writing Business Letters.
	Use appropriate technology for business presentations and digital communication and write E-mails in a structured pattern.
	Employ the art of report preparation
PUBLIC POLICY MAKING IN INDIA	To examine the basic concepts such as public policy, policy analysis, public policy process and governance
	To recall the different stages of the public policy process in terms of theoretical formulation and the process
	To apply necessary competence to undertake policy analysis
	To elaborate on the concepts using practical examples involving public policy issues.
	To discuss the issues in public policy implementation
FINANCIAL ADMINISTRATION IN INDIA	To describe the basic concepts public finance in India
	To outline the different stages of the budgetary process and financial administration in India
	To classify the types of budgeting used in India
	To evaluate the various mechanism for control over public expenditure
	To construct the significance of Public Finance in India
INTRODUCTION TO CONSTITUTION OF INDIA	To review the working of the Indian Constitution
	To outline the main tenets of the Constitution
	To relate the functioning of the government along with Constitutional guidelines.
	To trace the constitutional history of India.
	To assess the significance of Indian Constitution
INTRODUCTION TO PUBLIC RELATIONS (23UPUBN16)	To understand the significance of Public Relations in Public administration
	To examine how transparency in administration is made possible through media
	To have an insight on the use of the technological advancement in Public Relations.
	To integrate various concepts in Public Administration to promote Relations



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To develop writing skills for newspapers and creation of Blogs.
DISASTER MANAGEMENT(23UPUBN26)	To describe the functioning of organizations in disaster Management
	To discuss the conceptual and theoretical understanding of Disaster Preparedness and Mitigation
	To develop an insight on disaster mitigation.
	To limelight the emerging issues and lessons learnt in disaster management
	To assess the significance of disaster management in the context of development
Comparative Public Administration (23UPUBC33)	To analyze the emerging concepts and dimensions of comparative public administration
	To evaluate the social fabrics of developed and developing countries
	To compare the pertinent features of various political systems
	To diagnose the countries specific issues in public administration
	To appreciate the relevance between comparative approach of study
Organization Theory(23UPUBC34)	To demonstrate the importance of various proponents of theories.
	To determine the factors that lead to changes in the organizational setup
	To propose descriptive solutions to the ingrained problems of public organization.
	To justify the need for creating an effective organizational machinery through ideas of theorists
	To translate the theories into practice
Public Service Delivery in India (23UPUBE35)	To determine the strategic importance of planning for public service delivery
	To prioritize the sectoral dimensions in public service delivery
	To modify the structure of public service delivery system with other delivery system
	To critically measure the gaps /lapses in public service delivery
	To propose a possible solution to initiate effective plan of action for providing quality service
Digital Literacy	To organise the information/data as per the virtual learning norms
	To perceive how digital literacy can promote enlightened citizenship
	To agree that the 21 st century belongs to government and citizens who are digitally literate
	To justify why the traditional form of literacy has transformed into digital literacy



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To prove that digital literacy will become cost effective and enhance time management
Entrepreneurship and Skill Development	To propose an alternate options to acquire varied skills to absorb in both public and private organizations
	To appraise the objectives of the government to train its citizens to acquire individual skills to emerge as an entrepreneur
	To deduct how the state vs market debate has lead to initiate the scope for learning entrepreneurship skills
	To recommend how with changing times the student has to adapt by adopting new skills for development
	Understand the relevance between comparative approach of study
Techniques of Administrative Improvement	To apply appropriate techniques in identifying customer/citizens needs
	To measure the performance quality of personnel in administration and to identify areas for improvement;
	To integrating proven methodologies to enhance management processes through management aid tools.
	To choose a framework to evaluate the performance excellence of an organization, and confirm how certain performance indicators will help in achieving the objectives of the
	To validate how government has to take newer initiatives to enhance the well being of the society.
Administrative Institutions in India	To get an overview of different administrative institutions inIndia
	To distinctively examine the operational aspects of thepublic institutions.
	To assess the process of ethical values in the publicinstitutions
	To evaluate the relationship between constitutional and nonconstitutional bodies
	To analyse the changing nature of Centre –State relations.
Human Resource Management	To examine the core value of human resources in administration.
	To trace the growth of Human resources management andits emerging trends.
	To gain insights on various aspects of HRM and itsrelevance.
	To analyze the role of Trade Union Movement and itsrelationship with Industry.
	To enumerate the challenges of International HRM system.
Gender and Public Policy	To comprehend the role of gender in public policy making.
	To envision Women development, enhancing their equality and



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	equity in society.
	To examine the gender bias process in all dimensions.
	To interpret and identify the gender issues and problems
	To analyse the role of gender factor on demographic processes and economic development
Information and Cyber Security	To recapture the concepts, terminology, principles, and methods of information security and cyberspace.
	To evaluate the wide range of technologies, available tools, and practical approaches in information security and cyberspace.
	To acknowledge the professional responsibilities based on legal and ethical principles in the context of computing practice.
	To reiterate the needs for users in the field of developing information systems and building secure computer networks.
	To identify ethical responsibilities and professional certifications in the labor market for Information and Cyber security.
Project Management (23UPUBS47-1)	To have the knowledge on the basic concepts of management and understand how an organization function.
	To identify various tools and techniques to initiate the project plan.
	To perform a project assessment using information and requirements
	To assess the key deliverables based on requirements
	To develop project management skills and to build a positive career growth.
Basics of Social Science Research	To understand the importance of research in social science.
	To develop the ability to evaluate the methodological validity of the claims made by theory.
	To enable students to evaluate a piece of research and move towards designing a simple research project
	To identify ethical and practical issues in research.
	To understand research methods are universal in nature.
Development Administration (23UPUBC51)	To describe the basic concepts of management and understand how an organization functions.
	To discuss the scope and types of planning along with decision making techniques and process
	To develop insights on various functions of organizing, managing change and Innovation
	To analyse the concepts of coordination and controlling techniques
	To synthesize a better understanding on business ethics and



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	social responsibility.
International Organizations(23UPUBC52)	To trace the evolution of international organizations
	To examine the brief history of League of Nations
	To illustrate the formation of UN Charter
	To analyze the personnel administration of United Nations
	To evaluate the nature of special agencies in UN
Administrative Behaviour (23UPUBC53)	To be familiar with the meaning and nature of administrative behaviour
	To describe the various concepts in administrative behaviour
	To Illustrate the idea of rationality in administrative behaviour
	To analyse the role of authority and communication
	To validate the significance of choice and behaviour in administration
Social Welfare Administration in Tamil Nadu	To describe the meaning and nature of social welfare and social justice
	To examine the various institutions for social welfare administration
	To know the dynamics of social welfare administration in Tamil Nadu
	To compare and contrast the issues and legislations for women
	To synthesize the issues and legislations relating to children
Globalization (23UPUBE56)	To describe the concepts and perspectives of globalization
	To analyze the contemporary global and ecological issues
	To examine the various approaches to understanding globalization
	To assess the alternative perspectives on globalization
	To synthesize globalization and politics in developing countries
New World Order (23UPUBC61)	To be familiar with the Various approaches to the study of international relations.
	To appreciate the counter trends of globalization
	To acquire knowledge about the developments taking place in the International economic system
	To develop necessary competence to analyse the responses of the developing and developed societies.
	To create awareness about the role of international organisations in International Politics.
Politics and Social Justice (23UPUBC62)	To clearly examine the history and evolution of social justice
	To appreciate the principles of social justice
	To acquire knowledge about the developments in social class system
	To gain necessary competence to analyse the government policies



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To create awareness about the welfare schemes for vulnerable sections
Government and Administration in Tamil Nadu(23UPUBC63)	To introduce the student about the evolution, government, and administration in Tamil Nadu
	To enable the students to understand the various social movements which shaped the Tamil Nadu administration
	To explain the State Administration: Secretariat, Chief Secretary, Chief Minister's Special Cell
	To analyse the activities of State Finance Commission, State Planning Commission, Development Authority (CMDA)
	To examine the process of State Recruiting Agencies: Tamil Nadu Public Service Commission and Teachers Recruitment Board
Demography and Development (23UPUBE64)	To judge the relationship between population and development.
	To examine the idea of over-population state the concept of demographic transition.
	To comprehend the demographic characteristics of developing countries
	To explain the nature of population problem faced by developing countries.
	To suggest proper policy measures to be followed by developing countries.
Civil Service in India(23UPUBE65)	To appreciate the real power and responsibility of the Civil Servants.
	To evaluate the policies for the welfare of society and enhancement of nation
	To substantiate how civil servants exhibit professionalism
	To acknowledge how civil services at various levels coordinate and bring about development
	To a critical view of the Civil services and the challenges they face
Media Management(23upubf66)	To apply the means of professional and management roles in the media industry.
	To work in a variety of professions, including advertising, non-profit management, and media research, as well as media advocacy and education.
	To be familiar with the options to work in radio, print journalism, publishing, public relations, research, advertising, and television.
	To gain a perspective on the evolution of media in the last decade and on key current trends.
PG	



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

PRINCIPLES OF PUBLIC ADMINISTRATION	To Recognize administration the concepts related to principles of
	To analyse the effective application of principles and approaches to diagnose and solve organizational problems and develop optimal managerial decisions.
	To be familiar with the dynamics management and administration of organization
	To exhibit the new horizons of Public Administration
	To gauge the gap between theory and practice in Public Administration
ADMINISTRATIVE THOUGHT	To review the various administrative theories and concepts
	To compare and contrast the contributions by Indian and Classical thinkers
	To develop an understanding of the contributions of human relations and behavioural thinkers
	To comprehend the contributions of theorists over a period of time
	To establish the application of theories to understand real life situations
ESSENTIALS OF CONSTITUTION OF INDIA	Enumerate the origin, and evolution of the Indian constitution.
	Interpret the manner in which government functions through its various organs.
	Measure and justify division of power between various organs of the government at different levels.
	Develop an understanding on the Constitutional and non-constitutional bodies.
	Compare and contrast the working of the administrative machineries at the Union and the State level.
	Understand the division of powers in Indian federal set-up and its asymmetrical federal arrangements
Dynamics of Development	To identify and recognise the basics of development, its approaches and the need for sustainable development
	To acquire conceptual and theoretical understanding of development process including the ecological and post-globalization contexts
	To understand the need for Development, Sustainable Development Goals and Development Indicators
	To know about the significance of dynamics of development and learn that development is a dynamic concept.
	To familiar with the main actors who play important roles in the developmental process



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

TAMIL NADU GOVERNMENT AND ADMINISTRATION	To identify and recognise the basics of development, its approaches and the need for sustainable development
	To acquire conceptual and theoretical understanding of development process including the ecological and post-globalization contexts
	To understand the need for Development, Sustainable Development Goals and Development Indicators
	To know about the significance of dynamics of development and learn that development is a dynamic concept.
	To familiar with the main actors who play important roles in the developmental process
SOCIAL ENTREPRENEURSHIP	To learn how to address social problems and transform society
	To learn to apply social entrepreneurship skills to address social problems
	To apply the theoretical and experiential understanding of concepts, strategies and tools of social entrepreneurship
	To create new patterns and possibilities for employment generation through social entrepreneurship.
	To assess the strengths and limitations of social entrepreneurship in addressing social problems
23PPUBE15-2: POLICE ADMINISTRATION	Acquire knowledge on Evolution of Police Administration.
	Find out the significance of Special Police Structure
	To find out Compensation Welfare-Police Association-Police Reforms
	Acquire knowledge on Mass Media-Community Policing
	Acquire knowledge on Economic crimes.
INDIAN GOVERNMENT AND ADMINISTRATION	To appreciate the features of administrative system of India.
	To appreciate the role of the bureaucrats, their functions and responsibilities in the Indian administrative system.
	To gain knowledge on the significance of civil service, the constitutional provisions, recruitment, and training methods.
	To examine the special role of Police and Defence services in Indian government
	To have conceptual clarity of approaches & dimensions of government and administration in India
23PPUBC22: PUBLIC POLICY IN INDIA	To use proven methods and frameworks to analyze key policies
	To identify and explain the key determinants of policy making
	To evaluate the potential outcomes and effects of public policies
	To understand and apply various approaches to policy-making
	To critically analyze the existing policies in India



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

PUBLIC FINANCIAL ADMINISTRATION	To gain knowledge of Monetary and Fiscal Policies and the concepts of Balance of Payments and basket of currencies
	To analyze the budgetary process and the role of the Ministry of Finance.
	To critically examine the implementation of different types of budgeting systems practiced globally
	To gain clarity on taxation machinery and the GST process.
	To assess the importance of Administrative, Parliamentary and Audit control over Public Expenditure.
23PPUBE24-1: DISASTER MANAGEMENT	To build capacities for investigating the out break of disease epidemics during and after disaster and to prevent environmental health problems.
	To enhance the knowledge and abilities in risk reduction strategies to prevent major casualties during disaster.
	To analyze the relationship between Development and Disasters.
	To prioritize Rescue and Relief operational mechanism.
	To create opportunities to build skills to respond to disasters.
LOCAL GOVERNMENT AND ADMINISTRATION IN INDIA	Understanding the basic concept of local self government and importance of the committees on Balwanroy and Ashok Mehta and effectiveness on 73rd and 74th Amendment Acts.
	Examine the effect of structure and functions of rural local government and influence of the personnel, financial, and control supervision of rural local bodies.
	Evaluate the service of structure and functions of urban government and utility of control and supervision of urban local bodies.
	Assess the assistance and aid of the rural and urban development programs and impact on the employment and poverty alleviatory programmes
	Describe the role of district collector in development administration and DRDA the service.
23PPUBE25-1: ADMINISTRATIVE BEHAVIOUR	To obtain knowledge about theoretical contribution of prominent thinkers in the field of management and administration
	To develop their innate professional qualities by understanding the key elements of administrative behavior.
	To evaluate the ideas on many administrative behavioral theorists
	To discuss the impact of motivational theories of Abraham Maslow and Frederick Herzbergon Organizational Processes today



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To review the views on leadership traits in leaders in bureaucratic administration
23PPUBE25-2: DEVELOPMENT ADMINISTRATION	Explain the meaning, nature and scope of development administration.
	Describe the concept of bureaucracy and development administration
	Discuss the functions of PRIs and development
	Assess the assistance and aid of the rural and urban development programs and impact on the employment and poverty alleviatory programmes
	Describe the role of district in development administration and DRDA the service.
23PPUBS26: Public Opinion and Survey Research	To substantiate the importance of public opinion in a democracy
	To learn about the methods used for conducting surveys and interpreting survey data
	To acquire basic skill sets related to understanding public opinion formation and conducting research through the use of sample date, framing a questionnaire, etc.
	To explore the central theories and selected key themes in the fields of public opinion
	To introduce students to the practice of survey research
: TECHNOLOGY AND PUBLIC ADMINISTRATION	To promote student commitment to use of ICT in government policies
	To gauge the nuances of modern technology and its significance in administration
	To evaluate how technology can enhance the democratic process of decision making
	To develop practical understanding on how application of technology ensures accountability in public service
	To analyse the process of networking amongst various levels of government organisations
23PPUBC32: Administrative Law	To recall the meaning of administrative and constitutional law
	To compare and contrast the concepts of delegated legislation and subordinate legislation
	To illustrate the principles of natural justice and analyse the Various administrative authorities
	To examine the various constitutional and non-constitutional bodies in administrative law
	To construct the importance of PIL, its jurisdiction and remedies available in administrative law of India



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23PPUBC33: LOCAL GOVERNANCE IN INDIA	To analyze the concepts and dimensions of local governance in India
	To review and observe the history and growth of local administration from Ancient to the present
	To describe the administrative and political framework of Rural and Urban local institutions
	To evaluate the relationship of local governance and developmental process
	To appreciate the status of stake holders participation in the decision making process
23PPUBC34: SOCIAL AUDITING IN INDIA	To appreciate the role and significance of Social Audit in the current scenario.
	To describe the effects of social audit in democratic governance.
	To analyse various Policy decisions keeping in view stakeholders needs.
	To illustrate the extent of efficacy and effectiveness of Social Welfare Programmes for citizens.
	To compare and contrast the Mechanism of Accountability and Transparency and to Strengthen democratic Governance.
	To compare and contrast the Mechanism of Accountability and Transparency and to Strengthen democratic Governance.
23PPUBE35-1: SUPPLY CHAIN MANAGEMENT	To develop a sound understanding of the important role of supply chain management in today's business environment
	To apply knowledge to evaluate and manage an effective supply chain
	To understand the foundational role of logistics as it relates to transportation and warehousing
	To analyze and improve supply chain processes
	To align the management of a supply chain with corporate goals and strategies
23PPUBE35-2: PROFESSIONAL COMMUNICATION SKILLS	To recognize the effects of diversity, access, and power on communication
	To interpret various communication theories
	To illustrate the effects of diversity, access, and power on communication
	To enhance the ability to define the communication process with respect to Public relations
	To evaluate communications skills that are vital in public service management
23PPUBS36: PERFORMANCE MANAGEMENT	To examine various stages of Performance Management System.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To evaluate how various elements help in shaping effective Performance Management System.
	To illustrate how to transform the raw potential of human resources into performance.
	To categorize the types of performance management systems
	To synthesize the empowerment to develop belongingness towards the organisation.
COMPARATIVE PUBLIC ADMINISTRATION	To recognize the significance of Comparative Public Administration
	To differentiate the various conceptual approaches in comparative public administration.
	To recognize the Political and Administrative Systems in the developed countries.
	To compare and appraise the administrative Systems which prevail in the various parts of the world namely U.S.A., U.K., France.
	To know about the nature and scope of comparative studies.
RESEARCH METHODS IN PUBLIC ADMINISTRATION	To demonstrate a theoretical and practical understanding of the types and basic differences among descriptive, quasi-experimental, and experimental research methods and designs.
	To practice qualitative and quantitative research data collection techniques, including observation, interviews, and document analysis, etc.
	To articulate the epistemological assumptions underlying Qualitative and quantitative research methods, including the competing paradigms in research.
	To develop the proficiency in using SPSS.
	To evaluate the appropriateness and quality of questionnaires, interviews, and other data collection methods.
CONTEMPORARY WORLD POLITICS	To analyze and explain contemporary international phenomena.
	To recognize and interpret key aspects of governmental institutions and processes.
	To identify important historical continuities and changes in international relations.
	To analyze, evaluate, and discuss different international, European and domestic legal frameworks.
	To engage in negotiations in an international context.
POLITICAL ECONOMY OF INDIA	To recognize out with India's economic evolution from the prism of state and market interaction since independence



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To formulate and communicate rigorous arguments, so that students
	Can develop a strong sense of potential for further research on India's development from political economy perspective
	To develop analytical skills of measuring the political dimensions of economic output and policy.
	To evaluate the relevance of different stakeholders in formulating political economy of any country.
	To appraise the historical trajectories and contemporary challenges in the way towards a global political economic framework.
23PPUBS45: COLLABORATIVE GOVERNANCE	To demonstrate the Importance of Collaboration for Good Governance.
	To evaluate the various Theories and Practices.
	To examine the nuances of Conflict Analysis and Assessment.
	To compare and contrast the link between Collaborative, Policy Networks and New Political Economy.
	To critically evaluate the policymaking mechanism to enhance government performance.

PSYCHOLOGY	
SUBJECT	COURSE OUTCOMES
General Psychology - I	• CO1 (K1) Acquire knowledge on the history, methods and special areas in the field of Psychology
	• CO2 (K3) Explain sensory systems through which information processing happens
	• CO3 (K4) Relate the process of attention to perception and infer how we make sense of the world around us
	• CO4 (K5) Critically examine the process of learning
	• CO5 (K1, K4) Gain insight into complex emotional experiences of human being and analyse the experience of self in day to day life.
Biological Psychology	• CO1 (K2) Describe recent research methods and perspectives on the emerging field of Behavioural neuroscience and the reciprocal relationship between brain and behaviour.
	• CO2 (K2) Understand anatomy and functions of the basic cell of the nervous system and explain the process of communication



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	between neurons
	• CO3 (K4) To understand and analyse the regulations of internal body states.
	• CO4 (K1, K4) To understand the function of endocrine glands and relate the knowledge to analyse various human behaviour.
	• CO5 (K2) Describe the complex orchestrated functioning of the nervous system describe the manifestation of biological deficits in behaviour.
Building Psychological Capital	• CO1 (K4) – To analyse the positive and negative approach and its effect on work determinants like, job motivation, satisfaction and performance.
	• CO2 (K2) – To understand the role of self-efficacy and ways to improve it.
	• CO3 (K2) – To distinguish the various conditions that implicate in developing hope and hopelessness and analyse ways to inculcate hope and build mental well-being.
	• CO4 (K2) – To distinguish the ways to build optimism and locus of control for better performance.
	CO5 (K3, K4) – To analyse and apply 7C's Model of Resilience
Careers and Ethics in Psychology	• Identify ethical standards used in psychology.
	• Recognize that ethically complex situations can develop in the application of psychological principles.
	• Follow the APA Ethics Code in the treatment of human and nonhuman participants in the design, data collection, interpretation, and reporting of psychological research.
	• Recognize the necessity of ethical behaviour in all aspects of the science and practice of psychology.
	• Demonstrate knowledge and understanding representing appropriate breadth and depth in selected content areas of psychology including relevant ethical issues, including a general understanding of the APA Ethics Code.
General Psychology II	• CO1 (K2, K4) To Understand the different types of cognition and thinking processes and to analyse the steps in problem solving and decision making.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<ul style="list-style-type: none">● CO2 (K4) To summarize and compare the various functions and memory processes involved in memory and forgetting.● CO3(K1) To outline the various theories of motivation and to understand the implications of it.● CO4(K3) To explain the theories of intelligence and the ways to assess intelligence.● CO5 (K3) To explore the various theories of Personality and examine the uses of personality assessments.
Psychology of Childhood	<ul style="list-style-type: none">● CO1(K2) – To explicate the developmental stage of conception through birth.● CO2 (K1, K2)– To elucidate the developmental tasks of early childhood.● CO3 (K2)– To describe the various emotions and socialization patterns of early childhood.● CO4 (K4) – To distinguish the hazards and happiness of late childhood● CO5 (K4)– To critically analyze the cognitive and personality development in childhood.
Cross Cultural Psychology	<ul style="list-style-type: none">● CO1 (K2) - To describe and discuss the various theoretical orientations/paradigms that describe cultural differences● CO2 (K4) - To analyse and discuss the ways in which different cultures influence our socialisation and enculturation process.● CO3 (K6) - To discuss and evaluate the impact of culture on human development concepts like temperament, attachment styles and morality.● CO4 (K2, K4)- To understand the interaction of language, culture and communication and analyse methods to improve intercultural communication.● CO5 (K3) - to examine the role of culture in the understanding gender roles, stereotypes and ideology development.
PERSONALITY AND LIFE SKILL DEVELOPMENT	<ul style="list-style-type: none">· The students will develop confidence by mastering the seven steps to positive thinking and be successful by turning weaknesses into strengths.· The students will be able to build trust by developing mutual respect with people around them.· The students will be able to set the appropriate goals for their life.
COMMUNICATION	<ul style="list-style-type: none">· The students will develop knowledge on concept of communication and its different facets in different contexts.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<ul style="list-style-type: none">The students will be able to use of non-verbal cues in communication.
	The students will apply their effective communication skills in workplace
Psychology of Adolescence and Early Adulthood	<ul style="list-style-type: none">CO1 (K6) - To describe and discuss the various physical changes and emotionality during adolescence.CO2 (K5)- To analyse and understand the changes in morality, sex interest and family relationships in adolescence.CO3 (K4)- To discuss and evaluate the personal and social hazards of early adulthood.CO4 (K3)- To identify and critically analyse the vocational and marital adjustments made by early adults.CO5 (K2)– To understand the cognitive and personality development.
Social Psychology I	<p>CO1 (K1) - To Outline the nature, history, principles and scope of social psychology and methods used in social psychology research</p> <p>CO2 (K2) – To understand social cognition and its potential sources of error</p> <p>CO3 (K3) – To describe the strategies used to form and maintain positive impression.</p> <p>CO4 (K3) – To elucidate the ways to resist persuasion</p> <p>CO5 (K4) – To analyze the causes of marital happiness and relationship failure.</p>
Statistics for Behavioural Science	<ul style="list-style-type: none">CO1 (K2) To understand and define statistics as a specialization to be used for behavioral research and explain the difference between descriptive and inferential statistics.CO2 (K3) To recognize measurements as being one of the four scales and to understand that not all numbers can be treated alike and to understand measure of central tendency and to calculate it.CO3 (K3) To organize scores into a frequency distribution in table form, construct a cumulative frequency distribution and a relative cumulative frequency distribution and to compute percentiles and percentile ranks.CO4 (K4) To analyze and interpret raw data using various parametric and non-parametric methodsCO5 (K5) To compile data using various software analysis.
BEHAVIOUR MODIFICATION	<ul style="list-style-type: none">The students will develop confidence by mastering the concepts of behaviour modification and related assessments



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<ul style="list-style-type: none">· The students will be able to build knowledge on theories and principles of behaviour modification and techniques.· The student will be able to apply the principles of techniques in real-life conditions.
Psychology Of Middle Age And Old Age	CO1(K2): To describe and discuss the various developmental tasks of middle age.
	• CO2(K2,K4): To analyses and understand the vocational and family adjustments made by middle aged people.
	• CO3(K5): To discuss and evaluate the personal and social hazards of old age.
	• CO4(K4): To identify the changes to be made in the living arrangements of elderly
	• CO5(K2): To understand memory decline in old age.
Social Psychology II	● CO1(K1) : To relate to the nature and causes of social influence.
	● CO2 (K2) :To observe the internal and external influences on helping behaviour.
	● CO3 (K3) : To employ the strategies that can be used to prevent or control human aggression.
	● CO4 (K4) : To appraise group dynamics.
	● CO5 (K4) :Toanalyze the role of social psychology in various settings like legal system , health and work.
Introduction to Research Methodology	● CO1: (K2) Understand the ethics and various data collection methods to conduct research.
	● CO2: (K2) Demonstrate the ability to identify independent, dependent and mediating variables and to establish reliability and validity
	● CO3: (K3) Formulate hypothesis and research objectives and distinguish various sling techniques
	● CO4: (K4) Determine appropriate research design.
	● CO5: (K6) Ability to write research report as per APA protocol
EFFECTIVE DECISION-MAKING SKILLS	· The students will develop confidence by mastering in decision-making and its strategies
	· The students will be able to build career decision-making skills.
	· The students will be able to understand the significance of interpersonal decision-making.
	· The students will be able to take appropriate decisions in workplace settings.
Psychopathology I	● CO1(K2) - To distinguish between normal & abnormal behavior and outline the historic view of abnormal psychology.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<ul style="list-style-type: none">● CO2 (K2) – To understand the classification and diagnosis of abnormal behaviour.● CO3 (K1)–To outline the common intellectual disability syndromes.● CO4 (K4) – To elucidate various somatoform and Dissociative disorders● CO5 (K5)– To analyze the causes and treatment of addiction.
Cognitive Psychology	<ul style="list-style-type: none">· CO1 (K1) Recognize the applications of cognitive processes in various areas of human Development.· CO2 (K2) Distinguish the different discords of language and comprehend the stages of human language development and also identify different perspectives of patternrecognition.· CO3 (K2) Explain the process of attention and identify various perceptual disorders.· CO4 (K4) Recognize and examine the process of remembering and forgetting.· CO5 (K5) Examine the different types of reasoning and demonstrate various problem Solving strategies.
Assessments in Psychology	<ul style="list-style-type: none">● CO1(K6)-Experiment and Assess human attributes such as perception, attention, personality, intelligence, thought and attitudes through standardized tests.● CO2 (K2)- Demonstrate skills in administering and scoring assessment measures.● CO3 (K5)-Demonstrate competence in drawing inferences from the results without bias.● CO4 (K6)-Demonstrate competence in writing a standard report.● CO5 (K5)- Make observation, interpret and use the data obtained from measurement to analyse individual differences in human capacities
Organizational Psychology	<ul style="list-style-type: none">● CO1 (K2)– To review various I/O Psychological theories/paradigms.● CO2 (K3) –To discuss how Psychological theories/paradigms may be applied to Understanding human behaviors at work.● CO3 (K5)- To perform job analysis using various concepts of I/O Psychology.● CO4 (K6)– To design and evaluating training programs.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

Counselling Psychology	● CO5 (K3)- To practice resourceful leadership .
	· CO1 (K3) – To identify the need and importance of counselling in the current context.
	· CO2 (K2) – To explain the various approaches in counselling and the types, uses & diagnosis in counselling process.
	· CO3 (K2) – To summarize the interpretation of psychological tests in counselling.
	· CO4 (K2) – To articulate the qualities of an effective counsellor.
Psychopathology II	● CO1 (K2): To be able to understand schizophrenic behaviour.
	● CO2 (K2): To explain the causes of unipolar and bipolar disorder and treatment
	● CO3 (K2): To detail the symptoms, causes and treatment of anxiety disorders.
	● CO4 (K2): To summarize types, causes and treatment of Personality disorder
	● CO5 (K2) : To understand the contemporary interventions used to treat Attention Deficit Hyperactive Disorder and Learning Disorders.
educational psychology	● CO1 (K1,K2): Understanding the meaning and processes of education at individual and social plains in the Indian context.
	● CO2 (K2): Demonstrating an appreciation of various theoretical perspectives on cognition and learning in educational contexts.
	● CO3 (K3): Developing insights into the facilitators of learning such as intelligence, emotion, imagination, creativity and self-processes.
	● CO4 (K3,K4): Understand and apply the social processes within the classroom and broader societal contexts that shape student's learning outcomes.
	● CO5 (K4): Application of psychological principles to facilitate constructive educational environment.
Health Psychology	● CO1 (K1): To Outline the definition and scope of Health Psychology
	● CO2 (K2): To explain the various models of health behaviour
	● CO3 (K3): To identify types of pain, symptoms and suitable intervention
	● CO4 (K2,K3): To summarize theories of stress, sources of stress and coping



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

Sports And Exercise Psychology	<ul style="list-style-type: none">● CO5 (K4,K5): To explain health promoting strategies
	<ul style="list-style-type: none">● CO1 (K1,K2): Familiarizing with the evolving field of sports and exercise psychology as a Profession and having knowledge about its specialties particularly clinical-sport Psychology and educational psychology
	<ul style="list-style-type: none">● CO2 (K2, K3): Comprehending the links between theory and practice in sports and exercise Psychology; understanding the current shifts from traditional paradigms and
	Appreciating the role of practical theory to guide professional practice so that Real life issues may be addressed
	<ul style="list-style-type: none">● CO3 (K3): Developing a critical understanding of general personality approaches as well as the sport specific personality approaches.
	<ul style="list-style-type: none">● CO4 (K3,K5): Being able to develop a psychological profile for a sportsperson/team to help Assess the psychological skills that can improve self-awareness, goal setting and Communication with the coach.
	<ul style="list-style-type: none">● CO5 (K2): Understanding the motivational processes for sport and exercise participation especially in the context of achievement motivation and ways of enhancing it.
Environmental Psychology	<ul style="list-style-type: none">● CO1 (K1,K2): Demonstrate knowledge in different psychological approaches to the study of man-environment relationship.
	<ul style="list-style-type: none">● CO2 (K2): Understand the behaviour of humans in the face of environmental risk.
	<ul style="list-style-type: none">● CO3 (K2): Understand the mutual interaction of environment and behavior.
	<ul style="list-style-type: none">● CO4 (K2): Acquire knowledge on the influence of human behaviour in environmental crisis.
	<ul style="list-style-type: none">● CO5 (K2,K3): Appreciate and apply pro-environmental behaviour.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

SOCIAL WORK	
SUBJECT	COURSE OUTCOMES
SOCIAL WORK PROFESSION	CO1: To aware an in-depth knowledge on the basic concepts of Social Work.
	CO2: To understand the historical background of Social Work in west and India.
	CO3: To articulate the student to be familiar with Philosophies, Ethics and Values of Social
	CO4 : To analyse the significance of Models in Social Work.
	CO5 : To evaluate implication of Social Work Education and Field Work..
	CO 6 : To develop the Social Workers to apply the methods and techniques of Social Work
SOCIAL CASE WORK	CO1: To get knowledge about the different problems faced by the Individuals
	CO2: To enhance knowledge on social case work skills in social case work practice.
	CO3: To understand the process of casework intervention with client.
	CO4: To enhance the ability towards problem solving process.
	CO5: To create the ability to critically analyze problem of individuals them. and factors affecting
	CO6: To develop the competencies and skills for Practice with different settings
SOCIAL GROUP WORK	CO1: To be aware about the concept, characteristics, values and principles of Social Group Work
	CO2: To apply suitable theories and models to resolve the problems of Groups.
	CO3: To Critically choose and implement interventions to achieve social group work goals.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO4: To analyse competencies and skills for working with different groups in various practice settings.
	CO5: To analyse and implement empirically-based group interventions
	CO6: To demonstrate the process of group experience and professional development
CONCURRENT FIELD WORK - I	On the successful completion of the course, student will be able:
	CO1 : To integrate the classroom learning with field practice - the knowledge related to
	CO2 : To understand the application of different skills related to case work, Group work
	CO3: To realise one's development of self and conduct oneself professionally in the field
	CO4: To apply and practice skills acquired in the process of learning in handling various
	CO5: To assess the concept of field learning and learn about working in different settings
	CO6: To apply social work competencies to resolve Social problems
SOCIOLOGICAL AND PSYCHOLOGICAL FOUNDATIONS FOR SOCIAL WORK	CO1: To get an indepth knowledge on the basic concepts of Psychology.
	CO2: To understand the basic principles of Human growth and Development
	CO3: To develop understanding on the basic concepts of society and social change
	CO4: To analyse the basics of Social Interaction and Social processes
	CO5: To analyse the social Institutions and critically evaluate modern trends in social
	CO6: To understand major social problems in India
SOCIETY AND HUMAN BEHAVIOUR	CO1 : . To be aware of the concepts related to Sociology and Social Work
	CO2 : To understand various patterns of Social Interaction, social processes and its dimensions
	CO3: To understand the basic concepts in Psychology and Human Behaviour
	CO4: To Understand Social Stratification and the impact of changing Societies
	CO5: To understand various social issues and existing agencies of Social control.
	CO6: To apply social work competencies to resolve Social problems



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

COMMUNITY ORGANIZATION AND SOCIAL ACTION	CO1 : To be aware of the concepts related to Community Organization
	CO2 : To apply community Organization as a method of Social work in various settings.
	CO3: To understand and apply various Models of Community Organization
	CO4: To understand the role of social work in Social Action and Social Reform for Social
	CO5: To critically analyse Social Movements from various dimensions .
	CO6: To apply Social Action as a method of Social Work
SOCIAL WORK RESEARCH AND STATISTICS	CO1: To aware an in-depth knowledge on Social Work Research.
	CO2: To understand the clarity on the research methods and processes.
	CO3: To articulate the student to Identify and Formulate the Research problem and Literature
	CO4: To analyze and apply Statistics applications and Software packages, make data entry
	CO5: To evaluate implications of Research in various settings of Social Work.
	CO 6: To develop the Research Projects in Social Work.
SOCIAL WELFARE ADMINISTRATION, SOCIAL POLICIES AND SOCIAL LEGISLATIONS	CO1 : Acquire knowledge about social welfare administration and structure of social welfare
	CO2 : Acquire application knowledge of the basic process of registering, managing and
	CO3: Describe the structure of social welfare administration in India and social welfare
	CO4: Describe the understanding of the nature of social policy, planning and development
	CO5: Critical analysis social legislation enforcement and challenges
	CO6 : To enhance the knowledge on the government department and NGOs function for
CONCURRENT FIELD WORK - II	CO1 : To integrate the classroom learning with field practice - the knowledge related to
	CO2 : To understand the nature of the NGO'S functioning and funding resources
	CO3: To apply, evaluate and follow up appropriate methods of Social Work in the field



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO4: To apply and practice skills acquired in the process of dealing with clients and
	CO5: To assess the concept of field learning and learn about working in different settings
	CO6: To learn the process of documentation and recording
ENTREPRENEURSHIP DEVELOPMENT	CO1: To be aware about the concept, Entrepreneur and Entrepreneurship development in India
	CO2: To bring a change in the society by applying entrepreneurial tool.
	CO3: To relate to theories of entrepreneurship development.
	CO4 : To apply the competencies and skills of an entrepreneur in the field.
	CO5: To demonstrate the use of different schemes and policies related to entrepreneurship
	CO6 : To create an enterprise to solve a social problem
GREEN SOCIAL WORK	CO1: To be aware of the concepts of Ecology, Environment and Green Social Work
	CO2: To understand the causes of environmental issues and its adverse effects.
	CO3: To apply the appropriate measures to control and reduce the issues.
	CO4: To analyze the Environmental management systems and justice.
	CO5: To implement the roles and responsibilities to preserve and protect our environment
	CO6: To deal with environmental issues and apply suitable interventions
LIFE SKILLS FOR SOCIAL WORK	CO1: To understand their strengths and weaknesses.
	CO2: to be a socially competent person.
	CO3: To apply life skills to handle situation effectively
	CO4: To set Goals and achieve them successfully
	CO5: To accomplish Self Competency and Confidence
	CO6: To identify, analyse and health the situations using core life skills
HUMAN RESOURCE MANAGEMENT (HRM)	CO1 : To aware an in-depth knowledge on the process of Human Resource Management.
	CO2 : To understand the suitable interventions on Human Resource Management practice.
	CO3: To articulate the budding HR Professionals to meet the challenges in the Industries in the modern era.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO4: To analyse the appropriate methods for the human capital development and retention of employees.
	CO5: To evaluate the recent trends and advances in Human Resource Management.
	CO6 : To adapt the future perspectives of Human Resource Management in Global business world
MEDICAL SOCIAL WORK (M&P)	CO1: To be aware about the concept, history, scope and trends in Medical Social Work.
	CO2: To Identify, analyse, and implement evidence-based interventions for patients and care givers.
	CO3: To Critically choose and implement health care models in the practice setting to achieve the goals of medical social work
	CO4: To analyse competencies and skills required for medical social worker in different setting.
	CO5: To create and implement empirically-based interventions in a multidisciplinary setting.
	CO6: To demonstrate ethical values and able to articulate patients' rights in health care setting
RURAL COMMUNITY DEVELOPMENT(CD)	CO1 : Define the rural areas, rural economy and development and issues or Rural Development in general and address them through various development strategies.
	CO2 : Acquaint the knowledge on social political structure, economic structure, economic
	CO3: Explain the rural local self-governance namely Panchayat Raj Institutions and its role in planning and development of rural areas
	CO4: Elucidate the role of government, non-government and role of social workers in rural development.
	CO5: To understand the suitable intervention for rural development.
	CO6 : To apply the various application of social work methods in solving the rural problems.
LABOUR LEGISLATIONS (HRM)	CO1: To identify the significance of labour legislations in human resource management
	CO2: To apply the knowledge of labour legislations to regulate the working conditions in the industrial sector
	CO3: To apply the knowledge and skills of implementing the wage legislations



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO4: To implement the knowledge of social security legislations
	CO5: To analyse and apply the legislations pertaining to Industrial Relations
	CO6: To evaluate the working of the legislations in the State of Tamil Nadu
MENTAL HEALTH AND PSYCHIATRIC DISORDERS (M&P)	CO1: To understand the concept of Mental Health
	CO2: To evaluate the client using psychiatric assessment tools
	CO3: To know the various mental health issues in the community
	CO4: To apply the phenomenology, symptomatology, and treatment of common mental disorders.
	CO5: To use legislation appropriate to Mental Health related issues.
	CO6: To effectively identify Mental Disorders
TRIBAL DEVELOPMENT IN INDIA (CD)	CO1 : Understanding of tribal communities and its organisation.
	CO2 : Discuss about the problems primitive communities' various problems.
	CO3 : Helps to understand the contribution of tribal activists and reformers and impact of tribal movements on tribal policy.
	CO4: It will help students to prepare with required skills as a tribal development facilitator
	CO5:To analyses the role of multimedia for the development of the people
	CO6: To adopt the future perspective of Tribal development in India
INDUSTRIAL RELATIONS AND EMPLOYEE WELFARE (HRM)	CO1 : To be aware of the concept and evolution of Industrial Relations
	CO2 : To understand the mechanisms behind IR scenario in India.
	CO3: To understand the role of various stakeholders in maintaining peaceful Industrial Relations in India .
	CO4: To analyse various statutory and Non statutory employee welfare measures .



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO5: To evaluate various approaches to Employee welfare
	CO6 : To apply social work methods in delivering Employee welfare services
PSYCHIATRIC SOCIAL WORK (M&P)	CO1:To compare international Psychiatric Social Work standards and adopt suitable standards.
	CO2: To apply methods of social work among psychiatric patients, family and people with mental illness.
	CO3: To understand Psychiatric Hospital
	CO4: To identify the role of social worker in clinical practice and help accordingly
	CO5: To demonstrate high knowledge and skill as a Psychiatric Social Worker.
	CO6: to formulate and design community mental health programs to address issues of mental health among communities
URBAN COMMUNITY DEVELOPMENT (CD)	CO1: To know various theories on urbanization, urban life, problems and development
	CO2: To enable the students to practice the values and principles of urban community development
	CO3: To learn urban local administrative structure and programmes for urban development and evaluate solutions for issues in Urban Community
	CO4: to critically analyze the growth and development of urban areas, the related problems and the challenges
	CO5: To acquire the skills to work with the urban community, and develop and implement programmes with them.
	CO6 : Enable to practice Social Work Method in Urban Community
HUMAN RESOURCE MANAGEMENT SPECIALIZATION	CO1: To integrate the classroom learning with field work practice - the knowledge related to types of employees, recruitment, selection, induction and placement, time office, bio- metric etc. in the industry
	CO2: To understand the application of the different types of labour welfare measure and the current trends in HR practices
	CO3: To demonstrate the knowledge and the skills of HRM, IR, and work as a HR professional in interdisciplinary teams



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>CO4: To apply and practice in projects of the organization on employees' motivation, employees' absenteeism, collective bargaining and the role of trade unions</p> <p>CO5: To assess the concept of industrial relations and familiarize with labour legislation towards supportive business environment</p> <p>CO6: To develop the competencies required for the practice of Human Resource Management</p>
MEDICAL AND PSYCHIATRIC SOCIAL WORK SPECIALIZATION	<p>CO 1: Understanding the different types of health issues.</p> <p>CO 2: knowing the different kinds of NGOs working for the different kinds of communities in solving the problem in the personal environment context.</p> <p>CO 3: To be able to understand the role of social worker in health setting.</p> <p>CO 4: Evaluate the role, characteristics and skills of a social work and critically evaluate the same.</p> <p>CO5: Develop theoretical expertise and knowledge in health setting.</p> <p>CO6: Understanding the role of multidisciplinary team in a hospital.</p>
COMMUNITY DEVELOPMENT SPECIALIZATION	<p>CO 1: Understanding the different types communities and their issues.</p> <p>CO 2: knowing the different kinds of NGOs working for the different kinds of communities in solving the problem in the person environment context.</p> <p>CO 3: Interrupt the theoretical knowledge with the activities of social work agencies.</p> <p>CO 4: Discuss the roles, characteristics and skills of a student trainee in field work agencies.</p> <p>CO5: Develop expertise in proposal writing, research and evaluation.</p> <p>CO6: Help the students to identify various avenues of job placement and equip themselves with the right employability competency.</p> <p>CO6: Understanding the Corporates role in the development of the communities.</p>
DISASTER MANAGEMENT	<p>CO1- Elucidate types of disasters and plan the preparedness for</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	the disaster.
	CO2 - Describe Disaster preparedness and responses various stakeholders of the community
	CO3 - Describe the NGO Registration procedure and identify how to run the NGOs effectively
	CO 4 - critically analyse Recovery, Rehabilitation and Reconstruction technique
	CO5- Apply Community Linkage in Disaster Management in safeguarding environment
	CO6- Apply Professional social worker skills Disaster Management in safeguarding environment
CORPORATE SOCIAL RESPONSIBILITY	CO1 :To learn the concept and Model of Corporate Social Responsibility
	CO2 :To understand steps and strategies in attaining CSR.
	CO3: To examine the various norms and Standards on CSR(National and International).
	CO4 :To appraise the various CSR Programmes in an Organization
	CO5:To Reflect on various Ethical standards on consumer, Environmental and Social aspects of CSR.
	CO6 :To Facilitate in the process of Community Participation and Community Need Analysis.
COMPUTER APPLICATION IN SOCIAL WORK	CO1: The students will be able to understand the fundamentals of computing and word processing.
	CO2: The students will be able to understand the fundamentals word processing
	CO3: The students will be able to gain knowledge in using SPSS in social work researches



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO4: The students will be able to familiarize in using SPSS in social work researches
	CO5: The students will be able to gain knowledge and familiarity in using SPSS in social work researches.
	CO 6: To strength their general knowledge in Computer and relevant knowledge for Data Analysis.
SUMMER INTERNSHIP	CO1: To acquire professional Social work skills in their respective social work setting.
	CO2: To analyse the need and importance the role of Social Workers in professional practice.
	CO3: To practice and demonstrate the Social Work methods in their respective settings.
	CO4 : To associate and integrate the Social Work theory in to practice in their field work organization.
	CO5 : To understand the application of Social Work approaches to handle the challenges in the field.
	CO 6 : To utilise the professional knowledge and skills in their respective field.
ORGANISATIONAL BEHAVIOUR(HRM)	CO1 : To be aware of the relation between various disciplines and Organizational Behaviour
	CO2 : To be aware of the concept of Individual and group behaviour in Organizations
	CO3: To apply suitable theories and models of Motivation to enhance the work motivation of People in Organizations
	CO4: To analyse the competencies and skills required for overcoming resistance to change in Organizations
	CO5: To identify the skills required for Interventions in Organizational Development
	CO6: To understand latest trends in Organizational Development
CLINICAL SOCIAL WORK (M&P)	CO1: To be aware about the concept, history, scope and trends in



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	clinical Social Work.
	CO2: To articulate skills to conceptualize, undertake evidence-based practice in different clinical settings.
	CO3: To Critically analyse the problematic situations and to find workable means to resolve them
	CO4: To analyse competencies and skills required for clinical social worker in different setting.
	CO5: To create and implement empirically-based interventions in a multidisciplinary setting.
	CO6: To demonstrate ethical values and clinical standards as per NASW in all clinical settings
NGO MANAGEMENT	CO1 : Classify the fundamentals of Management and distinguish between Profit and Non-Profit organisations.
	CO2 : Explain the different legislations for Non-profit organisation.
	CO3: Describe the NGO Registration procedure and identify how to run the NGOs effectively.
	CO4: Prepare the fund raising techniques and develop proposal writing skills.
	CO5: Critically analyse and understand the key issues and challenges facing NGOs.
	CO6 : Apply a variety of tools to the development of NGO structure, personnel management, and other key areas in NGO management.
STRATEGIC HUMAN RESOURCE MANAGEMENT (HRM)	CO1: To understand Globalization and Global Impact on Indian Economy across Sectors
	CO2: To describe the features of the International Business Environment
	CO3: To apply the Models of International Human Resource Management
	CO4: To analyse the strategies required for the Human Resource Management
	CO5: To evaluate various strategic management tools in industries to gain a competitive advantage
	CO6: To implement strategic practices in Human Resource Management
THERAPEUTIC INTERVENTION IN SOCIAL WORK	CO1: To gain knowledge on the concept of Therapeutic Intervention in Social Work.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO2: To Identify the role of social workers in clinical practice and help accordingly.
	CO3: To apply the therapeutic approach during intervention.
	CO4: To Integrate indigenous and holistic therapeutic practices
	CO5: To adapt to current trends in healing
	CO6: To plan the Psychosocial interventions
SOCIAL WORK PRACTICE IN PROJECT MANAGEMENT (CD)	CO1: To understanding of Project proposal writing and its process of implementation.
	CO2: To acquire project proposal writing skills to work effectively implement various programmes to community.
	CO3 : To develop the ability to understand Project and its implications.
	CO4: To have an appropriate knowledge towards effective Donor Management and NGO Management.
	CO5: To strengthen the monitoring and evaluation skills.
	CO6 : To demonstrate the skills for the management of Project
PROJECT WITH VIVA VOCE - RESEARCH PROJECT	CO1: To students will be able to conceptualize, formulate and conduct research project.
	CO2: To enable to see the linkages between practice, research, theory and their roles
	CO3: To apply skills for use of library and documentation services for research.
	CO4: To acquire analytical skills within the field of Social Work research
	CO5 : To understand the application of Statistics in Social Work Research
	CO6: To enhance abilities to prepare project report.
HUMAN RESOURCE MANAGEMENT SPECIALIZATION	CO1: To demonstrate an understanding of the nature, structure and role of organisations of the service sector
	CO2: To analyse the business operations and functions of organisations of the service sector
	CO3: To Identify the strategic Human Resource functions of the service sector
	CO4: To demonstrate knowledge, skills, attitude and values required for working in service sector in the areas of personnel management, labour welfare, industrial relations



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO5: To undertake projects unique to the service sector
	CO6: To evaluate the labour legislations applicable to service sector
MEDICAL AND PSYCHIATRIC SOCIAL WORK SPECIALIZATION	CO 1: Understanding the different types of health issues.
	CO 2: knowing the different kinds of NGOs working for the different kinds of communities in solving the problem in the personal environment context.
	CO 3: To be able to understand the role of social worker in health setting.
	CO 4: Evaluate the role, characteristics and skills of a social work and critically evaluate the same.
	CO5: Develop theoretical expertise and knowledge in health setting.
	CO6: Understanding the role of multidisciplinary team in a hospital.
COMMUNITY DEVELOPMENT SPECIALIZATION	CO1: To demonstrate an understanding of the nature, structure and role of organisations.
	CO2: To analyse the CSR functions of different kind of organisations
	CO3: To Identify the strategic CSR Functions of different kinds of industries.
	CO4: To demonstrate knowledge, skills, attitude and values required for working in the CSR sector.
	CO5: To undertake projects unique to the communities.
	CO6: To evaluate the CSR regulation act applicable to the industries
COUNSELLING IN SOCIAL WORK	CO1: To demonstrate ethics in Counselling.
	CO2: To use various Counselling skills required and Counselling process.
	CO3: To design Counselling techniques based on the social background of the client.
	CO4: To use Counselling as a tool for managing changes and situations.
	CO5: To apply Counselling skills at different settings.
	CO6: To apply Counselling in emergency situations
PUBLIC HEALTH IN INDIA	CO1: To aware an in-depth knowledge of the Health in the community.
	CO2: To formulate health care programs with Human Rights perspective
	CO3: To understand the health related to vulnerable group



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalaiagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO4: To compare the administration of various health care systems in the country.
	CO5: To utilize the National Health Programmed and Health Policies while working among communities
	CO6: To plan appropriate Preventive, Primitive and Rehabilitative health care programs
EMPLOYABILITY AND COMPETITIVE EXAMINATIONS	CO1 : To Enhance the Behavioural Skills of the students.
	CO2 : To acquire Skills and knowledge for successful completion for competitive exam
	CO3: To enhance the student to improve Strategy for Competitive Exams:
	CO4: To motivate them for successful Goal setting and effective planning
	CO5: To provide an in-depth view to the students about Essential skills for success.
	CO6 : To prepare them to the world of work.

MATHS



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

SUBJECT	COURSE OUTCOMES
ALGEBRA & TRIGONOMETRY 23UMATC13	CLO 1: Classify and Solve reciprocal equations
	CLO 2: Find the sum of binomial, exponential and logarithmic series
	CLO 3: Find Eigen values, eigen vectors, verify Cayley – Hamilton theorem and diagonalize a given matrix
	CLO 4: Expand the powers and multiples of trigonometric functions in terms of sine and cosine
	CLO 5: Determine relationship between circular and hyperbolic functions and the summation of trigonometric series
DIFFERENTIAL CALCULUS 23UMATC14	CLO 1: Find the nth derivative, form equations involving derivatives and apply Leibnitz formula
	CLO 2: Find the partial derivative and total derivative coefficient
	CLO 3: Determine maxima and minima of functions of two variables and to use the Lagrange’s method of undetermined multipliers
	CLO 4: Find the envelope of a given family of curves
	CLO 5: Find the evolutes and involutes and to find the radius of curvature using polar co-ordinates
PYTHON PROGRAMMING 23UPYPE15	CLO1: Develop and execute simple Python programs
	CLO2: Write simple Python programs using conditionals and looping for solving problems
	CLO3: Decompose a Python program into functions
	CLO4: Read and write data from/to files in Python programs
	CLO5: Usage of Classes and Objects in python
BASIC MATHEMATICS - I 23UMATN16	CLO1: Understand the nature of number system
	CLO2: Compute the HCF an LCM of given numbers
	CLO3: Calculate the average of given values.
	CLO4 : Calculate Ratio and Proportion.
	CLO5: Understand the concepts of Partnership
Bridge Mathematics 23UMATF17	CLO 1: Prove the binomial theorem and apply it to find the expansions of any $(x + y)^n$ and also, solve the related problems
	CLO 2: Find the various sequences and series and solve the problems related to them. Explain the principle of counting.
	CLO 3: Find the number of permutations and combinations in different cases. Apply the principle of counting to solve the problems on permutations and combinations



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>CLO 4: Explain various trigonometric ratios and find them for different angles, including sum of the angles, multiple and submultiple angles, etc. Also, they can solve the problems using the transformations.</p>
	<p>CLO 5: Find the limit and derivative of a function at a point, the definite and indefinite integral of a function. Find the points of min/max of a function.</p>
ANALYTICAL GEOMETRY OF THREE DIMENSION 23UMATC23	<p>CLO 1: Find pole, polar for conics, diameters, conjugate diameters for ellipse and hyperbola</p>
	<p>CLO 2: Find the polar equations of straight line and circle, equations of chord, tangent and normal and to find the asymptotes of hyperbola</p>
	<p>CLO 3: Explain in detail the system of Planes</p>
	<p>CLO 4: Explain in detail the system of Straight lines</p>
	<p>CLO 5: Explain in detail the system of Spheres</p>
INTEGRAL CALCULUS 23UMATC24	<p>CLO 1: Determine the integrals of algebraic, trigonometric and logarithmic functions and to find the reduction formulae</p>
	<p>CLO 2: Evaluate double and triple integrals and problems using change of order of integration</p>
	<p>CLO 3: Solve multiple integrals and to find the areas of curved surfaces and volumes of solids of revolution</p>
	<p>CLO4: Explain beta and gamma functions and to use them in solving problems of integration</p>
	<p>CLO 5: Explain Geometric and Physical applications of integral calculus</p>
PYTHON PROGRAMMING LAB 23UPYPE15	<p>CLO1:To understand the problem solving approaches</p>
	<p>CLO2:To learn the basic programming constructs in Python</p>
	<p>CLO3:To practice various computing strategies for Python-based solutions to real world problems</p>
	<p>CLO4: To use Python data structures - lists, tuples.</p>
	<p>CLO5: To do input/output with files in Python.</p>
BASIC MATHEMATICS - II 23UMATN26	<p>CLO1: Solve problems on time and work.</p>
	<p>CLO2: Calculate time and distance for real word problems.</p>
	<p>CLO3: Compute the speed of boats and streams.</p>
	<p>CLO4: Calculate the mixing of water in milk</p>
	<p>CLO5: Solve problems on Volume and Surface area.</p>
VECTOR CALCULUS AND ITS APPLICATIONS 23UMATC33	<p>CLO 1: Find the derivative of vector and sum of vectors, product of scalar and vector point function and to Determine derivatives of scalar and vector products</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>CLO 2: Applications of the operator 'del' and to Explain soleonidal and ir-rotational vectors</p> <p>CLO 3: Solve simple line integrals</p> <p>CLO 4: Solve surface integrals and volume integrals</p> <p>CLO 5: Verify the theorems of Gauss, Stoke's and Green's(Two Dimension)</p>
DIFFERENTIAL EQUATIONS AND APPLICATIONS 23UMATC34	<p>CLO 1: Determine solutions of homogeneous equations, non-homogeneous equations of degree one in two variables, solve Bernoulli's equations and exact differential equations</p> <p>CLO 2: Find the solutions of equations of first order but not of higher degree and to Determine particular integrals of algebraic, exponential, trigonometric functions and their products</p> <p>CLO 3: Find solutions of simultaneous linear differential equations, linear equations of second order and to find solutions using the method of variations of parameters</p> <p>CLO 4: Form a PDE by eliminating arbitrary constants and arbitrary functions, find complete, singular and general integrals, to solve Lagrange's equations</p> <p>CLO 5: Explain standard forms and Solve Differential equations using Charpit's method</p>
MATHEMATICAL STATISTICS 23UMATE35	<p>CLO 1: Understand the concepts of Probability theory and their usage in real world Situations</p> <p>CLO 2: Solve problems on Random variables, Distribution functions and Mathematical expectations</p> <p>CLO 3: Understand the Generating functions and its applications</p> <p>CLO 4: Apply the standard distributions in many fields of Science, Engineering, Medicine, Nano technology and Business</p> <p>CLO 5: Solve problems in Correlation and Regression Analysis</p>
ACCOUNTANCY-TALLY(Theory) 23UTALE35	<p>1.To prepare the Tally ERP 9</p> <p>2.Getting experience in payment voucher and inventory</p> <p>3.Know the Purchase order process and order voucher.</p> <p>4. Know about the Goods and Services in practical.</p> <p>5. Experience in interest calculation.</p>
COMPUTATIONAL MATHEMATICS-I 23UMATS36	<p>CLO1: Know the concepts of Interpolations to find the intermediate values.</p> <p>CLO2: Understand the finding of intermediate values using central difference formula..</p> <p>CLO3: Know the different formula for central difference.</p> <p>CLO4: Understand the idea of divided differences.</p> <p>CLO5: Know the interpolation for unequal intervals.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

PHP PROGRAMMING 23UMATS37	CLO1 : Know the writing of PHP scripts.
	CLO2: Able to write programs using control structures and looping statements.
	CLO3 : Able to write PHP programs using arrays and functions.
	CLO4: Able to write program using database and SQL.
	CLO5: Able to write programs using XML and DOM extensions.
INDUSTRIAL STATISTICS 23UMATC43	CLO 1: Gain working knowledge related to the problems of industrial statistics
	CLO 2: Apply the fundamental concept of statistical methods to solve some real life problems
	CLO 3: Gain a basic knowledge for study of advanced courses in this area
	CLO 4: Solve problems on Testing of Hypothesis
	CLO 5: Apply the Analysis of Variance and Design of Experiments over the collection of data for Research problems
ELEMENTS OF MATHEMATICAL ANALYSIS 23UMATC44	CLO 1: Explain in detail about sets and functions, equivalence and countability and the LUB axiom
	CLO 2: Explain Sequence and Subsequence of real numbers and to find the limit of sequence to test for convergent, divergent, bounded and monotone sequences
	CLO 3: Explain the operations on convergent and divergent sequences and to Explain the concepts of limit superior and limit inferior and the notion of Cauchy sequences
	CLO 4: Classify the series of real numbers and the alternating series and their convergence and divergence, the conditional convergence and absolute convergence and solve problems on convergence of the sequences
	CLO 5: Explain about the metric spaces and functions continuous on a Metric space
ACCOUNTANCY -TALLY PRACTICAL 23UTALE45	1) Using Tally to create personal business documents following current professional and/or industry standards
	2) Create scientific and technical documents incorporating the billing procedures
	3) Develop entries for creation of vouchers
	4) Design bills for implementation of taxation aspects.
	5) Design and construct financial statements after considering taxes and GST.
ANDROID APP DEVELOPMENT 23UMATS46	CLO1: Know the basics of Android operating system.
	CLO2: Know the Building blocks of User interface and Layout .
	CLO3: Know the function of Android switch button.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CLO4: Know the Android life cycle and menus.
	CLO5: Understand the Broadcast receiver ,Notification and Testing activity.
COMPUTATIONAL MATHEMATICS-II 23UMATS47	CLO1: Know the methods of solving non-linear equations
	CLO2: Understand the finding of solutions of simultaneous equations.
	CLO3: Know the techniques of evaluation of Numerical Integration.
	CLO4: Understand the Numerical solutions of differential equations.
	CLO5: Introduce different methods for finding solutions of numerical differential equations
ABSTRACT ALGEBRA 23UMATC51	CLO 1: Explain groups, subgroups and cyclic groups
	CLO 2: Explain about Normal subgroup, Quotient groups, Homomorphisms and Automorphisms and verify the functions for homomorphism and automorphism properties
	CLO 3: Explain Permutation groups and apply Cayley's theorem to problems
	CLO 4: Explain Rings, Ideals and Quotient Rings and examine their structure
	CLO 5: Discuss about the field of quotient of an integral domain and to Explain in detail about Euclidean Rings
REAL ANALYSIS 23UMATC52	CLO 1: Explain the concepts of Continuous and Discontinuous functions, open and close sets, Connectedness, Completeness and Compactness
	CLO 2: Explain the concepts of bounded and totally bounded sets, continuity of inverse functions and Uniform continuity
	CLO 3: Define the sets of measure zero, to Explain about the existence and properties of Riemann integral
	CLO 4: Explain the concept of differentiability and to Explain Rolle's theorem, Law of mean, and Fundamental theorem of calculus
	CLO 5: Explain the point wise and uniform convergence of sequence of function and to derive the Taylor's theorem
FOURIER SERIES AND FOURIER TRANSFORM 23UMATC53	CLO 1: Find the Fourier series representation of a function of one variable.
	CLO 2: Find the solution of the wave, diffusion and Laplace equations using the Fourier series.
	CLO 3: Demonstrate the use of Fourier Transform to connect the time domain and frequency domain.
	CLO 4: Understand different types of Fourier Transform and its properties.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CLO 5: Solve problems on Fourier Transform and inverse Fourier Transform.
PROJECT WITH VIVA VOCE FUZZY SETS AND FUZZY LOGIC 23UMATE55-1	CLO 1: Fuzzy sets.
	CLO 2: Representation of fuzzy sets
	CLO 3: Operations on fuzzy sets.
	CLO 4: Characteristics of fuzzy logic
	CLO 5: Fuzzy propositions
OPTIMIZATION TECHNIQUES 23UMATE56-1	CLO1: To introduce the construction of Network diagrams for CPM method.
	CLO2: Learn the basics of Network scheduling by PERT Method.
	CLO3: Use the appropriate Inventory models and its working system to maintain stock of products
	CLO4: To introduce the basic concepts of Sequencing problems of Jobs with machines.
	CLO5: To give clear idea on queuing systems.
LINEAR ALGEBRA 23UMATC61	CLO 1: Acquire a detailed knowledge about vector spaces and subspaces
	CLO 2: Explain the concepts of Linear Dependence, Linear Independence, Bases and Dimension of basis
	CLO 3: Explain the concept of Linear Transformations, their Matrix representation and the notion of dual spaces
	CLO 4: Find the Eigen values and Eigen vectors, to apply the concepts for diagonalisation
	CLO5: Explain about Inner product and norms and to apply Gram Schmidt Orthogonalization Process to problems on inner product spaces
COMPLEX ANALYSIS 23UMATC62	CLO 1: Explain about analytic functions, their differentiation and continuity and to verify the Harmonic functions using analyticity conditions
	CLO 2: Explain the concept of Conformal mappings and mappings by linear transformations and linear fractional transformations
	CLO 3: Explain about the integrations of functions over simply and multiply connected domains and to derive the Cauchy integral formula, Liouville's theorem, Fundamental theorem of Algebra and Maximum Module Principle
	CLO 4: Find the convergence the sequences and series, to derive Taylor's and Laurent's series



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CLO 5: Find the nature of singularities, to find the residue of a given function at a given singular point, to Explain about zeros and poles and to evaluate real improper integrals (Excluding poles on the real axis)
MECHANICS 23UMATC63	CLO 1: Define Resultant, Component of a Force, Coplanar forces, like and unlike parallel forces, Equilibrium of a Particle, Limiting equilibrium of a particle on an inclined plane.
	CLO 2: Define Moment of a force and Couple with examples. Define Parallel Forces and Forces acting along a Triangle, Solve problems on frictional forces
	CLO 3: Define work, energy, power, rectilinear motions under varying forces. Define Simple Harmonic Motion and find its Geometrical representation.
	CLO 4: Define Projectile, impulse, impact and laws of impact. Prove that the path of a projectile is a parabola. Find the direct and oblique impact of smooth elastic spheres
	CLO 5: Define central orbits, explain conic as centered orbits and solve problems related to central orbits
GRAPH THEORY & APPLICATIONS 23UMATE64-1	CO1: Give Examples and counter examples of Graphs and Subgraphs
	CO2: Understand Proof techniques in Graph theory.
	CO3: Know the Intersection Graphs and Line Graphs, Incident Matrices, Intersection Graphs and Line Graphs, Operations on Graphs.
	CO4: Get Problem solving skills in Chromatic Number and Chromatic Index.
	CO5: Understand the concepts of Hamiltonian Graphs, Trees, Planarity and Colouring
DISCRETE MATHEMATICS 23UMATE65-1	CLO1: Examples and counter examples for different types Logical Statements
	CLO2: Permutations and Combinations.
	CLO3: Problem solving techniques studied in Discrete Mathematics such as Logic, Relations, Functions, Some Algebraic Structure.
	CLO4: Equivalence relations, Composition of functions and inverse functions.
	CL O5: Lattices as Partially Ordered Sets, Properties of Lattices, Lattices as Algebraic, Special Lattices and Boolean Algebra



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

MATHEMATICS FOR COMPETITIVE EXAMINATIONS-I 23UMATF66	1. After studied unit-1, the student will be able to answer the questions related to the
	number system.
	2. After studied unit-2, the student will be able to answer real-life simple problems by
	applying the HCF and/or LCM.
	3. After studied unit-3, the student will be able to apply the correct sequence of operations
	to find out the value of a given mathematical expression.
	4. After studied unit-4, the student will be able to solve the problems involving square
	roots, cube roots, and average.
5. After studied unit-5, the student will be able to carry out the problems related to ages, and	
simplify products and quotients involving surds.	
PG	
SUBJECT	COURSE OUTCOMES
23PMATC11: ALGEBRAIC STRUCTURES	CLO 1: Recall basic counting principle, define class equations to solve problems, explain Sylow's theorems and apply the theorem to find number of Sylow subgroups
	CLO 2: Define Solvable groups, define direct products, examine the properties of finite abelian groups, define modules
	CLO 3: Define similar Transformations, define invariant subspace, explore the properties of triangular matrix, to find the index of nilpotence to decompose a space into invariant subspaces, to find invariants of linear transformation, to explore the properties of nilpotent transformation relating nilpotence with invariants.
	CLO 4: Define Jordan, canonical form, Jordan blocks, define rational canonical form, define companion matrix of polynomial, find the elementary devices of transformation, apply the concepts to find characteristic polynomial of linear transformation.
	CLO 5: Define trace, define transpose of a matrix, explain the properties of trace and transpose, to find trace, to find transpose of matrix, to prove Jacobson lemma using the triangular form, define symmetric matrix, skew symmetric matrix, adjoint, to define Hermitian, unitary, normal transformations and to verify whether the transformation in Hermitian, unitary and normal
23PMATC12: REAL ANALYSIS I	CLO1: Analyze and evaluate functions of bounded variation and Rectifiable Curves.
	CLO2: Describe the concept of Riemann-Stieltjes integral and its properties.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>CLO3:Demonstrate the concept of step function, upper function, Lebesgue function and their integrals.</p> <p>CLO4:Construct various mathematical proofs using the properties of Lebesgue integrals and establish the Levi monotone convergence theorem.</p> <p>CLO5: Formulate the concept and properties of inner products, norms and measurable functions.</p>
23PMATC13: ORDINARY DIFFERENTIAL EQUATIONS	<p>CLO1:Establish the qualitative behavior of solutions of systems of differential equations .</p> <p>CLO2:Recognize the physical phenomena modeled by differential equations and dynamical systems.</p> <p>CLO3: Analyze solutions using appropriate methods and give examples.</p> <p>CLO4:Formulate Green’s function for boundary value problems.</p> <p>CLO5:Understand and use various theoretical ideas and results that underlie the mathematics in this course.</p>
23PMATE14-1: GRAPH THEORY AND APPLICATIONS	<p>CLO 1:Understand how Lattices can be used as a tool and mathematical model in the study of networks and circuits.</p> <p>CLO 2: Construct mathematical arguments using logical connectives and quantifiers.</p> <p>CLO 3: Apply codes to develop Mathematical Models.</p> <p>CLO 4: Explore Applications of crypto systems in modern technology.</p> <p>CLO 5:Understand the applications of duality and planarity of graphs.</p>
23PMATE15-1: DISCRETE MATHEMATICS	<p>CLO 1:Understand how Lattices can be used as a tool and mathematical model in the study of networks and circuits</p> <p>CLO 2: Construct mathematical arguments using logical connectives and quantifiers.</p> <p>CLO 3: Apply codes to develop Mathematical Models.</p> <p>CLO 4: Explore Applications of crypto systems in modern technology.</p> <p>CLO 5: Learn how to work with some of the discrete structures which include semigroupsand its applications.</p>
23PMATC21: ADVANCED ALGEBRA	<p>CLO1:Prove theorems applying algebraic ways of thinking.</p> <p>CLO2:Connect groups with graphs and understanding about Hamiltonian graphs.</p> <p>CLO3:Compose clear and accurate proofs using the concepts of Galois Theory.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>CLO4:Bring out insight into Abstract Algebra with focus on axiomatic theories.</p> <p>CLO5: Demonstrate knowledge and understanding of fundamental concepts including extension fields, Algebraic extensions, Finite fields, Class equations and Sylow's theorem.</p>
23PMATC22: REAL ANALYSIS II	<p>CLO1:Understand and describe the basic concepts of Fourier series and Fourier integrals with respect to orthogonal system.</p> <p>CLO2:Analyze the representation and convergence problems of Fourier series.</p> <p>CLO3:Analyze and evaluate the difference between transforms of various functions.</p> <p>CLO4:Formulate and evaluate complex contour integrals directly and by the fundamental theorem.</p> <p>CLO5:Apply the Cauchy integral theorem in its various versions to compute contour integration.</p>
23PMATC23: PARTIAL DIFFERENTIAL EQUATIONS	<p>CLO1:To understand and classify second order equations and find general solutions</p> <p>CLO2:To analyse and solve wave equations in different polar coordinates</p> <p>CLO3:To solve Vibrating string problem, Heat conduction problem, to identify and solve Laplace and beam equations</p> <p>CLO4:To apply maximum and minimum principle's and solve Dirichlet, Neumann problems for various boundary conditions</p> <p>CLO5:To apply Green's function and solve Dirichlet, Laplace problems, to apply Helmholtz operation and to solve Higher dimensional problem</p>
23PMATE24-1: MATHEMATICAL STATISTICS	<p>CLO 1: Apply the concepts of random variables in real life situations.</p> <p>CLO 2: Identify the type of statistical situation to which different distributions can be applied.</p> <p>CLO 3: Calculate moments and their functions.</p> <p>CLO 4: Explore knowledge in the various significance tests for statistical data.</p> <p>CLO 5: Analyze statistical data using ANOVA.</p>
23PMATE25-1: WAVELETS	<p>CLO1: Understand the terminologies that are used in the wavelets, from Fourier analysis to wavelet analysis.</p> <p>CLO2: Determine the concepts of the Fourier and Inverse Fourier Transforms.</p> <p>CLO3: know the Wavelet Transforms and Time Frequency Analysis.</p> <p>CLO4: Learn the concepts on Cardinal Spline Analysis.</p> <p>CLO5: Study the Scaling Functions and Wavelets theory.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23PMATS26: MATHEMATICAL DOCUMENTATION USING LATEX	CLO1 - Understand the basic LaTeX document and the e-contents.
	CLO2 - Construct the structures of contents, index, glossary and text.
	CLO3 - Create the type setting equations
	CLO4 - Discuss several types of boxes and floats.
	CLO5 - Prepare the basic documentation.
23PMATC31: COMPLEX ANALYSIS	CLO1: Analyze and evaluate local properties of analytical functions and definite integrals.
	CLO2: Describe the concept of definite integral and harmonic functions.
	CLO3: Demonstrate the concept of the general form of Cauchy's theorem
	CLO4: Develop Taylor and Laurent series .
	CLO5 Explain the infinite products, canonical products and jensen's formula .
23PMATC32: PROBABILITY THEORY	CLO1: To define Random Events, Random Variables, to describe Probability, to apply Bayes, to define Distribution Function, to find Joint Distribution function, to find Marginal Distribution and Conditional Distribution function, to solve functions on random variables.
	CLO2: To define Expectation, Moments and Chebyshev Inequality, to solve Regression of the first and second types.
	CLO3: To define Characteristic functions, to define distribution function, to find probability generating functions, to solve problems applying characteristic functions
	CLO4: To define One point, two-point, Binomial distributions, to solve problems of Hypergeometric and Poisson distributions, to define Uniform, normal, gamma, Beta distributions, to solve problems on Cauchy and Laplace distributions
	CLO5: To discuss Stochastic convergence, Bernaulli law of large numbers, to elaborate Convergence of sequence of distribution functions, to prove Levy-Cramer Theorems and de Moivre-Laplace Theorems, to explain Poisson, Chebyshev, Khintchine Weak law of large numbers, to explain and solve problems on Kolmogorov Inequality and Kolmogorov Strong Law of large numbers.
23PMATC33: TOPOLOGY	CLO1: Define and illustrate the concept of topological spaces and the basic definitions of open sets, neighbourhood, interior, exterior, closure and their axioms for defining topological space. CLO2: Understand continuity, compactness, connectedness, homeomorphism and topological properties.
	CLO3: Analyze and apply the topological concepts in Functional Analysis.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>CLO4: Ability to determine that a given point in a topological space is either a limit point or not for a given subset of a topological space.</p> <p>CLO5: Develop qualitative tools to characterize connectedness, compactness, second countable, Hausdorff and develop tools to identify when two are equivalent(homeomorphic).</p>
23PMATC34: MECHANICS	<p>CLO1: Demonstrate the knowledge of core principles in mechanics.</p> <p>CLO2: Interpret and consider complex problems of classical dynamics in a systematic way.</p> <p>CLO3: Apply the variation principle for real physical situations.</p> <p>CLO4: Explore different applications of these concepts in the mechanical and electromagnetic fields.</p> <p>CLO5: Describe and apply the concept of Angular momentum, Kinetic energy and Moment of inertia of a particle</p>
23PMATE35-1: STOCHASTIC PROCESSES	<p>CLO 1-Understand the concept of Stochastic Processes</p> <p>CLO 2-Understand the concept of Markov Chains.</p> <p>CLO 3-Understand the concept of Markov Processes with Discrete State Space</p> <p>CLO 4-Understand the concept of Markov Chains and Markov Processes with Continuous State Space.</p> <p>CLO 5- Know the Renewal Processes in Continuous Time, Renewal Equation, Equilibrium Renewal processes.</p>
23PMATS36: STATISTICS WITH SCILAB	<p>CLO 1-Understand the basic concepts of the SCILAB .</p> <p>CLO 2-Understand the concept of the Looping and branching of SCILAB.</p> <p>CLO 3-Understand the concept of the measures of Central tendency measures of dispersion.</p> <p>CLO 4-Understand the cumulated distribution function and hypothesis testing.</p> <p>CLO 5-Understand the optimization toolbox.</p>
23PMATC41: FUNCTIONAL ANALYSIS	<p>CLO1: Understand the Banach spaces and Transformations on Banach Spaces.</p> <p>CLO2: Prove Hahn Banach theorem and open mapping theorem.</p> <p>CLO3: Describe operators and fundamental theorems.</p> <p>CLO4: Validate orthogonal and orthonormal sets.</p> <p>CLO5: Analyze and establish the regular and singular elements.</p>
23PMATC42: DIFFERENTIAL GEOMETRY	<p>CLO1: Explain space curves, Curves between surfaces, metrics on a surface, fundamental form of a surface and Geodesics.</p> <p>CLO2: Evaluate these concepts with related examples.</p> <p>CLO3: Compose problems on geodesics.</p> <p>CLO4: Recognize applicability of developable.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CLO5: Construct and analyze the problems on curvature and minimal surfaces
23PMATE44-1: RESOURCE MANAGEMENT TECHNIQUES	CLO 1-Understand the concept of the Linear Programming Problems.
	CLO 2-Understand the concept of the Artificial Variable Technique.
	CLO 3-Understand the concept of the Games and Strategies.
	CLO 4-Understand the Inventory Problems.
	CLO 5-Understand the Queueing Problems.
23PMATS45: Mathematics for Competitive Examinations	CLO 1-Understand the concept of the Algebraic concepts.
	CLO 2-Understand the concept of the Real analytical concepts.
	CLO 3-Understand the concept of the Complex Analytical concepts.
	CLO 4-Understand the Operations Research problems.
	CLO 5-Understand the problems of Statistics and Probability.

MICRO BIOLOGY	
SUBJECT	COURSE OUTCOMES
Fundamentals of Microbiology and Microbial Diversity (23UMICC13)	Study the historical events that led to the discoveries and inventions and understand the Classification of Microorganisms.
	Gain Knowledge of detailed structure and functions of prokaryotic cell organelles.
	Understand the various microbiological techniques, different types of media, and techniques involved in culturing microorganisms.
	Explain the principles and working mechanism of different microscopes/Microscope, their function and scope of application.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Understand the concept of asepsis and modes of sterilization and disinfectants.
Fundamentals of Microbiology and Microbial Diversity (23UMICP14)	Practice sterilization methods; learn to prepare media and their quality control.
	Learn streak plate, pour plate and serial dilution and pigment production of microbes.
	Understand Microscopy methods, different Staining techniques and motility test.
	Observe culture characteristics of microorganisms.
	Study on Microbial Diversity using Hay Infusion Broth- Wet mount
BASIC AND CLINICAL BIOCHEMISTRY (23UBCBE15)	Explain the structure, classification, biochemical functions and significance of carbohydrates and lipids
	Differentiate essential and non-essential amino acids, biologically important modified amino acids and their functions, Illustrate the role, classification of Proteins and recognize the structural level organization of proteins, its functions and denaturation.
	Assess defective enzymes and Inborn errors. Recognize diseases related to carbohydrate and lipid metabolism.
	Discuss and evaluate the pathology of amino acid metabolic disorders.
	Appraise the imbalances of enzymes in organ function and relate the role of Clinical Biochemistry in screening and diagnosis.
Social and Preventive medicine (23 UMICS16)	Identify the health information system
	Associate various factors with health management system
	Choose the appropriate health care services
	Appraise the role of preventive medicine in community setting
	Recommend the usage of alternate medicine during outbreaks
Basics of Microbiology (23UMICF17)	To understand relevance of microorganisms in agriculture
	To understand the marine habitat and microbial community in water
	To gain knowledge of distributions and sources of microorganisms in air
	To understand the spoilage and contamination of food and food products



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To learn about the biofertilizer, biopesticide and its applications
MICROBIAL PHYSIOLOGY AND METABOLISM (23UMICC23)	Describe microorganisms based on nutrition.
	Know the concept of microbial growth and identify the factors affecting bacterial growth.
	Explain the methods of nutrient uptake.
	Describe anaerobic and aerobic energy production.
	Elaborate on the process of bacterial photosynthesis and reproduction.
MICROBIAL PHYSIOLOGY AND METABOLISM (23UMICP24)	Describe hanging drop, wet mount preparation, semi-solid agar, Craigie's tube method.
	Demonstrate Smear preparation, permanent specimen preparation, Capsular, and Acid-fast staining.
	Explain antibiotic sensitivity testing: Disc diffusion test-quality control with standard strains.
	Describe demonstration of the size of yeast, fungal filaments and protozoa.
	Elaborate on the bacterial identification-morphological, physiological, and biochemical methods.
BIOINSTRUMENTATION (23UBINE25)	Gain knowledge about the basics of instrumentation.
	Exemplify the structure of atoms and molecules by using the principles of spectroscopy.
	Evaluate by separating and purifying the components.
	Understand the need and applications of imaging techniques.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Categorize the working principle and applications of fluorescence and radiation.
Nutrition & Health Hygiene (23UMICN26)	Learn the importance of nutrition for a healthy life
	Study the nutrition for life cycle
	Know the health care programmes of India
	Learn the importance of community and personal health & hygiene measures
	Create awareness on community health and hygiene
23UMICC33 - Molecular Biology and Microbial Genetics	Analyze the significance of DNA and elucidate the replication mechanism.
	Illustrate the types of RNA and protein synthesis machinery.
	Infer the causes and types of DNA mutation and summarize the DNA repair mechanisms.
	Evaluate the importance of plasmids and phages in genetics.
	Analyze gene transfer and recombination methods.
23UMICP34 - Practical – III: Molecular Biology and Microbial Genetics	Illustrate different types of DNA and RNA.
	Utilize hands-on training in isolation of genomic and plasmid DNA.
	Analyze importance of experimental microbial genetics.
	Apply the knowledge of molecular techniques in various fields.
	Investigate the significance of Phages.
23UMICE35 -Clinical Laboratory Technology	Describe characteristics of laboratory organizations, demonstrate professionalism by displaying professional conduct, model ethical behavior, and operate as a vital member of the medical lab team.
	Practice safety or infection control procedures in the clinical laboratory, properly use safety equipment and maintain a clean, safe work environment.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>Accurately collect specimens for various purposes. Determine appropriate tests based on test request, Maintain standard and transmission-based precautions, Engage in the scientific process by understanding the principles and practices of clinical study design, implementation, and dissemination of results.</p>
	<p>Identify the basic structure of cells, tissues and organs and describe their contribution to normal function. Interpret light and electron microscopic histological images and identify the tissue source and structures. Relate and recognize the histological appearance of affected tissues to the underlying pathology.</p>
	<p>Recognize the pathologies behind benign and malignant disorders of erythrocytes, leucocytes, thrombocytes and familiar with the diagnosis, evaluation, and management of hematologic malignancies.</p>
	<p>Interpret, implement, and complying with laws, regulations and accrediting standards and guidelines of relevant governmental and non-governmental agencies.</p>
23UMICS36 - ORGANIC FARMING & BIOFERTILISER TECHNOLOGY	<p>Become an Entrepreneur with wide knowledge about farming and sustainable resources.</p>
	<p>Implement organic farming in urban areas with knowledge on compost.</p>
	<p>Gain knowledge about the bacterial biofertilizers and its advantages</p>
	<p>Understand the significance of Cyanobacterial and fungal biofertilizers</p>
	<p>Understand and implement the use of bio fertilizers.</p>
23UMICS37 - AQUACULTURE	<p>Analyze the significance and importance of aquaculture</p>
	<p>Illustrate the types and construction of aquaculture ponds</p>
	<p>Analyze the biological characteristics of species and choose the best species for aquaculture.</p>
	<p>Follow methods involved for optimal growth of aquaculture species</p>
	<p>Summarize major species suitable for aquaculture in a particular environment</p>
23UMICC43 - IMMUNOLOGY AND IMMUNOTECHNOLOGY	<p>Assess the fundamental concepts of immunity, contributions of the organs and cells in immune responses.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Investigate the structures of Ag and Ab; Immunization.
	Justify the Immunoassay and Immunotechniques.
	Explain about the immunologic processes governing graft rejection and therapeutic modalities for immunosuppression in transplantation
	Analyze the overreaction by our immune system leading to hypersensitive conditions and its consequences.
23UMICP44 - PRACTICAL – IV : IMMUNOLOGY AND IMMUNOTECHNOLOGY	Assess the blood groups and types
	Competently perform serological diagnostic tests such as RF, ASO, CRP
	Illustrate the antigen antibody reactions in gel.
	Compare & contrast antigens and antibodies in electrophoresis
	Examine the concept of ELISA.
23UMICE45 - FOOD PROCESSING TECHNOLOGY	Assess the fundamental concepts of food preservation.
	Investigate the quality assessment of meat and fish.
	Design the processing of milk and milk quality assessment.
	Explain about the importance of fats and oils.
	Plan the food safety and adulteration detection.
23UMICS46 - VACCINE TECHNOLOGY	Explain the significance of critical antigens, immunogens and adjuvants in developing effective vaccines.
	Understand the types of vaccines.
	Construct vaccine applying rDNA technology.
	Formulate the strategies for developing an innovative vaccine technology with different mode of vaccine delivery.
	Evaluate the regulatory issues and guidelines for the management of vaccine production.
23UMICS47 - APICULTURE	Understand the systematic position and life history of honey bee.
	Reveal the different stages and types of bees and discuss about the care and management of apiculture.
	Describe the practice of bee rearing process and analyze instruments employed in apiary.
	Compare and contrast the composition of honey and bee wax and interpret the yield in National and International markets.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Clarify the proposal for financial assistance and funding agencies and reveal the modern methods employed in artificial bee hives.
23UMICC51 - BACTERIOLOGY AND MYCOLOGY	Understand the importance of normal flora of human body and acquire knowledge on the process of infectious disease.
	Explain the various bacterial pathological events during the progression of an infectious disease, and apply the underlying mechanisms of spread of disease and its control.
	Compile a list of disease-causing bacteria and compare their modes of infection, symptoms, diagnosis and treatment.
	Comprehend human-fungal interaction, which can be applied to obtain in-depth knowledge on fungal diseases and the mechanism behind the disease process.
	Explain the types of mycoses caused in humans and categorize the modes of infection, pathogenesis, and treatment with introduction to mycotoxins.
23UMICC52 - VIROLOGY AND PARASITOLOGY	Understand the structure and properties of viruses, cultivation methods and diagnosis of viral diseases.
	Knowledge of basic and general concepts of causation of disease by the pathogenic microorganisms and various parameters of assessment of their severity and the methods of diagnosis.
	Insights to treatment options of viral diseases.
	Knowledge about the importance of protozoans in the intestine.
	Knowledge of Nematodes as infectious agent
23UMICP53 - PRACTICAL V : Covering Core IX & X	Demonstrate methods to observe and measure microorganisms by standard microbiological techniques
	Identify pathogenic microorganisms in the laboratory set-up and interpret their sensitivity towards commonly administered antibiotics.
	Understand experimental tools used to cultivate and characterize clinically important viruses and bacteriophages
	Elucidate clinically important fungi.
	Investigate Parasites of medical importance and identify them from clinical specimens.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UMICE55 -RECOMBINANT DNA TECHNOLOGYS	Illustrate the steps involved in introduction and expression of foreign DNA into bacteria, animal and plants cells and their screening.
	Discuss the various cloning vectors and their applications.
	Assess the usage and advantages of molecular tools.
	Explain plant and animal tissue culture protocols and gene transfer mechanism.
	Elucidate and understand the application of genetic engineering and gene therapy.
23UMICE56 -sBIOSAFETY & BIOETHICS	Understand the control measures of laboratory hazards (chemical, biological and physical) and to practice safety strategies and personal protective equipment
	Develop stratagemms for the use of genetically modified organisms and Hazardous materials
	Develop skills of critical ethical analysis of contemporary moral problems in medicine and health care.
	Analyze and respond to the comments of other students regarding philosophical issues.
	Pave the way for the students to catch up Intellectual Property(IP) as a career option a. R&D IP Counsel b. Government Jobs – Patent Examiner c. Private Jobs d. Patent agent and Trademark agent e. Entrepreneur
23UMICC61 - ENVIRONMENTAL AND AGRICULTURE MICROBIOLOGY	Describe about the structure and function of ecosystems and understand the role of microbes in various environments
	Identify the cause of water pollution, and perform methods to assess the quality of water.
	Explain the production of biofertilizers and biopesticides.
	Explain about waste treatment process and microbial decomposition and bio-remediation process.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Describe about plant diseases caused by microbes and acquire a clear idea on plant pathogenic interaction
23UMICC62 - FOOD, DAIRY AND PROBIOTIC MICROBIOLOGY	Gain knowledge about food as a substrate for various microbes, Understand about the principles and application of different types of food spoilage and preservation technique,
	Acquire a thorough understanding of food borne diseases, testing methods, and preventive technique
	Gain information about spoilage of milk and its products and its antimicrobial properties
	Learn about the various fermented product and its various stage spoilage
	Impart current knowledge of probiotics, prebiotics and functional dairy foods for the health benefits
23UMICP63 - PRACTICAL VI: Covering Core XIII & XIV	Assess the microbial quality of water and relate the experimental results to the prescribed standards by the statutory bodies
	Evaluate the quality of milk and enumerate bacteria in milk by standard plate count method
	Identify extracellular enzyme producing and nitrogen fixing microorganism from soil and to prepare a biofertilizer.
	Identify various plant pathogenic bacteria
	Synthesize probiotic fermented milks using microorganisms
23UMICE64 -PHARMACEUTICAL MICROBIOLOGY	Learn the basics of chemotherapy and action of antibiotics
	Carry out the microbiological assay of antibiotics
	Analyse Microbiological standardization of Pharmaceuticals, sterility testing of pharmaceutical products Apply sterilization in pharmaceutical industry
	Evaluate the process and develop new strategies for rational drug design
	Learn the Regulatory guidelines in pharmaceuticals product.
23UMICE65 -ENTREPRENEURSHIP AND BIO-BUSINESS	Describe and apply several entrepreneurial ideas and business theories in practical framework.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Analyse the business environment in order to identify business opportunities, identify the elements of success of entrepreneurial ventures, evaluate the effectiveness of different entrepreneurial strategies and interpret their own business plan.
	Express the mass production of microbial inoculants used as Biofertilizers and Bioinsecticides in response with field application and crop response.
	Analyze the application and commercial production of Monoclonal antibodies, Cytokines. TPH and teaching kits.
	Integrate and apply knowledge of the regulation of biotechnology industries, utilize effective team work skills within an effective management team with a common objective, and gain effective team work skills, with an awareness of cultural diversity and social inclusiveness.
23UMICF66 - MICROBIAL QUALITY CONTROL AND TESTING	Understand the theoretical assessment of microbial quality methods and its good laboratory practices.
	Describe the microbiological aspects of quality control of food and pharmaceutical products.
	Explain the identification of pathogenic microorganisms and good laboratory practices.
	Acquire the knowledge of different sterility test for the pharmaceutical products.
	Illustrate the safety concern management and regulations of food and pharmaceutical industry and learn the basic standard methods and procedures for the microbiological analysis of food.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

PHYSICS	
SUBJECT	COURSE OUTCOMES
23UPHYC13 PROPERTIES OF MATTER AND ACOUSTICS	Relate elastic behavior in terms of three moduli of elasticity and working of torsion pendulum.
	Able to appreciate concept of bending of beams and analyze the expression, quantify, and understand nature of materials.
	Explain the surface tension and viscosity of fluid and support the interesting phenomena associated with liquid surface, soap films provide an analogue solution to many engineering problems.
	Analyze simple harmonic motions mathematically and apply them. Understand the concept of resonance and use it to evaluate the frequency of vibration. Set up experiment to evaluate frequency of ac mains
	Understand the concept of acoustics, importance of constructing buildings with good acoustics.
	Able to apply their knowledge of ultrasonics in real life, especially in medical field and assimilate different methods of production of ultrasonic waves
23UPHYP14 PRACTICAL - I	Understand and determine accurately the length, radius by using screw gauge and vernier calipers.
	Grasp and find the Young's modulus, rigidity modulus of solid materials
	Recognize and estimate the surface tension and interfacial properties two immiscible liquids.
	Appreciate and measure the internal friction between the layers of the liquid.
	perform experiments in sonometer and verification of laws of transverse vibrations.
23UCHEE15 CHEMISTRY FOR PHYSICAL SCIENCES-I	CO1: Gain in-depth knowledge about the theories of chemical bonding, nuclear reactions and its applications.
	CO2: Evaluate the efficiencies and uses of various fuels and fertilizers
	CO3: Explain the type of hybridization, electronic effect and mechanism involved in the organic reactions.
	CO4: Apply various thermodynamic principles, systems and phase rule.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO5: Explain various methods to identify an appropriate method for the separation of chemical components
23UCHEEP1 CHEMISTRY FOR PHYSICAL SCIENCE PRACTICAL –I	CO1: gain an understanding of the use of standard flask and volumetric pipettes, burette.
	CO2: design, carry out, record and interpret the results of volumetric titration.
	CO3: apply their skill in the analysis of water/hardness.
	CO4: analyze the chemical constituents in allied chemical products
23UPHYN16 PHYSICS FOR EVERYDAY LIFE	1. <i>the basics of measurements and mechanics in daily life</i>
	2. <i>the principle of Pressure cooker, Refrigerator and Air conditioner.</i>
	3. <i>the construction and working of domestic electrical appliances.</i>
	4. <i>the fundamentals of laser and its applications.</i>
	5. <i>the different biomedical instruments used in clinics.</i>
23UPHYF17 INTRODUCTORY PHYSICS	Apply concept of vectors to understand concepts of Physics and solve problems
	Appreciate different forces present in Nature while learning about phenomena related to these different forces.
	Quantify energy in different process and relate momentum, velocity, and energy
	Differentiate different types of motions they would encounter in various courses and understand their basis
	Relate various properties of matter with their behaviour and connect them with different physical parameters involved.
23UPHYC23 HEAT, THERMODYNAMICS AND STATISTICAL MECHANICS	Acquires knowledge on how to distinguish between temperature and heat. Introduce him/her to the field of thermometry and explain practical measurements of high temperature as well as low temperature physics. Student identifies the relationship between heat capacity and specific heat capacity. The study of Low temperature Physics sets the basis for the students to understand cryogenics, superconductivity, superfluidity and Condensed Matter Physics
	Derive the efficiency of Carnot's engine. Discuss the implications of the laws of Thermodynamics in diesel and petrol engines
	Able to analyze performance of thermodynamic systems viz efficiency by problems. Gets an insight into thermodynamic properties like enthalpy, entropy
	Study the process of thermal conductivity and apply it to good and bad conductors. Quantify different parameters related to heat, relate them with various physical parameters and analyse them



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Interpret classical statistics concepts such as phase space, ensemble, Maxwell-Boltzmann distribution law. Develop the statistical interpretation of Bose-Einstein and Fermi-Dirac. Apply to quantum particles such as photon and electron
23UPHYP24 PRACTICAL - II	Understand and determine accurately the elevation, depression of a loaded wooden bar using travelling microscope.
	Grasp and find the Young's modulus, rigidity modulus of some selected solid materials
	Recognize and estimate the density and frequency of AC supply using sonometer.
	Appreciate and measure the thermal properties such as specific heat and thermal conductivity of solids.
	perform experiments in potentiometer, Melde's apparatus, and deflection magnetometer
23UCHEE25 Chemistry for Physical Sciences-II	CO1: writetheIUPACnameforcomplex,differenttheoriestoexplainthebonding in coordination compounds and water technology
	CO2: explainthepreparationandpropertyofcarbohydrate,aminoacidsand nucleic acids.
	CO3: apply/demonstratetheelectrochemistryprinciplesincorrosion,electroplatingandfuelcells.
	CO4: identifythereactionrate,orderforchemicalreactionandexplainthepurpose of a catalyst.
	CO5: outlinethevarioustypeofphotochemicalprocess.
23UCHEEP2 Chemistry for Physical Sciences Practical -II	CO1:gainanunderstandingoftheuseofstandardflaskandvolumetricpipettes, burette.
	CO2:design,carryout,recordandinterprettheresultsofvolumetrictitration.
	CO3:applytheirknowledgeintheanalysisofwater/hardness.
	CO4:analyzethechemicalconstituentsinalliedchemicalproducts
23UPHYN26 ASTROPHYSICS	Understand the principle of telescopes and their operation and parameters, types of telescopes, detectors and image processing and advanced space telescopes.
	Grasp the ideas behind Solar system, inter planetary distances, meteors, meteorites, comets, asteroids, belt, cloud, gravitational waves and recent advances in astrophysics.
	Recognize the Physics behind Eclipses and types of eclipses, solar and lunar eclipse, structure of the Sun.
	Appreciate the Stellar Evolution process, birth & death of star, pulsars, black holes, supernovae, Galaxies, dark matter, evolving universe.
	perform any three of the activities related to the astrophysics.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UPHYC33 OPTICS AND LASER PHYSICS	Outline basic knowledge of methods of rectifying different defects in lenses, articulate technological applications of eyepieces
	Discuss the principle of superposition of wave, use these ideas to understand the wave nature of light through working of interferometer
	Extend the knowledge about nature of light through diffraction techniques; apply mathematical principles to analyse the diffraction.
	Interpret basic formulation of polarization and gain knowledge about polarimeter, appraise its usage in industries
	Relate the principles of optics to field of Laser and understand their operation and application in industries
23UPHYS36 HOME ELECTRICAL INSTALLATION	Understand the use of electrical meters, passive devices
	Know the production and transmission of electricity
	Appreciate domestic wiring and household appliances
	Be aware of power rating and energy calculations
	To realize the precautions and safety measures while handling electricity.
23UPHYS37 PHYSICS OF MUSIC	1. Develop basic understanding of sound.
	2. Obtain knowledge and principle of Music.
	3. Know about Musical tones.
	4. Learn the key factors of Music Systems
	5. Acquire knowledge recording of music
23UPHYC43 CORE INDUSTRY MODULE ELECTRICITY, MAGNETISM AND ELECTROMAGNETISM	Describe capacitors, various thermo-electric effects and their properties.
	Apply Biot and Savart law to study the magnetic effect of electric current.
	Use Faraday and Lenz laws in explaining self and mutual inductance.
	Analyze the time variation of current and potential difference in AC circuits.
	Relate different physical quantities used to explain magnetic properties of materials and describe electromagnetic wave.
23UPHYP44 PHYSICS PRACTICAL –IV	
23UMATE45 MATHEMATICS 2	CO1: Attain knowledge on finding the expansions of trigonometric functions and concept of hyperbolic and inverse hyperbolic functions.
	CO2: Provide a basic knowledge of Partial Differential equations and develops knowledge on handle practical problems.
	CO3: Adopt techniques in solving problems involving vector and scalar functions
	CO4: Provide skills on finding derivatives and gradients on vector differentiation and



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>Integration.</p> <p>CO5: Understand the applications of differentiation and integration in real life situation.</p>
23UPHYS46 ASTROPHYSICS	<p>Understand the principle of telescopes and their operation and parameters, types of telescopes, detectors and image processing and advanced space telescopes.</p> <p>Grasp the ideas behind Solar system, inter planetary distances, meteors, meteorites, comets, asteroids, belt, cloud, gravitational waves and recent advances in astrophysics.</p> <p>Recognize the Physics behind Eclipses and types of eclipses, solar and lunar eclipse, structure of the Sun.</p> <p>Appreciate the Stellar Evolution process, birth & death of star, pulsars, black holes, supernovae, Galaxies, dark matter, evolving universe.</p> <p>perform any three of the activities related to the astrophysics.</p>
23UPHYS47 BASIC INSTRUMENTATIONSKIL L	<p>explain about basic electrical instruments and their qualities, performance parameters of moving coil instruments and electronic voltmeter, and practical applications of analog multimeter.</p> <p>understand the construction and working of a very important instrument, CRO, to visualize the electrical waveforms and use it for various measurements of signal parameters.</p> <p>get to know practically the working principle of signal generators, distortion meters and their practical usage in testing amplifiers, filter circuits etc.</p> <p>appreciate the significance of LCR bridges, quality factor meter, state-of-the-art digital LCR bridges.</p> <p>acquire practical ideas of digital instruments, advantages of digital over analog instruments, principle working of digital multimeter and its usage.</p>
23UPHYC51 GENERAL MECHANICS AND CLASSICAL MECHANICS	<p>Understand the Newton's Law of motion, understand general theory of relativity, Kepler's laws and realize the basic principles behind planetary motion</p> <p>Acquire the knowledge on the conservation laws</p> <p>Apply conservation law and calculate energy of various systems, understand, and differentiate conservative and non-conservative forces</p> <p>Gain knowledge on rigid body dynamics and solve problems based on this concept</p> <p>Appreciate Lagrangian system of mechanics, apply D' Alemberts principle</p>
23UPHYC52 ATOMIC AND NUCLEAR PHYSICS	<p>Define Pauli's exclusion principle and know about Vector atom model and different coupling schemes.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>Outline origin of atomic spectra, explain Zeeman effect –Paschen-Back effect – Stark effect.</p> <p>Explain the properties of alpha beta and gamma rays and their spectra</p> <p>Explain liquid drop model and the shell mode of a nucleus outline the artificial radioactivity and applications of radio isotope.</p> <p>Understand the concept of elementary particles know about quarks and cosmic rays.</p>
23UPHYC53 ANALOG ELECTRONICS	<p>1. work with semiconductors, p-n junction and special diodes</p> <p>2. know the transistor, its Characteristics and transistor amplifier</p> <p>3. apply feedback principle, understand oscillators and multivibrators</p> <p>4. understand the operation and importance of some special semiconductor devices</p> <p>5. acquire idea on Operational Amplifier IC and its applications</p>
23UPHYE55 PHYSICS PRACTICAL - V	
23UPHYE56-1 COMMUNICATION PHYSICS	<p>understand the wireless radio communication and modulation methods and receiver principles.</p> <p>Know the physical idea behind optical fiber communication, transmission losses and advantages over conventional copper cables.</p> <p>recognize the different types of Radar equipment and their operation.</p> <p>explain the satellite communication, transponder assembly, Indian satellites.</p> <p>Describe mobile cellular communication 4G, fax, VSAT, IPTV, Wireless fidelity.</p>
23UPHYC61 RELATIVITY AND QUANTUM MECHANICS	<p>1. Gain knowledge in concepts of special theory of relativity and Einstein's mass energy relation</p> <p>2. To learn the importance of transformation equations and also to differentiate between special and general theory of relativity</p> <p>3. Obtain ideas about dual nature of matter and understand Heisenberg's uncertainty principle.</p> <p>4. Derive Schrodinger wave equations and to get exposed to operators and their commutation relations</p> <p>5. Understand application of Schrodinger wave equations in one dimension and higher dimension.</p>
23UPHYC62 SOLID STATE PHYSICS	<p>1. Gain knowledge in types of bonding, miller indices, crystal structures.</p> <p>2. To learn the importance of dynamics of crystal lattice.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	3. Obtain ideas about various magnetic properties of solids.
	4. Understand the dielectric properties of materials.
	5. Understand ferroelectric and superconducting properties of materials.
23UPHYC63 DIGITAL ELECTRONICS AND MICROPROCESSOR 8085	1. Gain knowledge of the idea behind of number systems and inter-conversions.
	2. To know the working and importance of arithmetic circuits.
	3. Obtain ideas about elements of Sequential circuits and organisation of memory.
	4. Explain the architecture and pin out of 8085 MPU
	5. Understand addressing modes and the way of writing assembly level programs in 8085 MPU.
23UPHYE64 PHYSICS PRACTICAL - VI	
23UPHYE65-1 ADVANCED MATHEMATICAL PHYSICS	
23UPHYF66 PROBLEM SOLVING SKILLS IN PHYSICS, APTITUDE AND REASONING	1. apply broad physical principles to specific situations and solve problems using appropriate equations and methods.
	2. develop a problem-solving strategy that involves examining the situation, identifying the knowns and unknowns, choosing a suitable equation, solving for the desired quantity, and checking the validity and significance of the solution.
	3. use multiple representations such as diagrams, graphs, tables, equations, and words to analyze and communicate physical phenomena and solutions.
	4. estimate and evaluate the reasonableness and accuracy of their solutions using dimensional analysis, order-of-magnitude estimates, significant figures, and experimental uncertainties.
	5. demonstrate improved cognitive skills such as critical thinking, logical reasoning, creativity, and metacognition in solving physics problems.
PG	
SUBJECT	COURSE OUTCOMES
23PPHYC11: MATHEMATICAL PHYSICS	Understand use of bra-ket vector notation and explain the meaning of complete orthonormal set of basis vectors, and transformations and be able to apply them
	Able to understand analytic functions, do complex integration, by applying Cauchy Integral Formula. Able to compute many real integrals and infinite sums via complex integration.
	Analyze characteristics of matrices and its different types, and the process of diagonalization.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>Solve equations using Laplace transform and analyze the Fourier transformations of different function, grasp how these transformations can speed up analysis and correlate their importance in technology</p>
	<p>To find the solutions for physical problems using linear differential equations and to solve boundary value problems using Green's function. Apply special functions in computation of solutions to real world problems</p>
23PPHYC12: CLASSICAL MECHANICS AND RELATIVITY	<p>Understand the fundamentals of classical mechanics.</p>
	<p>Apply the principles of Lagrangian and Hamiltonian mechanics to solve the equations of motion of physical systems.</p>
	<p>Apply the principles of Lagrangian and Hamiltonian mechanics to solve the equations of motion of physical systems.</p>
	<p>Analyze the small oscillations in systems and determine their normal modes of oscillations.</p>
	<p>Understand and apply the principles of relativistic kinematics to the mechanical systems.</p>
23PPHYC13: LINEAR AND DIGITAL ICs AND APPLICATIONS	<p>Learn about the basic concepts for the circuit configuration for the design of linear integrated circuits and develops skill to solve problems</p>
	<p>Develop skills to design linear and non-linear applications circuits using Op-Amp and design the active filters circuits.</p>
	<p>Gain knowledge about PLL, and develop the skills to design the simple circuits using IC 555 timer and can solve problems related to it.</p>
	<p>Learn about various techniques to develop A/D and D/A converters.</p>
	<p>Acquire the knowledge about the CMOS logic, combinational and sequential circuits</p>
23PPHYC14: PRACTICAL I	<p>Understand the strength of material using Young's modulus.</p>
	<p>Acquire knowledge of thermal behaviour of the materials.</p>
	<p>Understand theoretical principles of magnetism through the experiments.</p>
	<p>Acquire knowledge about arc spectrum and applications of laser</p>
	<p>Improve the analytical and observation ability in Physics Experiments</p>
	<p>Conduct experiments on applications of FET and UJT</p>
	<p>Analyze various parameters related to operational amplifiers.</p>
	<p>Understand the concepts involved in arithmetic and logical circuits using IC's</p>
	<p>Acquire knowledge about Combinational Logic Circuits and Sequential Logic Circuits</p>
	<p>Analyze the applications of counters and registers</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23PPHYE15-1: ENERGY PHYSICS	To identify various forms of renewable and non-renewable energy sources
	Understand the principle of utilizing the oceanic energy and apply it for practical applications.
	Discuss the working of a windmill and analyze the advantages of wind energy.
	Distinguish aerobic digestion process from anaerobic digestion.
	Understand the components of solar radiation, their measurement and apply them to utilize solar energy.
23PPHYC21: STATISTICAL MECHANICS	To examine and elaborate the effect of changes in thermodynamic quantities on the states of matter during phase transition
	To analyze the macroscopic properties such as pressure, volume, temperature, specific heat, elastic moduli etc. using microscopic properties like intermolecular forces, chemical bonding, atomicity etc.
	Describe the peculiar behaviour of the entropy by mixing two gases
	Justify the connection between statistics and thermodynamic quantities
	Differentiate between canonical and grand canonical ensembles and to interpret the relation between thermodynamical quantities and partition function
	To recall and apply the different statistical concepts to analyze the behaviour of ideal Fermi gas and ideal Bose gas and also to compare and distinguish between the three types of statistics.
	To discuss and examine the thermodynamical behaviour of gases under fluctuation and also using Ising model
23PPHYC22: QUANTUM MECHANICS – I	Demonstrates a clear understanding of the basic postulates of quantum mechanics which serve to formalize the rules of quantum
	Mechanics
	Is able to apply and analyze the Schrodinger equation to solve one dimensional problems and three dimensional problems
	Can discuss the various representations, space time symmetries and formulations of time evolution
	Can formulate and analyze the approximation methods for various quantum mechanical problems
	To apply non-commutative algebra for topics such as angular and spin angular momentum and hence explain spectral line splitting.
23PPHYC23: PRACTICAL II	Understand the strength of material using Young's modulus
	Acquire knowledge of thermal behaviour of the materials
	Understand theoretical principles of magnetism through the experiments.
	Acquire knowledge about arc spectrum and applications of laser
	Improve the analytical and observation ability in Physics Experiments



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Conduct experiments on applications of FET and UJT
	Analyze various parameters related to operational amplifiers
	Understand the concepts involved in arithmetic and logical circuits using IC's
	Acquire knowledge about Combinational Logic Circuits and Sequential Logic Circuits
	Analyze the applications of counters and registers
23PPHYE24-1: PLASMA PHYSICS	Understand the collision, cross section of charged particles and to able to correlate the magnetic effect of ion and electrons in plasma state.
	Understand the plasma and learn the magneto-hydrodynamics concepts applied to plasma.
	Explore the oscillations and waves of charged particles and thereby apply the Maxwell's equation to quantitative analysis of plasma.
	Analyze the different principle and techniques to diagnostics of plasma.
	Learn the possible applications of plasma by incorporating various electrical and electronic instruments.
23PPHYE25-1: ADVANCED SPECTROSCOPY	Comprehend set of operations associated with symmetry elements of a molecule, apply mathematical theory while working with symmetry operations. Apply mathematical theory while working with symmetry operations. To use group theory as a tool to characterize molecules.
	Align with the recent advances in semiconductor laser technology combined sensitive spectroscopic detection techniques.
	Understand principle behind Mossbauer spectroscopy and apply the concepts of isomer shift and quadrupole splitting to analyse molecules.
	Assimilate this XPES quantitative technique and the instrumentation associated with this, as applied in understanding surface of materials.
	Employ IR and Raman spectroscopic data along with other data for structural investigation of molecules. Analyze thermodynamic functions and other parameters to evolve molecular models.
23PPHYS26: RESEARCH METHODOLOGY AND IPR	Know the basics of research methodology, information communication technologies, cyber security and the future of physics.
	Understand the fundamentals of intellectual property rights and the role of incubators and public policies.
	Identify and classify various types of reports, ICT tools, ICT services, intellectual properties, agencies, treaties and public policies.
	Utilize search engines for finding research articles, patents, designs, incubator policies and current research topics in physics.
	Evaluate and create new ideas in the situation in cyber security, intellectual property and innovation-incubator system in India.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23PPHYC31 ELECTROMAGNETIC THEORY	Solve the differential equations using Laplace equation and to find solutions for boundary value problems
	Use Biot-Savart's law and Ampere circuit law to find the magnetic induction & magnetic vector potential for various physical problems
	Apply Maxwell's equations to describe how electromagnetic field behaves in different media
	Apply the concept of propagation of EM waves through waveguides in optical fiber communications and also in radar installations, calculate the transmission and reflection coefficients of electromagnetic waves
	Investigate the interaction of ionized gases with self-consistent electric and magnetic fields
23PPHYC32 QUANTUM MECHANICS – II	Familiarize the concept of scattering theory such as partial
	Wave analysis and Born approximation
	Give a firm grounding in relativistic quantum mechanics, with emphasis
	On Dirac equation and related concepts
	Discuss the relativistic quantum mechanical equations namely, Klein-Gordon and Dirac equations and the phenomena accounted by them like
	Electron spin and magnetic moment
	Introduce the concept of covariance and the use of Feynman graphs for
	Depicting different interactions
	Demonstrate understanding of field quantization and the explanation of the scattering matrix.
23PPHYC33 CONDENSED MATTER PHYSICS	Student will be able to list out the crystal systems, symmetries allowed in a system and also the diffraction techniques to find the crystal structure
	Students will be able to visualize the idea of reciprocal spaces, Brillouin Zone and their extension to band theory of solids.
	Student will be able to comprehend the heat conduction in solids
	Student will be able to generalize the electronic nature of solids from band theories.
	Student can compare and contrast the various types of magnetism and conceptualize the idea of superconductivity.
23PPHYC34 MICRO PROCESSOR 8085 AND MICRO CONTROLLER 8051	Develop the programming skills of Microprocessor
	Appreciate the applications of Microprocessor programming
	Understand the structure and working of 8085 microprocessor and apply it.
	Acquire knowledge about the interfacing peripherals with 8085 microprocessor.
	Acquire knowledge about the interfacing 8051 microcontroller with various peripherals.
23PPHYE35-1	Acquire knowledge on optoelectronic materials



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

MATERIALSCIENCE	Be able to prepare ceramic materials	
	Be able to understand the processing and applications of polymeric materials	
	Be aware of the fabrication of composite materials	
	Be knowledgeable of shape memory alloys, metallic glasses and nanomaterials	
23PPHYS36 SOLAR ENERGY UTILIZATION	Gained knowledge in fundamental aspects of solar energy utilization	
	Equipped to take up related job by gaining industry exposure	
	Develop entrepreneurial skills	
	Skilled to approach the needy society with different types of solar cells	
23PPHYC41 NUCLEAR AND PARTICLE PHYSICS	Gained industrialist mind set by utilizing renewable source of energy	
	Summarize the nuclear structure and nuclear force through various Models	
	State various types of nuclear reactions based on nuclear reaction Cross sections.	
	Understand various nuclear phenomena by applying nuclear models.	
	Discuss the theories involved in different types of radioactive decays.	
	Explain elementary particles and discuss their classifications based on theoretical models.	
23PPHYC42 SPECTROSCOPY	Understand the basics of Atomic Spectroscopy and the interaction of Matter and energy.	
	Know the basic principles of Microwave and absorption spectroscopic Techniques and their applications.	
	Apply Raman Spectroscopy in the determination of atomic structure, chemical composition and physical properties of materials from Raman Spectrum.	
	Know the basics and applications of Nuclear Magnetic Resonance and Nuclear Quadrupole Resonance spectroscopies.	
	Understand the principles of ESR and Mossbauer Spectroscopies	
	23PPHYE44 NUMERICAL METHODS AND COMPUTER PROGRAMMING (C)	Program with the C Program/FORTRAN with the C or any other high level language
		Use various numerical methods in describing/solving physics problems.
Solve problem, critical thinking and analytical reasoning as applied to scientific problems.		
To enhance the problem-solving aptitudes of students using various numerical methods.		
To apply various mathematical entities, facilitate to visualize any complicated tasks.		
Process, analyze and plot data from various physical phenomena and interpret their meaning		
Identify modern programming methods and describe the extent and limitations of computational Methods in physics		



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Workout numerical differentiation and integration whenever routine are not applicable.
	Apply various interpolation methods and finite difference concepts.
	Understand and apply numerical methods to find out solution of algebraic equation using
	Different methods under different conditions, and numerical solution of system of algebraic equation.
23PPHYS45 NUMERICAL METHODS AND COMPUTER PROGRAMMING	Recall the transcendental equations and analyze the different root finding methods. Understand the basic concept involved in root finding procedure such as Newton Raphson and Bisection methods, their limitations.
	Relate simultaneous linear equations and their matrix representation Distinguish between various methods in solving simultaneous linear equations.
	Understand, how interpolation will be used in various realms of physics and Apply to some simple problems Analyze the newton forward and backward interpolation
	Recollect and apply methods in numerical differentiation and integration. Assess the trapezoidal and Simson's method of numerical integration.
	Understand the basics of C-programming and conditional statements.

STATISTICS	
SUBJECT	COURSE OUTCOMES
23USTAC13: DESCRIPTIVE STATISTICS	CLO-1: Describe the scope, functions, applications and limitations of Statistics.
	CLO-2: Also to explain the statistical survey, collection of data, sampling and presentation of data.
	CLO-3: Discuss the importance and uses of central values and dispersions for the various types of data.
	CLO-4: Also to measure the various measures of averages and scatteredness of the mass of data in series.
	CLO-5: Explain about the lack of symmetry, rth moments and peakedness of the frequency distributions
	CLO-6: Ability to apply in data
23USTAC14: PROBABILITY THEORY	CLO-1: Understand concepts of probability and Identify the different approaches of probability theory



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>CLO-2: Define the random variable and its respective probability values and to compare a discrete and continuous random variable.</p> <p>CLO-3: Calculate the expected value of a random variable variance, covariance, moments and find the conditional expectation and variance of bi-variate random variable.</p> <p>CLO-4: Estimate the measures of central values, Dispersions, Skewness and Kurtosis through the generation of function</p> <p>CLO-4: Calculate the mean and variance through some law of large numbers.</p> <p>CLO-5: Understand bivariate random variables and its distributions</p> <p>CLO-6: Application of probability theory in real life</p>
23UMASE15: Mathematics for Statistics	<p>CLO-1: Distinguish between proper and improper fractions. Express an algebraic fraction as the sum of its partial fractions.</p> <p>CLO-2: Demonstrate the knowledge to determine the sums, expansion and approximation of series including binomial, exponential, logarithmic and fourier.</p> <p>CLO-3: Solve problems about polynomials with real coefficients, imaginary and irrational roots. Explain the relationship between the derivative of a function as a function and the notion of the derivative.</p> <p>CLO-4: Calculate limits of a function.</p> <p>CLO-5: Obtain the nth derivative in successive differentiation. Apply Euler's theorem on homogenous function.</p> <p>CLO-6 : Obtain the mathematical knowledge and skills for the better understanding of statistics as a mathematical science.</p>
23USTAF17: QUANTITATIVE APTITUDE	<p>1. Understand the basic concepts of quantitative ability</p> <p>2. Understand the basic concepts of logical reasoning Skills</p> <p>3. Acquire satisfactory competency in use of reasoning</p> <p>4. Solve campus placements aptitude papers covering Quantitative Ability, Logical Reasoning Ability.</p> <p>5. Compete in various competitive exams like CAT, CMAT, GATE, GRE, GATE, UPSC, GPSC etc.</p>
23USTAC23: Matrix and Linear Algebra	<p>CLO-1 Do basic operations of matrices</p> <p>CLO-2 Understand various transactions of matrices and its applications.</p> <p>CLO-3 Understand various properties of matrices</p> <p>CLO-4 Able to understand vector space and its applications</p> <p>CLO-5 Able understand eigen vector and its applications</p> <p>CLO-6 Able understand vector and matrix applications</p>
23USTAC24: DISTRIBUTION THEORY	<p>CLO-1 identify discrete distributions appeared in real life situations</p> <p>CLO-2 understand some continuous distributions and its applications</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>CLO-3 connection between some of the real values mathematical functions and its application in distribution theory.</p> <p>CLO-4 understand normal distribution and its properties</p> <p>CLO-5 understand sampling distributions and its applications in real life</p> <p>CLO-6 identify probability models in real data and estimate population parameters</p>
23UNUME25: NUMERICALMETHODS- I	<p>CLO-1 Solve numerically equations that cannot have direct solution</p> <p>CLO-2 solve system of linear equations</p> <p>CLO-3 understand the need of interpolation</p> <p>CLO-4 handle numerical differentiation</p> <p>CLO-5 do integration numerically</p> <p>CLO-6 get a foundation on algorithms to solve a mathematical problem</p>
23USTAN16: STATISTICAL METHODS I	<p>1. After studied unit - 1, the student will be able to know visualization of data</p> <p>2. After studied unit - 2, the student will be able to know computations of various statistical measures of data</p> <p>3. After studied unit - 3, the student will be able to know sample selection and various sampling procedures</p> <p>4. After studied unit - 4, the student will be able to know relationship among variables and fitting of simple regression model</p> <p>5. After studied unit - 5, the student will be able to know computation of interest calculations</p>
23USTAS36- DATABASE MANAGEMENT SYSTEM	<p>1. After studied unit - 1, the student will be able to know structure of DBMS.</p> <p>2. After studied unit - 2, the student will be able to know the concept of entity relationship models</p> <p>3. After studied unit - 3, the student will be able to know relational data based designs</p> <p>4. After studied unit - 4, the student will be able to know standard query language</p> <p>5. After studied unit - 5, the student will be able to know the concept of PL/SQL</p>
23USTAS46 STATISTICAL DATA ANALYSIS-I (USING R PROGRAMMING)	<p>1. Understand the various concepts of statistical tests and to apply large sample tests.</p> <p>2. Apply the exact tests for research problems.</p> <p>3. Apply the various chi-square tests.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	4. Apply the multiple regression analysis and multivariate tests for real life problems.
	5. Apply the non-parametric tests for sample data.
23USTAE65 TIME SERIES AND INDEX NUMBERS	Course Outcomes
	1. After studied unit - 1, the student will be able to know time series and its components
	2. After studied unit - 2, the student will be able to know measuring seasonal variations in the data
	3. After studied unit - 3, the student will be able to know index numbers and its usage
	4. After studied unit - 4, the student will be able to know cost of living index and its applications
	5. After studied unit - 5, the student will be able to know theory and applications of demand analysis
PG	
23PSTAC11: Real Analysis and Linear Algebra	1. Get a Mathematical foundation in Real analysis and Matrix Theory.
	2. Get a clear idea about Riemann – Stieltjes integral.
	3. Understand concepts in matrix theory -rank and factorization, inverse of matrix, g-inverses and its applications matrix.
	4. Solve numerical problems and evaluate and interpret outcome.
	5. Analyze real life problems and explore research problems.
23PSTAC12: Sampling Methods	1. apply basics and advanced levels of sampling methods for different types of data.
	2. draw a conclusion about the best sampling procedure.
	3. use practical applications of ratio and regression method of estimations.
	4. analyse data from multi-stage sampling methods.
	5. estimate the hidden responses using randomized response techniques.
23PSTAC13: Distribution Theory	1. understand the knowledge on importance of the random variables and its role in the distribution theory.
	2. interpret the properties of special univariate continuous distributions, truncated normal distribution and few non-central distributions.
	3. explain the moments for the data come from the univariate and bivariate distributions.
	4. interpret the distributions of order statistics with regard to median, sample range and joint distribution of order two.
	5. understand the distributions of quadratic forms in normal random variable.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23PSTAE14-1: Categorical Data Analysis	1. Understand the concept of probability distribution most often used for categorical data.
	2. Identify and summaries categorical data into 2×2 and $r \times c$ contingency tables.
	3. Know the use of generalized liner models and generalized estimating equations.
	4. Understand the models for the binary response variables and to fit logistic regression.
	5. Building and applying conditional logistic regression model.
23PSTAE14-2: Population Studies	1. Understand the various sources of data in Demography and comprehend the basic concepts and definitions.
	2. Interpret the definitions in terms of fertility, mortality, migration and construction of life table.
	3. Analyze the Population Growth and fit the data using various models such as Arithmetic, Geometric, Exponential, Logistic.
	4. Relate the components of population change-fertility, mortality and migration, causes and consequences of change in the population.
	5. Explain the rates and ratios – Person years lived, Crude and specific rates.
23PSTAE15-1: Bayesian Inference	1. understand the knowledge on importance of the statistical decision theory.
	2. interpret subjective probability.
	3. explain the evaluation of the estimate in terms of posterior risk.
	4. understand the comparison of interpretation of the confidence co-efficient of an interval by Bayesian and frequentist methods.
	5. Understand the Bayesian testing of statistical hypotheses.
23PSTAE15-2: Clinical Trials	1. Acquire a deep understanding of the principles, concepts, and methods used in the design of clinical trials.
	2. Gain knowledge of the ethical considerations and regulatory guidelines governing clinical trials, including informed consent, participant protection, and data confidentiality.
	3. Develop proficiency in the statistical analysis techniques commonly employed in clinical trials.
	4. Learn about randomization methods and the importance of blinding in clinical trials to minimize bias and ensure the validity of study results.
	5. Develop the skills to effectively communicate clinical trial findings to both scientific and non-scientific audiences.
23PSTAC21: Estimation	1. understand the consistency, sufficiency and unbiasedness.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

Theory	2. understand the concepts and derive the uniformly minimum variance unbiased estimators.
	3. derive the inequality including CR inequality, KCR inequality and Bhattacharya inequality.
	4. estimate the parameter using method of moments, method of MLE, Interval estimation and shortest with confidence intervals.
	5. learn the concepts and to apply simple numerical illustration for loss function, risk function and Bayes estimate.
23PSTAC22: Measure and Probability Theory	1. Resolve problems that occur in the sequences of sets and classes of sets.
	2. Provide critical thinking in integrals and their application to probability theory.
	3. Evaluate, integrate and apply appropriate tools in probability and conditional probability.
	4. Demonstrate the ability to apply basic methods in analyzing the convergence in probability and r^{th} mean and its distribution and characteristics functions.
	5. Demonstrate critical thinking skills, such as problem solving using weak and strong law of large numbers and different forms of Central Limit Theorems.
23PSTAC23: Time Series Analysis	1. Structuring the time series data based on seasonal and non-seasonal nature
	2. Identifying the stationary of the time series
	3. Modeling time series using exponential methods and Box-Jenkins model
	4. Fitting time series model and evaluating goodness of fit
	5. Understand the MA, AR, ARMA, ARIMA models.
23PSTAE24-1: Actuarial Statistics	1. Understand the concept of mortality and construction of life table.
	2. Know the insurance policies and to compute the problems related to it.
	3. Learn the models of individual claims.
	4. Understand the nature of reverse and industrial assurance.
	5. Learn the concepts related to pension funds.
23PSTAE24-2: Simulation Analysis	1. Develop a comprehensive understanding of the fundamental principles and concepts underlying simulation analysis.
	2. Gain familiarity with a range of simulation techniques and methodologies used in modeling and analyzing complex systems.
	3. Develop the skills to create effective simulation models and design appropriate experiments to analyze system behavior.
	4. Learn how to apply optimization methods within the context of simulation analysis to optimize system performance or make informed decisions.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	5. Acquire hands-on experience with simulation software tools and develop proficiency in utilizing them to construct and analyze simulation models.
23PSTAE25-1: Survival Analysis	1. Expertise with various statistical lifetime models.
	2. Understand the concept of lifetime distribution.
	3. Understand the survival analysis.
	4. Estimate the survival function under the assumptions.
	5. Find the Hazard rate and functions.
23PSTAE25-2: Econometrics	Understand the various areas in econometrics and its model.
	2. Learn linear model and problem of multi collinearity and heteroscedasticity.
	3. Understand the concept of autocorrelation and economical forecasting.
	4. Knowledge on estimation and LIML.
	5. Understand the K-class estimators with its properties.
23PSTAS26: Statistics Practical-I (Practical)	1. Explain the role of sampling in industrial problems.
	2. Solving problems in unbiased estimator.
	3. Estimate the values of the parameters.
	4. Familiarize in drawing graphs of time series data.
	5. Gain the practical knowledge on time series model.
23PSTAC31: Testing of Statistical Hypothesis	1. To do Most Powerful test for randomized and nonrandomized test.
	2. To understand and classify unbiasedness and invariance concepts in testing.
	3. To understand theory of LR and SPRT testing and able to solve problems on it.
	4. To do numerical problems and able to get critical thinking to solve real life problems
	5. To create suitable statistical hypothesis and identify its testing procedure for real life problems.
23PSTAC32: MULTIVARIATE STATISTICAL ANALYSIS	1. explain and interpret the importance of data that comes from high dimensional setup using appropriate properties.
	2. draw inference based on multi-variate statistical analysis concerning mean vector and covariance matrix.
	3. reduce dimensions and identify factors from multi-dimensional data using principal component and factor analysis respectively.
	4. classify and assign a new item/object to any of the two or more populations using discrimination and classification.
	5. group variables or items that belongs to multi-dimensional data using cluster algorithms.
23PSTAC33: STATISTICAL QUALITY	1. Draw and obtaining results of various control charts.
	2. Study the Cusum, V-mask and moving average control charts.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

CONTROL	3. Understand the concepts of acceptance sampling plans and their functions.
	4. Apply the various sampling inspections in real life situations.
	5. Understand the various concepts of sampling plans and their applications.
23PSTAP34: STATISTICS PRACTICAL-II	1. Understand the concept of testing statistical hypotheses related to real life problems.
	2. Apply the multivariate statistical tests.
	3. Know the applications of multivariate estimations.
	4. Know the applications of statistical Quality Control.
	5. Solve the problems using real life data.
23PSTAE35-1: Operations Research	1. Understand application of Statistical and Mathematical concepts in Operations Research.
	2. Identify suitable method for solving optimization problems.
	3. Understand the different algorithms for solving quadratic programming problem.
	4. Apply Inventory models with and without shortage
	5. Solve the Forecasting methods using inventory models.
23PSTAS36: Computational Statistics Using Python	1. Gain ability to apply knowledge of python to the real life situation
	2. Build up programming , analytical and logical thinking abilities
23PSTAC41: DESIGN OF EXPERIMENTS	1. To understand analysis of variance and experimental designs.
	2. To have strong theoretical knowledge in Orthogonal Latin squares, Hyper Graeco Latin squares, factorial and fractional factorial experiments, PIBD, inter and intra blocks, split plot, analysis covariance.
	3. To understand clinical trial concepts and Response surface methodology.
	4. To do numerical problems and able to get critical thinking to solve problems.
	5. To choose suitable experiment and do it for real life problems.
23PSTAC42: STOCHASTIC PROCESSES	1. To equip their knowledge with theoretical and practical skills which are necessary for the analysis of stochastic dynamical system in economic, financial mathematics, engineering, business and other fields.
	2. To attain knowledge about stochastic process in the time domain such as Markov processes with a discrete state space, including Markov chains, Poisson processes and birth and death processes.
	3. To demonstrate the specific applications to Poisson and Gaussian processes.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	4. To carry out derivations involving conditional probability distributions and conditional expectations.
	5. To define basic concepts from the theory of Markov chains and present proofs for the most important theorems.
23PSTAE44: Statistics Practical-III*	1. Carryout the analyses for various basic experimental designs and interpretation.
	2. Apply the factorial experimental designs.
23PSTAS45: Computational Statistics Using R	1. Accessing and processing of data.
	2. Understanding the types, classes and functions of R programming.
	3. Conduct and interpret the variety of Hypothesis tests.
	4. Analyze the different types of data obtained from the real world.
	5. Understand, analyze and interpret ANOVA
23PSTAO: Statistics for Social Sciences	1. Know Partial and Multiple correlations.
	2. Know Probability and discrete distributions.
	3. Understand the Sampling technique, Hypothesis, Z-Test and t-test.
	4. Have the awareness about application of Chi- Square distribution.
	5. Know about Analysis of Variance and F-test.
23PSTAO: Statistics for Life Sciences	1. Know Partial and Multiple correlations.
	2. Know Probability and discrete distributions.
	3. Understand the Sampling technique, Hypothesis, Z-Test and t-test.
	4. Have the awareness about application of Chi- Square distribution.
	5. Know about Analysis of Variance and F-test.
23PSTAO: Optimization Techniques	1. Understand the linear programming problems.
	2. Analyse the transportation problems with different methods.
	3. Learn inventory models.
	4. Understand the concept of game theory.
	5. Apply network analysis practically.

VIS COM	
SUBJECT	COURSE OUTCOMES
23UVISC13: INTRODUCTION TO HUMAN	1. Define and differentiate between different types of communication, evaluate the impact of communication on society, and create effective communication strategies for different contexts.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

COMMUNICATION	2. Analyze communication processes and barriers, synthesize solutions to overcome communication barriers, and evaluate the effectiveness of communication strategies in real-world scenarios.
	3. Apply nonverbal communication and active listening skills to improve interpersonal relationships, evaluate the effectiveness of communication skills in relationships, and create communication plans for building and maintaining professional relationships.
	4. Evaluate different communication styles and their effectiveness in managing conflicts, design and implement effective conflict resolution strategies, and evaluate the effectiveness of negotiation strategies in different contexts.
	5. Develop and deliver persuasive public speeches and presentations, integrate appropriate technology tools to enhance the impact of the message, and evaluate the effectiveness of public speeches and presentations in real-world scenarios.
23UUVISC14: VISUAL ARTS AND AESTHETICS	Course Outcomes:
	1. Identify and describe the different styles and movements in art history.
	2. Develop critical thinking skills in analyzing and interpreting artworks.
	3. Demonstrate the ability to communicate ideas and emotions through art.
	4. Engage in constructive critique and feedback of one's own and others' artwork.
5. Recognize the significance of art in contemporary society and its impact on cultural and social issues.	
23UUISEP1: (GENERIC/DISCIPLINE) GRAPHIC DESIGN AND TYPOGRAPHY PRACTICAL	
23UUIVIF17: DIGITAL DRAWING AND PAINTING PRACTICAL	1. Create digital paintings and drawings using various painting techniques, software tools, and custom brushes.
	2. Analyze and evaluate digital paintings and drawings and identify the elements of perspective, color, texture, and lighting used in the artwork.
	3. Develop advanced skills in compositing, camera projection, and special effects using third-party software and compositing techniques.
	4. Synthesize their learning by designing and completing practical exercises in digital paintings and drawings, including creating a photo-realistic environment, a transition from day to night, and creating a concept environment.
	5. Apply critical thinking and problem-solving skills to develop original and creative digital paintings and drawings that demonstrate an understanding of the principles and techniques covered in the course.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UVISC23: UNDERSTANDING VISUAL COMMUNICATION	1. Analyze and evaluate visual elements and messages in different media forms and contexts, demonstrating an advanced understanding of visual communication concepts and principles.
	2. Apply the principles of design and visual communication to create effective and ethical visual communication, considering the needs and goals of specific audiences and contexts.
	3. Demonstrate an advanced understanding of the role of visual communication in shaping cultural, social, and political narratives, and analyze the use of visual images in different contexts to inform and persuade audiences.
	4. Synthesize knowledge and skills related to visual communication, including visual literacy, design principles, and ethical considerations, to develop a final project that effectively communicates a narrative concept.
	5. Evaluate the impact and effectiveness of visual communication, considering the social, cultural, and ethical implications of the use of visual images and messages, and apply this knowledge to their own visual communication practices.
23UVISP24: PRACTICAL –I PHOTOGRAPHY AND VIDEOGRAPHY	1. Students will be able to describe the key technical and creative concepts in photography and videography.
	2. Students will be able to operate cameras and utilize equipment proficiently to achieve photographic and videographic effects.
	3. Students will be able to apply appropriate techniques for photographing and filming different subjects, scenes, and styles.
	4. Students will be able to evaluate and critique photographs and videos for visual effectiveness and quality.
	5. Students will be able to create visually compelling photographs and short videos by synthesizing skills and concepts from the course.
23UVISE25: (GENERIC/DISCIPLINE SPECIFIC) PUBLICATION DESIGN (PRACTICAL)	1. Demonstrate an understanding of the concepts and principles of publication design and advertising design, and analyze how they are applied to create effective designs for various media.
	2. Create original designs using basic design principles such as composition, layout, typography, and color theory in various media formats such as print and digital media.
	3. Utilize software and tools such as Adobe InDesign, Illustrator, and Photoshop to design and create effective publications, advertising materials, and illustrations.
	4. Evaluate the effectiveness of designs in terms of layout, composition, typography, and color palette selection, and make recommendations for improvement.
	Develop and present advertising campaigns and materials that meet the needs of a specific target audience, convey a message, and drive a call to action.
23UVISN16: DIGITAL STORYTELLING AND	1. Learners can express ideas fluently in standard screenwriting formats.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

SCRIPTWRITING PRACTICAL	2. Learners will be able to craft characters – based stories with clear conflicts at an advanced level
	3. Learners will be able to analyse film and television structure
	4. Learners will be able to work with their creative ideas – input in writing full-length scripts
	5. Learners can understand how to write scripts for special budget
23UVISN26: IMAGE EDITING AND COLOR MANAGEMENT (PRACTICAL)	1. Demonstrate a comprehensive understanding of digital photography principles and the importance of photo editing, and apply this knowledge to produce high-quality digital images.
	2. Utilize a range of photo editing software and tools to manipulate digital images, and demonstrate proficiency in basic and advanced photo editing techniques, including color correction, retouching, and composition.
	3. Apply critical thinking and problem-solving skills to analyze and address common issues in digital images, such as color imbalances, exposure problems, and lens distortion.
	4. Apply color management principles to achieve consistent and accurate color profiles across different output formats, including print and web.
	5. Develop a strong creative vision for digital image editing, and demonstrate the ability to create unique and compelling images using a range of creative techniques, such as selective color grading and split toning.
23UVIS33-CORE-VMultimedia Technologies and Standards (Theory)	1. Students will be able to describe the fundamental concepts of multimedia technologies and standards.
	2. Students will be able to differentiate between different file formats used in multimedia.
	3. Students will be able to create and manipulate multimedia content using authoring tools.
	4. Students will be able to analyze the impact of multimedia technologies on society.
	5. Students will be able to predict future trends and developments in multimedia technologies.
23UVISP34-CORE-VIAudio-Visual Editing (Practical)	1. Create professional-level audio and video projects using Audacity and DaVinci Resolve (Creation)
	2. Synthesize audio and video editing techniques to create unique projects (Synthesis)
	3. Utilize advanced audio and video editing tools and techniques (Utilization)
	4. Compare and contrast different audio and video editing techniques (Comparison)
	5. Design audio and video projects that meet industry standards (Design)



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UVISE35 2D and 3D Modelling (Practical)	1. Demonstrate a proficiency in Blender's interface, tools, and navigation, and apply this knowledge to create and edit 2D and 3D objects with various modifiers and transformations.
	2. Develop a comprehensive understanding of rendering techniques, including lighting and camera settings, and use this knowledge to create high-quality output for different projects.
	3. Apply advanced modelling techniques, including particle systems, constraints, and armatures, to create realistic animations and simulations, and demonstrate a mastery of the skills needed to bring these models to life.
	4. Create interactive 3D content using Blender's game engine, motion tracking, and compositing tools, and integrate 3D elements into real-life footage to produce professional-quality video content.
	5. Design and execute a final project that showcases the skills and techniques learned throughout the course, demonstrating an ability to apply critical thinking and creativity to 2D and 3D modelling and animation projects.
23UVISS36-SE-4 Multimedia Content Packaging (Practical)	1. Create a professional quality multimedia package that adheres to industry standards.
	2. Assess the effectiveness of a multimedia package in meeting communication objectives.
	3. Compare traditional methods of presenting information with multimedia presentation techniques.
	4. Evaluate multimedia packages for accuracy, validity, and credibility.
	5. Integrate multimedia into existing educational settings.
23USEC37-SE-5 Design Thinking (Theory)	1. Adopt a problem solving mindset to reframe design challenges
	2. Enumerate and select appropriate design thinking approach for specific design problem
	3. Use design thinking tools and methods to solve real-world problems
	4. Apply design thinking principles to develop plan of action and wireframe for specific problem domain
	5. To create prototypes for specific design problem using available design tools and apps.
23UVISC43 CORE-VIII Film Appreciation and Analysis (Theory)	1. Explain key concepts and critical terms used in film production, analysis and appreciation.
	2. Compare mainstream, alternative, narrative and non-narrative film forms.
	3. Analyze the narrative, technical, ideological and cultural aspects of films.
	4. Discuss the role of film as a medium of cultural expression and its influence on society.
	5. Apply diverse approaches to film analysis and generate independent interpretations of films.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UVISP44 CORS - VIII Animation and Character Design (Practical)	1. Recall the fundamental principles of animation and character design and apply them to their own work.
	2. Understand the different types of animation techniques and their applications, as well as the principles and techniques of character design.
	3. Apply animation and character design techniques to create a variety of projects, including short animations, motion graphics, and character designs.
	4. Analyze and evaluate the effectiveness of different animation and character design techniques in creating engaging and dynamic characters and animations.
	5. Create original and creative animations and character designs that demonstrate a mastery of the principles and techniques covered in the course. Students will be able to innovate and experiment with animation and character design techniques to create unique and visually compelling works that showcase their individual style and creativity.
23UVISE45 ELECTIVE-IV Compositing and Visual Effects (Practical)	1. Apply a range of keying techniques and refine mattes to create clean and accurate composites.
	2. Create realistic composites by integrating CGI elements with live-action footage and performing color correction and camera effects.
	3. Use technical terminology related to compositing and VFX to effectively communicate with team members and clients.
	4. Utilize advanced compositing techniques, such as stereoscopic compositing and deep compositing, to create complex and visually stunning composites.
	5. Develop a professional portfolio and demo reel showcasing their compositing and VFX skills, while adhering to ethical and responsible practices within the industry.
23UVISS46 SE-6Script Writing and Storyboard Development (Practical)	1. Students will be able to develop and structure a story.
	2. Students will be able to write a script that effectively conveys a story.
	3. Students will be able to analyze and evaluate their own stories and scripts and those of others, and identify areas for improvement.
	4. Students will be able to apply their understanding of story development and scriptwriting by developing a storyboards for their scripts
	5. Students will be able to create a professional-quality story and script using storyboards make a pitch for wider acceptance and production
23UVISS47-SEC-7 Digital Skills for Employability(PRACTI AL)	1. Produce and manage professional documents in Word, utilizing advanced features to enhance readability and collaboration.
	2. Analyze and report data effectively in Excel, employing complex formulas, functions, and visualization tools.
	3. Create persuasive and engaging presentations in PowerPoint, incorporating



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	advanced design and animation techniques.
	4. Design, implement, and manage databases in Access with advanced functionalities,
	improving data handling and reporting.
	5. Optimize email, calendar, and task management in Outlook, customizing the
	application to streamline personal and team productivity.
23UVISC51 CORE-IX Advertising and Brand Communication (Theory)	1. Students will be able to develop and structure a story.
	2. Students will be able to write a script that effectively conveys a story.
	3. Students will be able to analyze and evaluate their own stories and scripts and those of others, and identify areas for improvement.
	4. Students will be able to apply their understanding of story development and scriptwriting by developing a storyboards for their scripts
	5. Students will be able to create a professional-quality story and script using storyboards make a pitch for wider acceptance and production
23UVISC52 CORE-X User Experience Design (Theory)	1. Analyze and evaluate user needs and expectations to inform the design of effective and engaging user experiences.
	2. Design and develop user interfaces that meet project goals and objectives, utilizing principles of user-centered design, information architecture, and interaction design.
	3. Apply psychological principles to design intuitive and user-friendly interfaces that meet the needs of different user groups and contexts.
	4. Conduct effective user research and usability testing to evaluate the effectiveness of user experiences and inform design decisions.
	5. Communicate and collaborate effectively with team members and stakeholders to achieve project goals and deliver user-centered designs that meet user needs and expectations.
23UVISP53 CORE-XI Advanced 3D Texturing and Sculpting (Practical)	1. Demonstrate advanced 3D sculpting techniques and create detailed sculptures for various industries.
	2. Apply procedural modeling techniques to create complex models, textures, and materials for various projects.
	3. Utilize geometric nodes to create complex shader networks, particle systems, fluid simulations, and crowds.
	4. Develop optimized texturing, shading, modeling, animation, lighting, and rendering pipelines for efficient project management.
	5. Create and demonstrate advanced workflows for sculpting, texturing, modeling, shading, animation, lighting, and rendering using industry-standard tools and software.
23UVISD54 PROJECT WITH VIVA VOICE	1. The students gain noteworthy knowledge in documentary making.
	2. The students will be able to understand the script work and field experience.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UWISE55 ELECTIVE - V Immersive Media Design (Theory)	1. Evaluate the impact of immersive media design on society (Bloom's Taxonomy: Evaluation)
	2. Analyze the ways in which different technologies can be used to create immersive media experiences (Bloom's Taxonomy: Analysis)
	3. Identify key components of immersive media design (Bloom's Taxonomy: Knowledge)
	4. Create a prototype of an immersive media design project (Bloom's Taxonomy: Creation)
	5. Apply best practices and principles of design to an immersive media project (Bloom's Taxonomy: Application)
23UVISI58 SUMMER INTERNSHIP	1. Apply theoretical knowledge gained in the classroom to a practical work environment.
	2. Demonstrate employability skills required for entry-level roles in chosen media fields.
	3. Produce a comprehensive report evaluating an internship experience from a professional development perspective.
	4. Develop a broader understanding of the media industry and specific occupations through direct participation.
	5. Build a professional network to support future career opportunities in the media.
23UVIS61 CORE-XIII Media Culture in Tamil Nadu	1. Summarize the historical development of Tamil language, writing, and storytelling traditions, and their influence on media evolution in Tamil Nadu.
	2. Differentiate between various forms of media, such as performing arts, print, and film, and explain their impact on Tamil Nadu's cultural, political, and social landscape during the colonial and post-colonial periods.
	3. Evaluate the contributions of prominent Tamil poets, journalists, and media personalities in advocating for social justice and driving change in the region.
	4. Describe the development of Tamil TV, radio, and digital media, highlighting their influence on the contemporary Tamil media landscape and global audiences.
	5. Synthesize knowledge of the Media Culture in Tamil Nadu to form a comprehensive understanding of the current state of media convergence in the region, encompassing cinema, television, OTT platforms, and mobile technologies.
23UVIS62 CORE-XIV Media Entrepreneurship (Theory)	1. Analyse the media landscape and identify opportunities for a media start-up (Understand)
	2. Evaluate the potential viability of a media start-up idea and business model (Evaluate)



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<ol style="list-style-type: none">3. Create a business plan, marketing plan and budget for a media start-up (Create)
	<ol style="list-style-type: none">4. Implement strategies to launch and promote a media start-up (Apply)
	<ol style="list-style-type: none">5. Analyse and evaluate financial and marketing strategies for managing and growing a media start-up (Analyse)
23UVISP63 CORE-XV Extended Reality Design (Practical)	<ol style="list-style-type: none">1. Develop technical proficiency in creating immersive Extended Reality experiences using Unreal Engine and Unity, demonstrated through the ability to create interactive applications, environments, and games.
	<ol style="list-style-type: none">2. Evaluate and compare different approaches and techniques for creating engaging VR, AR, MR, and PR applications and environments, demonstrated through analysis and reflection on project outcomes.
	<ol style="list-style-type: none">3. Create complex and realistic 3D models, animations, audio, and physics-based interactions for Extended Reality experiences, demonstrated through the creation of high-quality, interactive content.
	<ol style="list-style-type: none">4. Synthesize knowledge of Extended Reality tools and technologies to develop interactive applications and games that utilize cutting-edge technologies, demonstrated through the creation of original, creative projects that utilize advanced features and techniques.
	<ol style="list-style-type: none">5. Apply problem-solving and critical thinking skills to troubleshoot and debug Extended Reality applications, and deploy them to various platforms, demonstrated through the ability to independently identify and solve technical challenges in the development process.
23UVISE64 ELECTIVE - VII Capstone Project (Practical)	<ol style="list-style-type: none">1. Ability to understand the trends and demands of the media industry and to work independently in assigned projects
	<ol style="list-style-type: none">2. Ability to fine tune their media skills and prepare to be industry-ready
	<ol style="list-style-type: none">3. Ability to generate, analyse content/data from various sources and convert them to publishable media content
	<ol style="list-style-type: none">4. Ability to work seamlessly with experienced media professionals meeting the rigours of the industry.
	To produce an independent project as the culmination of their training and knowledge showcasing their specialization and specific interest covering contemporary themes/issues
23UVISE65	
23UVISE65 Virtual Production (Theory)	<ol style="list-style-type: none">1. Create real-time video content that meets the technical and creative requirements for Real- Time Video Content Production.
	<ol style="list-style-type: none">2. Analyze and evaluate the use of real-time content in different applications, including LED stages/volumes, XR stages, and modern green screens.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<ol style="list-style-type: none">3. Design and execute real-time content production projects, including client planning, budgeting, and schedule planning.4. Collaborate effectively with different departments and teams in real-time content production, including scenic design/art department/virtual art department, lighting design, and audio.5. Evaluate emerging technologies and industries in real-time content production, and identify opportunities for innovation and growth in Real-Time Video Content Production.
23UVISF66: PROFESSIONAL COMPETENCY SKILL Cybersecurity Training for Media Professionals (Theory)	<ol style="list-style-type: none">1. Describe the importance of cybersecurity in the media industry.2. Identify the essential components of cybersecurity.3. Analyze the cybersecurity threat landscape and assess potential risks.4. Evaluate different types of cybercrime and their impact on the media industry.5. Create a comprehensive cybersecurity plan and crisis management strategy.

TAMIL	
SUBJECT	COURSE OUTCOMES
Part-III: Core –I , இக்கால இலக்கியம் (23UTAMC13)	<ol style="list-style-type: none">1. கவிதைகள் காலந்தோறும் கட்டமைப்பை மாற்றிக்கொள்ள வேண்டியதன் அவசியத்தையும் அதன் உருவாக்க உத்திகளின் மாறுபாட்டையும் தெரிந்துகொள்ளல்.2. கதை இலக்கியங்கள் சமுதாய இயங்குதளத்துடன் கொண்டிருக்கும் தொடர்பை விளங்கிக்கொள்ள வைத்தல்.3. சிறுகதை,புதினம் போன்ற இலக்கியவடிவங்கள் மேலைநாடுகளின் வருகையாக இருப்பினும் இன்றைய இலக்கிய உலகில் மேலைநாடுகளுக்கே சவால் விடுகின்ற நிலையில் வளர்ச்சி பெற்றிருப்பதை ஆய்ந்தறிய வைத்தல்.4. உரைநடைஇலக்கியங்கள் மக்களோடு கொண்டிருக்கும் மிகநெருக்கமான உறவை பாடப்பகுதிகளால் புரியவைத்தல்.5. இக்கால இலக்கியங்கள் இன்றைய சமுதாயப் பிரச்சனைகளை முன்வைப்பதற்கும் முடிவுகாண்பதற்கும் சிறந்த வழித்தடங்கள் என்பதை உணரவைத்து அதன்வழி படைப்பாக்கத்திறனை ஊக்குவித்தல்.
Part-III-Elective - I - (23UTAME15)தமிழக வரலாறும் பண்பாடும்	<p>CO 1 - இனம், வரலாறு ஆகியவற்றின் அடிப்படைகளைப் புரிந்துகொள்வர். - K2</p> <p>CO 2 – சமயம், கலை, பண்பாட்டுத் தளங்களில் தொழிற்படும் காரணிகள், விளைவுகள் ஆகியவற்றை அறிவர் - K2, K4</p> <p>CO 3 - தமிழரின் பழக்கவழக்கங்களின் ஏற்பட்ட மாற்றங்களை அறிவர். K2</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	CO 4 - சமூகத்தாக்கத்தினால் உண்டான பண்பாட்டு மாற்றங்களை ஆராயமுற்படுவர். -K4, K5
	CO 5 – பழந்தமிழர் கலைகளை மீட்டுருவாக்கம் செய்வதன்அவசியத்தை உணர்வர் - K6
Part-IV-Skill Enhancement Course - I - (23UTAMF17) அடிப்படைத் தமிழிலக்கணம்	மொழிகையாளும் திறனைப்பெறுதல்
	சிறுகுறிப்புகள் கட்டுரை எழுதுதல் நுட்பங்களும், சூழலுக்கு ஏற்பமனதளவில் ஆயத்தமாகுதலையும் அறிவர்
	இலக்கணகுறிப்புகளைத்தேர்ந்தெடுத்தல், முறைப்படுத்தல்
	எழுத்தாளராக, பொழிஞராக, நல்லஆளுமையாளராகஉயர்தல்
	தனித்தன்மைஉடையராய்ஆதல்.
Part – III, Core Course - IV தமிழிலக்கிய வரலாறு- 23UTAMC24	சங்கஇலக்கியங்கள்பற்றிஅறிந்துகொள்வர்
	அறஇலக்கியங்கள்பற்றிஅறிந்துகொள்வர்
	காப்பியங்கள், சிற்றிலக்கியங்கள்குறித்துத்தெரிந்துகொள்வர்
	பக்திஇலக்கியங்கள்பற்றித்தெளிவுபெறவர்
	ஆங்கிலேயரின் வருகைக்குப் பின்னர் வளர்ந்த இலக்கியங்கள் , நாடகவளர்ச்சிஆகியனபற்றித்தெரிந்துகொள்வர்
Part-III- Elective - II - (23UTAME25) தமிழ்மொழி வரலாறு	தமிழ்மொழியின்தொன்மைமற்றும்இனப்பாகுபாடுகளை அறிதல்
	CO 2 தமிழ்நாகரீ கத்தின் அடையாளம் திராவிட மொழிக் குடும்பங்கள் மொழியின் சிறப்புகள் மாற்றங்கள் ஆகியவற்றை அறிதல்
	தமிழ்மொழியின் அறிவியல் பண்புகளை அறிதல்
	தமிழ், வட மொழிமொழிகுடும்பங்களின்தனித்துவத்தைஅறிதல்
	அறிவியல் அடிப்படையில்மொழிகுறித்தஆய்வில்ஈடுபட வழிவகுத்தல்
Part-IV-Skill Enhancement Course - 1 (NME-I)	மொழிதையாள்திறனைப்பெறுதல்
	தகவல்திரட்டுதல்நுட்பங்களும் ,சூழலுக்குஏற்பமனதளவில் ஆயத்தமாகுதலையும்அறிவ



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

பேச்சுக்கலைத்திறன் (23UTAMN16)	ர்
	குறிப்புகளைத்தேர்ந்தெடுத்தல், முறைப்படுத்தல்
	பொழிஞ்சுராசு, நல்லஆளுமையாளராகஉயர்தல்
	தனித்தன்மைஉடையராய்ஆதல்.
Part-IV-Skill Enhancement Course – 2 (NME-II) அறிவியல்தமிழ் (23UTAMN26)	தாய்மொழிவழியாகஅறிவியல்பற்றிசிந்தித்துசெயலாற்றும்திறன்பெற்றிருப்பர்.
	தாய்மொழிவழியாகஅறிவியல்பற்றிசிந்திக்கவும்செய்திருப்பர்.
	அறிவியல்கலைச்சொல்லாக்கம்பற்றிஅறியச்செய்வர்
	அறிவியல்தொழில்நுட்பயுகத்தின்வளர்ச்சிபற்றிஅறிந்திருப்பர்
	அறிவியல்வளர்ச்சியில்தகவல்தொழில்நுட்பத்தின்பங்குபற்றிஅறிந்துகொள்வர்
23UTAMC33:பக்தி இலக்கியங்கள்	தனிமமனித ஒழுக்கத்தில் மேம்பாடு அடைதல்.
	அற இலக்கியங்கள் தோன்றுவதற்கான சூழலை அறிதல்.
	சமூக ஒழுங்கமைப்பிற்கு அற இலக்கியங்களின் தேவையை அறிதல்.
	தமிழர்களின் வாழ்வியல் இலக்கணத்தை அறிந்துகொள்ளுதல்
	அறக்கோட்பாடுகளை அறிந்து கொள்வர்
23UTAMC34:நன்னூல்-எழுத்ததிகாரம்	தமிழ் மொழியைப் பிழையில்லாமல் பேசவும் எழுதவும் அறிதல்
	தமிழ் எழுத்துக்களின் பிறப்பினை அறிதல்.
	தமிழ் இலக்கண மரபினை அறிந்து கொள்ளுதல்.
	சொல் பொருள் வேறுபாட்டினை உணர்தல்.
	போட்டித்தேர்வுகளில் கலந்து கொள்ளும் திறனைப் பெறுதல்.
23UTAME35:தமிழ் அழகியல் -Elective - III	தமிழ் அழகியலின்வழி நுண்ணுணர்வுத் திறனை வளர்த்துக் கொள்வர்
	படைப்பாக்கத் திறனை மேம்படுத்திக் கொள்வர்
	தமிழ் இலக்கியங்களை அழகியல் கண்ணோட்டத்துடன் அணுகி பயன்பெறுவர்



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>சிற்பம் ஓவியம் போன்ற நுண்கலைகளை இலக்கியத்தோடு தொடர்புபடுத்தி அறிந்து பயன் பெறுவர்.</p> <p>கலைகளுக்கும் நுண்கலைகளுக்கும் உள்ள தொடர்பை அறிந்து அழகியல் தொடர்பாக இன்றியமையாத இடங்களுக்குச் சென்று கலைக்கூடங்களைக் கண்டு பயன்பெறுவர்</p>
23UTAMS36:தொழில் முனைவுத் தமிழ்-Skill Enhancement Course – IV	தொழில் முனைவு பற்றி அறிந்து கொள்வர்
	தொழில் முனைவோருக்கான தகுதிகளை வளர்த்துக்கொள்வர்
	தொழில் தொடங்குவதற்கான வாய்ப்புகளை அறிந்து கொள்வர்
	திட்ட மதிப்பீடு தயாரித்தல் பற்றி அறிவர்
	தொழில் தொடங்க உதவும் நிதி ஆதாரங்களை அறிவர்
Skill enhancement Course-V - 23UTAMS37:ஊடகவியல்	ஊடகம் பற்றி அறிந்து கொள்வர்
	அச்சுஊடகம் பற்றி அறிந்து கொள்வர்
	காட்சி ஊடகம் பற்றித் தெரிந்துகொள்வர்
	குரல் ஊடகம் பற்றி அறிந்து கொள்வர்
	திரை ஊடகம் பற்றித் தெரிந்து கொள்வர்
23UTAMC43:Core – VII - காப்பியங்கள்	காப்பிய இலக்கியங்கள் தோற்றமும் வளர்ச்சியும் குறித்து அறிந்து கொள்ளுதல்
	சிலப்பதிகாரம் புகார் கண்டத்தில் காணப்பெறும் காப்பிய நயங்களையும் உத்தி முறைகளையும் காணுதல்
	கம்பராமாயணம் பெரிய புராணம் தேம்பாவணி உள்ளிட்ட காப்பியங்களின் காப்பிய இயல்புகளை அறிதல்
	காப்பியங்களின் கதை எடுப்பு தொடுப்பு முடிப்பு ஆகிய உத்திகளை கற்றறிதல்
	காலத்திற்கு ஏற்ப குறுங்காவியங்கள் படைக்கும் திறனை வளர்த்துக் கொள்ளுதல்
23UTAMC44:நன்னூல் –	இடைக்கால இலக்கண மரபுகளை அறிவர்
	சொல் வகைகள், அமைப்பு பற்றி அறிவர்



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

சொல்லதிகாரம்	மொழியின் வழு, வழுவின்மை ஆகியவற்றை உணர்ந்திருப்பர்
	மொழிப் பனுவலைப் பகுத்தாயும் திறன் பெற்றிருப்பர்
	இடைக்கால இலக்கியங்களின் மொழி அமைப்பைப் புரிந்து கொள்ளும் ஆற்றல் பெற்றிருப்பர்.
Elective – IV :23UTAME45:திராவிட மொழிகளின் ஒப்பிலக்கணம்	திராவிட மொழிகள் பற்றித் தெரிந்துக் கொள்வர்.
	திராவிட மொழிகளின் இலக்கணத்தை ஒப்பிட்டு அறிவர்.
	தமிழ்ச் செம்மொழி என்ற நிலைப்பாட்டிற்கான ஆதாரங்களை உணர்வர்
	திராவிட மொழிகளின் வேர்ச்சொற்களை இலக்கண நோக்கில் அறிவர்.
	இலக்கணம் குறித்துப் பரந்துபட்ட அறிவும் ஒப்பிடும் சிந்தனையும் பெறல்
Skill Enhancement Course – 6:23UTAMS46:அகராதி தியியல்	அகராதி வரலறு விளக்கப் பெறல் நிகண்டு எனும் வகையின் அக்கால பயன்பாட்டை விளக்கிக் கூறுவதன் மூலம் நினைவுகூர்தல் ,அகராதி வகைகளை விளக்குதலும் அதன் பயன்களை புரிந்து உணர்த்துதலும் உணர்த்தலும்.
	அகராதி உருவாக்கப் படிநிலைகள் மாணவர்களுக்கு உணர்த்தப் பெறல், தெளிதல், அகராதித் திட்டம், சொற் தெரிவு பதிவு போன்றவற்றை விளக்குதல்.
	இதில் பதிப்புப் பணியில் கூறுகள் தெரிவு செய்யப்படுகின்றன.அகராதியின் பதிவுக் கூறுகளான கலைச்சொற்கள், இலக்கணக் குறிப்பு,இனமொழி சொற்கள், மேற்கோள் போன்றவை பிரிக்கப்பெற்று தெளிவுபடுத்தப்படுகின்றன.
	அகராதி வகையின் பொதுநிலை உணர்த்திப் பின் சிறப்பு நிலையில் அகராதி வகைகளின் விரிவாக்கத்தைப் பொருத்திப் பார்த்து உணர்த்துதல்



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>அகராதியின் அச்சுப்படித் தயாரிப்பு உணர்த்தப்பெறுகிறது. சொல் வரிசை, அகர வரிசை, ஒருபொருள் பல சொல், பலபொருள் ஒருசொல், ஒப்புருசொல் போன்றன விரிவாக விளக்கப்படுகின்றன. எனவே அகராதி உருவாக்கத்தை உணர்வர்.</p>
<p>Skill Enhancement Course - 7:23UTAMS47:மொழி பெயர்ப்புக்கலை</p>	<p>மொழிபெயர்ப்பு வளர்ச்சி நிலையினை அறிந்து கொள்ளல். மொழிபெயர்ப்பின் வகைகளைப் பகுப்பாய்வு செய்தல் மொழிபெயர்ப்பாளரின் தகுதிகளை மதிப்பீடு செய்தல் மொழிபெயர்ப்புக் கோட்பாட்டினைப் புரிந்து கொள்ளல் மொழிபெயர்ப்பாளராக உருவாகுதல்</p>
<p>23UTAMC51:Core – IX: இலக்கணம் – பொருள் இலக்கணம்</p>	<p>பொருள் இலக்கணம் பற்றி அறிந்து கொள்வர் அக மரபினை அறிந்துகொள்வர் அகத்திணைக் கோட்பாடும் திணைக்கோட்பாடும் பற்றி அறிந்துகொள்வர். புறத்திணை மரபினையும் பண்டைய காலப் போர் முறையினையும் அறிந்துகொள்வர் புறத்திணைக் கோட்பாட்டினை அறிந்துகொள்வர்</p>
<p>23UTAMC52:சங்க இலக்கியம் அகம் பகுதி – 1</p>	<p>பண் அடிப்படைத் தமிழ் இலக்கியங்களை அறிவர் அகம் மற்றும் புறப்பொருள் குறித்துத் தெரிந்துகொள்வர் பண்ட அடிப்படைத் தமிழ் அக, புறப்பாடல்களை கற்கப்பழகுவர் அக, புற அடிப்படைப் புறப்பாடல்களின் தன்மையை அறிந்துகொள்வர் செம்செம்மொழித்தமிழ் என்பதற்கான தன்மையை அறிவர்</p>
<p>23UTAMC53:இலக்கியத் திறனாய்வு</p>	<p>தமிழ்த் திறனாய்வு முறைகளை அறிந்துகொள்வர் திறனாய்வு அணுகுமுறைகளையும் அறிவர் திறனாய்வுக் கோட்பாடுகளை அறிந்துகொள்வர் அயல் நாட்டுத் திறனாய்வு அணுகுமுறைகளை அறிவர். இயக்கம் சார்ந்த திறனாய்வு முறைகளை அறிந்துகொள்வர்</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UTAME55:நாடகவி யல் :ELECTIVE – V விருப்பப்பாடம்	நாடகத் தோற்றம் வளர்ச்சி அறிந்து கொள்ளுதல்.
	தமிழ் நாடக ஆசிரியர்களின் வாழ்வியலைப் புரிந்து கொள்ளல்
	நாடகத்தின் வகைகளைப் பகுப்பாய்தல்
	மாணவர்களின் நடிப்புத் திறனை வளர்த்தல்
	நாடக ஆசிரியராக உருவாகுதல்
23UTAME56:தமிழரி ன் மேலாண்மைச் சிந்தனைகள்:ELECTI VE – VI விருப்பப்பாடம்	தமிழர்களின் மேலாண்மைச் சிந்தனைகளையும் பயன்படுத்தி வாழ்வில் வெற்றி காணல்.
	ஆளுமைத் திறனைப் பெறுதல்
	நிதி ஆள்கை பற்றிப் புரிந்துகொள்ளுதல்
	மனித வளங்களைச் சரிவரக் கையாளுந்திறன் பெறுதல்
	சுயதொழில் செய்யவோ / தலைமைச் செயல் அலுவலராக வளரவோ இப்பாடப்பகுதி உதவும்
23UTAMC61:இலக்க ணம் -யாப்பும அணியும்	யாப்பிலக்கணத்தின் உறுப்புகளைப் பற்றிய வரையறைகள், வகைகள் ஆகியவற்றைப் புரிந்து கொள்ளல்
	வெண்பா,, ஆசிரியம், கலி, வஞ்சி, மருட்பா உள்ளிட்ட பாக்கள் அதன் பால் இனங்களை கற்றுக்கொண்டு படைப்புகளை மேற்கொள்ள முயலுதல்
	இலக்கியங்களை உருவாக்கும் போதும் சுவைக்கும் போதும் யாப்பிலக்கண அறிவு அவசியமானது என்பதை அறிந்து பயன்படுத்துதல்
	அணி இலக்கணம் மரபாக வளர்ச்சி பெற்ற நிலைகள் குறித்து அறிந்து கொள்ளுதல்.
	பழந்தமிழ் நூல்களில் புதைந்துள்ள அணிகளைச் சுவைப்பதற்கும் ஆராய்வதற்கும் பயிற்சி அளித்தல்
	பழந்தமிழரின் அழகியல் உணர்வுகளைத் தண்டி அலங்காரம் வழிப் புரிந்து கொள்ளுதல்.கற்றுக்கொண்ட அணிகளை மரபுக் கவிதை புதுக்கவிதை உரைநடை ஆகியவற்றில் பயன்படுத்தும் மொழி ஆற்றலைப் பெறச் பெறுதல்
	பண்டைத் தமிழ் இலக்கியங்களை அறிவர்
	23UTAMC62: Core – XIV



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

-சங்கஇலக்கியம் (புறம்)	அகம் மற்றும் புறப்பொருள் குறித்துத் தெரிந்துகொள்வர்
	பண்டைத்தமிழ் அக,புறப்பாடல்களை கற்கப்பழகுவர்
	பண்டைத்தமிழ் அக,புறப்பாடல்களின் தன்மையை அறிந்துகொள்வர்
	செம்மொழித்தமிழ் என்பதற்கான் தன்மையை அறிவர்
23UTAMC63: Core 15 – நாட்டுப்புறவியல்	நாட்டுப்புற இலக்கியங்களின் சிறப்பை உணர்தல்,
	நாட்டுப்புற இயக்கியங்களின் அடிப்படைப் பண்புகளைத் தெரிந்துகொள்வர்.
	நாட்டுப்புற இலக்கியங்களில் உள்ள சமுதாயப் பதிவுகளை அறிதல்
	நாட்டுப்புற கலை பண்பாடு பற்றி அறிதல்
	விடுகதை, பழமொழி முதலியன பற்றித் தெரிந்துகொள்வர்
23UTAME64: Elective - VII - செம்மொழித்தமிழ்	செம்மொழிகளின் வரலாற்றினை அறிந்து கொள்ளல்
	உலக, இந்தியச் செம்மொழிகளை அடையாளம் காணல்
	செம்மொழித்தமிழ் இலக்கிய, இலக்கணங்களை அறிவதன் வழிமொழி ஆளுமை பெறல்
	தமிழ்ச் செம்மொழியினைப் பிற செம்மொழிகளுடன் ஒப்பிட்டு அறியும்
	ஆற்றல் பெறல்
	பயன்பாட்டில் தமிழ் மொழிக்கான தனியிடத்தை உருவாக்குதல்
23UTAME65: Elective - VIII:கோயிற்கலை	கோயில்களின் தொடக்ககால வரலாற்றினைத் தெரிந்து கொள்வர்.
	கோயில்களின் கட்டுமான வரலாற்றை அழகியல் உணர்வுடன் புரிந்து கொள்வர்.
	கோயில்கள் பல்புறக் கலைகளை வளர்க்கும் இடம் என்பதை உணர்ந்து கொள்வர்.
	கோயில் வழிபாட்டு முறைகள், சடங்குகள் ஆகியவற்றை தெரிந்து கொள்வர்.
	கோயில் நிர்வாகம் சார்ந்த செயல்பாடுகளைத் தெரிந்து



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	கொள்வர்
23UTAMF66: IV - Professional Competency Skill:பணி வாய்ப்புத் தமிழ்	தமிழர் வரலாற்றுச் சிறப்பினையும் தமிழ்மொழியின் பழம் பெருமையினையும் உணர்வர்.
	சங்க இலக்கியம். இலக்கியம், காப்பியம், பக்தி என்று கால வகையிலான அடிப்படையில் இலக்கிய அறிமுகம் -சங்கத்தின் சிறப்பை உணர்த்தி தெரிந்து பழகவும் வாய்ப்புள்ளது)
	பழந்தமிழர் வாழ்வுமுறை மற்றும் பண்பாட்டுச் செய்திகளைக் குழு விவாதம் மூலம் மாணவியர் அறியச் செய்தலின் மூலம் இலக்கியங்கள் உரைக்கும் வாழ்வியலை நினைவுகூர்ந்து தற்காலத்தோடு ஒப்பிடும் ஆற்றல் பெறுவர்.
	தொடர்ந்து பல்வகையான தமிழ்ச் சான்றோர் தமிழ்க்கான பங்களிப்பை செய்த நிலை அறிதல்.
	தம்முடைய வாழ்வைப் பண்படுத்தி, திறனறித் தேர்வுகளை எதிர்கொள்ளும் ஆற்றல் உடையவராதல்
SUBJECT	COURSE OUTCOMES
23PTAMC11: இக்கால இலக்கியம்	இக்காலஇலக்கியவரலாற்றைநன்கு அறிதல்.
	இக்காலஇலக்கியத்தில் மரபுக்கவிதை, புதுக்கவிதை, சிறுகதை, புனைகதை ஆகியவற்றில் சிறந்தபடைப்புகளைக்கற்று இலக்கியத்தினைப்பும்சமூகஉணர்வுப்பெறுதல்.
	கவிதை, புனைகதை ஆகியவற்றின்வடிவம், பொருள், இலக்கிய அழகுகள் முதலியவற்றைப்பகுத்துணர்ந்துமதிப்பிடும்பயிற்சியைப்பெறுதல்.
	இக்காலஇலக்கியங்களின்போக்குகளையும் தனித்தன்மைகளையும் விரிவாகவும் ஆழமாகவும் நுட்பமாகவும் அறிதல்.
	உரைநடை இலக்கியங்களைப் பகுத்தாய்ந்து மதிப்பிடல்
23PTAMC12: அறஇலக்கியம்	தமிழின் அறஇலக்கிய வரலாற்றில் பரந்தநிலையிலான புலமை பெறுதல்.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>திருக்குறள், நாலடியார் ஆகியவற்றின் அறக்கருத்துகளில் சிறப்புப் பயிற்சி பெறுதல்.</p> <p>பதினெண்கீழ்க்கணக்கின் பிற அறஇலக்கியங்கள் முன்வைக்கும் அறக்கருத்துகளை உணர்தல்.</p> <p>பதினெண்கீழ்க்கணக்கின் அறஇலக்கியங்களில் ஆழமான புலமை பெறுதல்; அறக்கருத்துகளைக் காலஉணர்வோடும் சமூகஉணர்வோடும் அணுகும் நோக்குப் பெறல்.</p> <p>அறஇலக்கியங்களின் வடிவம், கருத்துகள், கவிதை நலன்கள் முதலியவற்றில் சிறப்பறிவைப் பெறுதல்.</p>
<p>23PTAMC13: தொல்காப்பியம் பொருளதிகாரம்-I</p>	<p>அகம்புறம்என்னும்இலக்கணமரபைஅறிதல்.</p> <p>பழந்தமிழரின்வரையறுக்கப்பட்டவாழ்வியல்முறையை அறிந்துகொள்ளுதல்</p> <p>அறம், மறம்என்றஇரண்டிற்கும்இல்லறவாழ்வுஇன்றியமையா ததாகஅமைதலை அறிந்துகொள்ளுதல்.</p> <p>வாழ்வியல்விழுமியங்களைக்கற்றுமரபைப்போற்றுவத ன்வாயிலாகப்பண்பட்டசமூகம்அமையும்என்பதைஅறித ல்.</p> <p>சமூகத்தில்கூடும்பம்என்றஅமைப்புமுறையில்உள்ளத விர்க்கஇயலாதகூறுகளைஅடையாளம்காணுதல்.</p>
<p>23PTAME14-1: நாட்டார்வழக்காற் றியல்</p>	<p>நாட்டார்வழக்காற்றியல்புலத்தைநன்கறிந்துகொள்ளுத ல்</p> <p>வாய்மொழிஇலக்கியங்கள், நிகழ்த்து கலைகள் குறித்த தெளிவான அறிவினைப் பெறுதல்</p> <p>நாட்டார்வழக்காற்றியல்துறையில் ஆய்வுகளைநிகழ்த்து ம்அறிவினைப்பெறுதல்.</p> <p>மண்சார்ந்தபண்பாட்டுமரபுகளைப்புரிந்துகொண்டு அவற் றைமதிப்பவராகஉருப்பெறுதல்.</p> <p>நாட்டார்வழக்காற்றியல்துறைசார்தரவுகளைச்சேகரிக்க க்களஆய்வுநிகழ்த்தும்ஆற்றலைப்பெறுதல்</p>
<p>23PTAME14-2: பொதுமொழியிய</p>	<p>மொழியின் அடிப்படைக்கூறுகளைவிளங்கிக்கொள்ளுத ல்</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

ல்	மொழியின்ஒலி, ஒலியன், உருபன், தொடர்முதலானவற்றை அடையாளம் காணும் திறனைப் பெறுதல்
	தமிழ்இலக்கனங்களையும் இலக்கியங்களையும் மொழி யியல்பார்வையில் அணுகும் திறனைப் பெறுதல்
	மொழியியலின்பல்வேறுவகைகளைத் தெரிந்துகொள்ளு தல்
	காலந்தோறும் தமிழ்மொழியில் நிகழ்ந்த/நிகழும் மாற்றங் களை மொழியியல் அணுகு முறையில் விளக்கும் திறனை பெறுதல்
23PTAME14-3: பெரியாரியல்	சமூகச்சீர்திருத்தச்சிந்தனைவரலாற்றை அறிதல்; முன்னோடிகளின்பங்களிப்பை அறிதல்.
	தந்தைபெரியாரின் சிந்தனைகளையும் செயற்பாடுகளையும் ஆழமாக அறிதல்.
	மூடநம்பிக்கைகளைக்களைந்துபகுத்தறிவுபெறுதல்; பெண்ணூரிமையின்தேவையினை உணர்தல்.
	பெரியாரின் சிந்தனைகள்தமிழ்இலக்கியங்களில் ஏற்படுத்தி யுள்ளதாகக் கத்தை அறிதல்.
	சாதிஉணர்வுநீங்கிச்சகோதரத்துவம் மற்றும் மனிதநேயம் வளர்தல்.
23PTAME15-1: அயலகத் தமிழ்இலக்கியம்	உலகளாவிய நிலையில் தொல்குடிநிலையிலும் புலம்பெயர்ந்த நிலையிலும் தமிழர்கள் விளங்குதலை அறிதல்.
	ஈழத்தமிழ்இலக்கியம், மலையகஇலக்கியம் ஆகியவற்றின் வரலாற்றையும் வளர்ச்சியையும் அறிதல்; இவ்விலக்கியங்களின்தனித்தன்மைகளையும் இலக்கியத்தகைமையையும் சமூகப்பிரதிபலிப்புகளையும் அறிதல்; வகைமாதிரியாக இலக்கியங்கள் பயிலல்.
	மலேசியா, சிங்கப்பூர்த்தமிழ்இலக்கியங்கள்குறித்து அறிதல்; வகைமாதிரியாக இலக்கியங்கள் பயிலல்.
	புலம்பெயர்வும் இலக்கியங்களும் குறித்து ஆழமாக அறிதல். ஈழத்தமிழ்புலம்பெயர்வின் விளைவாகப் படைக்கப்பட்டுள்ள இலக்கியங்களைக் குறித்து உணர்தல்.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>அயல்நாடுகளில் தோற்றம் பெற்றுள்ள தமிழ் இலக்கிய வகைகள், வளம், இலக்கிய நலன்கள், புலம்பெயர்வின் வலி, வலிக்கிடையிலும் இலக்கியத்தில் தமிழர்கள் புரிந்துள்ள தலைசிறந்த இலக்கிய ஆக்கங்கள் முதலியன குறித்து ஆழமாக அறிதல்.</p>
23PTAME15-2: இந்திய இலக்கியம்	<p>இந்திய மொழிகளில் உள்ள இலக்கியங்களையும் அறிந்து கொள்வர்</p> <p>இந்திய மொழிகளில் உள்ள இலக்கியங்களின் மரபுகளையும் அறநெறிகளையும் அறிவர்</p> <p>தமிழுக்கும் பிற மொழிப்படைப்புகளிடையே காணப்படும் வேறுபாடுகளை அறிவர்</p> <p>பன்மொழிகற்கும் ஆர்வம் பெறுவர்</p> <p>பன்மொழி இலக்கியங்களைக் கற்பதன் மூலம் படைப்பாற்றலைப் பெறுவர்</p>
23PTAME15-3: உரையாசிரியர்கள்	<p>மரபிலக்கணங்களுக்கு எழுதப்பட்டுள்ள உரைகளின் இன்றியமையமையையும், உரைவகைகளையும், உரைத்திறன்களையும் மாணவர்கள் அறிந்திடுவர்.</p> <p>ஐவகை, அறுவகை இலக்கண உரையாசிரியர்கள், பாட்டியல் இலக்கண நூல்களுக்கு உரை எழுதியோர், தற்கால உரையாசிரியர்கள் ஆகியோர்களின் பங்களிப்புகளை மாணவர்கள் அறிந்து கொள்வர்.</p> <p>பல்வேறு உரையாசிரியர்களின் உரைப்போக்குகளை ஒப்பிட்டு நோக்கும் திறனை மாணவர்கள் பெறுவர்</p> <p>இலக்கண, இலக்கிய உரைகளுக்கிடையிலான வேறுபாடுகளைப் பகுத்தறியும் திறன் பெறுவர்</p> <p>சமய இலக்கிய உரைகளின் மொழிநடைகளை அறிந்து கொள்வதன் வழிப்பிற மொழிக்கலப்பின்றித் தனித்தமிழ்நடையில் எழுதும் திறன் பெறுவர்</p>
23PTAMC21: பக்தி இலக்கியம்	<p>தமிழின்பக்தி இலக்கியப் புலத்தில் தேர்ந்த புலமை பெறுதல்.</p> <p>சைவ இலக்கியங்களின் இலக்கிய அழகு களையும் கருத்து நலன்களையும் யாப்புச் சிறப்பையும் தனித்தன்மைகளையும் உணர்தல்.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>வைணவஇலக்கியங்களின்இலக்கியஅழகுக்களையும்கருத்துநலன்களையும்யாப்புச்சிறப்பையும்தனித்தன்மைகளையும்உணர்தல்.</p> <p>பிற்காலப்பக்திஇலக்கியவளர்ச்சிநிலைகளைஅறிதல். அருணகிரிநாதர், தாயுமானவர், இராமலிங்கர்ஆகியோரின்தனித்தபக்திஇலக்கியப்பங்களிப்புகளைஉணர்தல்.</p> <p>சைவ, வைணவபக்திஇலக்கியமரபைஅடியொற்றியஇசுலாமிய, கிறித்தவப்பக்திஇலக்கியப்பாடல்போக்கைஉணர்தல். சைவம், வைணவம், இசுலாமியம், கிறித்தவம்ஆகியதனித்தனிச்சமயநோக்குநிலைக்குஇணையாகச்சமயசமரசநிலையில்மலர்ந்தபாடற்போக்குகளையும்உணர்தல்.</p>
23PTAMC22: காப்பிய இலக்கியம்	<p>தமிழில் சமயங்களுக்கும் காப்பியங்களுக்கும் இடையிலான உறவை, பங்களிப்பை அறிதல்.</p> <p>சிலப்பதிகாரம், மணிமேகலை, சிந்தாமணி, கம்பராமாயணம், பெரியபுராணம் முதலியகாப்பிய இலக்கியங்களில் புலமைபெறல்.</p> <p>காப்பிய இலக்கியங்களின் நோக்கும் போக்கும் குறித்த தெளிவான பார்வையைப் பெறுதல்.</p> <p>காப்பியங்களின் அமைப்பு, யாப்பு, பொருண்மை, இலக்கியநலன்கள் முதலியவற்றைத் திறனாய்வுப் பார்வையோடு நன்கறிந்திருத்தல்.</p> <p>தமிழ்க் காப்பியங்களின் தனித்தன்மைகளை ஆழமாக அறிதல்.</p>
23PTAMC23: தொல்காப்பியம் பொருளதிகாரம் -II	<p>யாப்புஅமைப்பைப்புரிந்துகொண்டுமரபுக்கவிதைகளைப் படைக்கும்திறன்பெறுவர்</p> <p>தொல்காப்பியத்தின்வழிநின்றுவிருந்து, தோல்போன்றபுதியஇலக்கியவகைகளைஅறிவர்.</p> <p>அறம், மறம்என்றஇரண்டிற்கும்இல்லறவாழ்வுஇன்றியமையாததாகஅமைதலைஅறிவர்.</p> <p>படைப்புஉருவாக்கத்திற்குமெய்ப்பாட்டின்தேவையைஅறிவர்</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23PTAME24-1: இலக்கியமும் தொன்மமும்	தமிழின்தொன்மங்களை அறிவர்
	தொன்மங்களின் வகைகளை அறிவர்
	தமிழின்தொன்மங்களுக்கும்தமிழ்இலக்கியங்களுக்கும் உள்ள தொடர்பை அறிவர்.
	தொன்மத்தின் வழி உருவாகிய மரபார்ந்த இலக்கியகூறுகளை அறிவர்
	இலக்கியத்தில் தொன்மம் சார்ந்த ஆய்வுக்களங்களை அறிந்து கொள்வர்
23PTAME24-2: உலகஇலக்கியம்	முதன்மையான உலகஇலக்கியங்களையும் அதன் தனித்தன்மைகளையும் அறிவர்
	உலகலாவிய அளவில் இலக்கியங்களின் போக்கினை அறிவர்
	உலகஇலக்கியங்களின் வழிமக்களின் பண்பாடு, கலாச்சாரத்தைத் தெரிந்து கொள்வர்
	உலகஇலக்கியங்களின் வழி பாடுபொருளின்தாக்கத்தை விளங்கிக் கொள்வர்
	எழுத்தாளர்களின் வெளிப்பாட்டுத்திறனை அறிவர்
23PTAME24-3: தமிழ் அரங்கியல்	நாடகத்தோற்றம் வளர்ச்சி அறிந்து கொள்ளுதல்.
	தமிழ்நாடக ஆசிரியர்களின் வாழ்வியலைப் புரிந்து கொள்ளல்
	நாடகத்தின் வகைகளைப்பகுப்பாய்தல்
	மாணவர்களின் நடிப்புத்திறனை வளர்த்தல்
	நாடக ஆசிரியராக உருவாகுதல்
23PTAME25-1: நோக்கு நூல்கள்	தமிழ்பயிலும் மாணவர்கள்தமது பாடநூல்களுக்கு அப்பால் தமது தமிழ் அறிவை விரிவுப்படுத்திக் கொள்வர்.
	தமிழ் ஆதாரங்கள் கிடைக்கும் இடம், அவற்றைப் பயன்கொள்ளும் முறை முதலியவற்றை மாணவர்கள் அறிவர்.
	இலக்கணஇலக்கியப்பொருளைத் தெளிவாக அறிவர்
	கலைக்களஞ்சியங்களைப் பற்றிய முழுமையான தெளிவைப் பெறுவர்
	ஆய்வுநோக்கில் தரவுகளைத் தொகுக்கவும் வகுக்கவும் அறிந்து கொள்வர்.
23PTAME25-2:	மானிடவியல் துறையை மாணாக்கர் அறிந்து கொள்வர்.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

பண்பாட்டு மானிடவியல்	தமிழகப்பண்பாட்டு மாற்றம் குறித்து மாணவர்கள் அறிவர்
	பிறசமயத்தழுவதல்குறித்துவிரிவாகத் தெரிந்துக் கொள்வர்.
	பழந்தமிழரின்சமூகநிலை, பண்பாட்டுநிலை, உயிரியல்நிலைபோன்றவற்றைதற்காலவாழ்வியலுடன்பொருத்திப்பார்த்தல்
	தமிழ்ஆய்விலும்பிறதுறையைஆய்வுசெய்யும் நோக்கை அறிந்து கொள்வர்
23PTAME25-3: பெண் படைப்பாளரின்இ லக்கியங்கள்	தமிழ்இலக்கியபரப்பில்பெண்படைப்பாளர்களைஅறிவர்
	பெண்இலக்கியக்கொள்கைகளைவிளங்கிக்கொள்வர்
	பெண்படைப்பாளர்களின்இலக்கியங்கள்வழிவாழ்வியலை அறிவர்
	காலந்தோறும்பெண்மொழியின்உளவியலைஉணர்ந்து கொள்வர்
SKILL ENHANCMENT COURSE I-23PTAMC26: ஊடகக்கலைத்தி றன்	ஊடகநுட்பங்களைக்கற்பதன்மூலம்மாணவர்கள்எதிர்காலத்தில்சிறந்த
	ஊடகவியலாளராகவிளங்குவர்.
	ஊடகக்கலைநுட்பங்களைஎடுத்துரைப்பர்.
	ஊடகங்களின்வகைமைகளையும்ஊடகங்களுக்குஎழுதும்முறைகளையும்பற்றிஎடுத்துரைப்பர்
	நடைமுறையிலுள்ளஊடகத்தமிழ்ப்பயன்பாட்டைமேனிலையாக்கம்செய்தல
	தமிழைப்பல்லாடகங்களில்மேலதிகமாகப்பயன்படுத்துவதற்கானவாய்ப்பைஉருவாக்குதல்
23PTAMC31: சிற்றிலக்கியம்	தமிழின் மரபான இலக்கிய வகைகளின் வரலாற்றை அறிதல்; குறிப்பிட்ட சிற்றிலக்கியம் ஒவ்வொன்றின் தோற்றம், வளர்ச்சிநிலைகளை வரலாற்று நோக்கில் அறிதல்.
	பரணி, தூது, பள்ளு, குறவஞ்சி ஆகிய சிற்றிலக்கியங்களில் சிறப்புப் புலமைபெறுதல்.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>கலம்பகம், அந்தாதி, பிள்ளைத்தமிழ், சிந்து ஆகிய சிற்றிலக்கிய வகைகளிலும் முத்தொள்ளாயிரத்திலும் புலமைபெறுதல்.</p> <p>தமிழ்ச்சிற்றிலக்கிய வகைகளின் வளத்தை அறிந்து அவற்றின் தனித்த இலக்கியக் கொடையை - இலக்கிய வடிவம், யாப்பு வடிவம், பொருண்மைகள், இலக்கிய அழகுகள் முதலியவற்றை ஆழமாக உணர்தல்.</p> <p>மரபான சிற்றிலக்கிய வகைகளை ஆய்வுக் கண்ணோட்டத்தில் அணுகவும், சிற்றிலக்கிய வகைகளில் புதியபடைப்புகளை ஆக்கவும் பயிற்சியும் புலமையும் பெறுதல்.</p>
23PTAMC32: தொல்காப்பியம் எழுத்ததிகாரம்	<p>தமிழ் மொழியில் உள்ள எழுத்துக்களின் வகையையும், மொழியைத் திறம்பட க்கையாளும் முறையையும் கற்றல்.</p> <p>தமிழ் இலக்கணத்தின் அடிப்படையை உணர்ந்து கொள்வதன் மூலம் பிறமொழியை எளிதில் கற்கலாம்</p> <p>மரபிலக்கணத்தைப் புரிந்து கொண்டு நவீன இலக்கணத்தை உருவாக்கலாம்.</p> <p>தமிழ் எழுத்துக்களை உச்சரிக்கும் முறையைக் கற்றுப் பேச்சுக்கலையை வளர்த்துக் கொள்ளலாம்.</p> <p>உரைநடைகளை எழுதும் பொழுது ஏற்படும் எழுத்துப் பிழைகளைத் தவிர்க்கலாம்.</p>
23PTAMC33: ஆராய்ச்சி நெறிமுறைகள்	<p>ஆராய்ச்சி நெறிமுறைகளை அறிவர், இலக்கியத்தை ஆய்வுக்கு உட்படுத்தும் திறன்பெறுவர்.</p> <p>ஆராய்ச்சி நெறிமுறைகளைப் பின்பற்றி ஆய்வேடாக அமைக்கும் அறிவைப் பெறுவர்.</p> <p>ஆராய்ச்சிக்குரிய தமிழாய்வுகளை விரிவாக அறிவர்</p> <p>தரவுகளைச் சேகரிக்கும் வழிமுறைகளைக் கற்பர்.</p>
23PTAMC34: விளம்பரக்கலை	<p>1. விற்பனைப்பிரிவின் அடிநாதம் விளம்பரங்கள் என்பதைக் கற்றறிந்து தெளிவர்.</p> <p>2. மனிதமனம் ஆசையை விரும்பக்கூடியது அந்த ஆசையைத் தூண்டும் உளவியல் சிந்தனையோடு விளம்பரப்படங்களை எடுக்கப்பெறுகின்றன என்பதை உணர்ந்து கொள்வ</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	ர்.
	3. பொருட்களின்விற்பனைகுழந்தைகளோடுதொடர்பு டையதுஎன்னும்உத்தியைஅறிந்துதெளிவர்.
	4. விளம்பரங்களின்வகைமைகளைவெளிப்பாட்டுஉத்தி களின்நுணுக்கங்களுடன்அறிவர்.
	படைப்பாக்கத்திறன், வேலைவாய்ப்புத்திறன்ஆகியவற்றைப்பெறுவர்
23PTAMC35-1: தொல்லியல்	தொல்பொருளியலைஅறிந்துகொள்ளுதல்
	தொல்லியல்கோட்பாடுகளைப்புரிந்துகொள்ளுதல்
	தொல்லியல்சான்றுகளைப்பகுத்தாய்தல்
	தொல்லியல்ஆய்வுகளைமதிப்பிடுதல்
	தொல்லியல்ஆய்வாளர்களைஉருவாக்குதல்
23PTAMC35-2: பதிப்பியல்	தமிழ்ப்பதிப்பு வரலாற்றிலும் வெளியீட்டியல் வரலாற்றிலும் தேர்ந்த அறிவைப் பெறுதல்.
	மூலபாடத்திறனாய்வு, பதிப்பு நெறிமுறைகள் ஆகியவற்றில் ஆழ்ந்தபுலமை பெறுதல்.
	ஆறுமுகநாவலர், சி.வை.தா., உ.வே.சா., வையாபுரிப்பிள்ளை முதலிய பதிப்பியல் பேராளுமைகளின் பங்களிப்பை ஆழமாக அறிதல்.
	புத்திலக்கியப் பதிப்பியலை வளப்படுத்தும் வழிமுறைகளை அறிந்து தாமேபதிப்பிக்கும் அறிவையும் உந்தாற்றலையும் பெறுதல்.
	கணினி, இணையம் ஆகியவற்றைப் பதிப்பியல், வெளியீட்டியல் துறை முயற்சிகளுக்குப் பயன்படுத்தும் அறிவைப்பெறுதல்.
23PTAMS36: மொழிபெயர்ப்பு இலக்கியம்	Understand theories and practices of translation in various languages and gain the art of translation as well.
	Understand the challenges and strategies to be followed in the projects of translation.
	Critically analyze the select translation of Tamil works in Indian languages and English and vice versa.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001
(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	<p>Comprehend the understand the themes, forms, aesthetic features and socio-political messages imparted through the select Tamil proses and short stories and novels.</p> <p>Take part in the projects of literary translation as well as non-literary writings from other Indian languages into Tamil.</p>
23PTAMC41: சங்க இலக்கியம்	<p>சங்கஇலக்கியங்களின் நுட்பத்தை அறிவர்</p> <p>சங்கஇலக்கியங்களின் வாழ்வின் விழுமியங்களை, அறிவர்</p> <p>சங்கஇலக்கியங்களின் கவிதைச் சிறப்புக்களை அறிவர்</p> <p>அகத்திணை புறத்திணை கோட்பாடுகளை அறிவதால் சங்கஇலக்கியப் பாடல்களில் அவற்றைப் பொருத்திப் பார்க்கும் திறன் பெறுவர்</p> <p>மரபுசார் தன்மைகளை மதிப்பிடும் திறனும் அவற்றைத் தற்கால வாழ்வியலுக்குப் பயன்படுத்தும் பயன்பாட்டுத் தன்மையும் பெறுவர்.</p>
23PTAMC42: சொல்லதிகாரம்	<p>தமிழ்மொழியின் சொல்லமைப்பினையும், தொடரமைப்பினையும் அறிதல்.</p> <p>தமிழ்இலக்கணத்தின் தொடரமைப்பை அறிந்து கொள்வதன் மூலம் பிறமொழியை எளிதில்கற்கலாம்.</p> <p>மரபிலக்கணத்தைப் புரிந்து கொண்டு நவீன இலக்கணத்தை உருவாக்கப் பழகுதல்.</p> <p>தமிழில் உள்ள சொற்களின் வகைகளை அடையாளம் காணப் பழகுதல்.</p> <p>தொடரிலக்கணம் கற்பதன் வழிபிறையற்ற தொடர்களை எழுத இயலும்.</p>
23PTAME44-1: இலக்கியத் திறனாய்வும் கொள்கைகளும்	<p>இலக்கியத் திறனாய்வு என்பது இலக்கியக் கொள்கை சார்ந்தது என்னும் தெளிவுபெறுதல்.</p> <p>அந்தத் தெளிவினூடாகத் தமிழ் இலக்கியத் திறனாய்வு வரலாற்று மாற்றங்கள் பற்றிய தேர்ந்த அறிவைப் பெறுதல்.</p> <p>தமிழ் இலக்கணங்களில் (பொருள், யாப்பு, அணி) காணப்பெறும் இலக்கியக் கொள்கைகளையும், அவற்றின் வழியாக உரைகளில் அமைந்துள்ள திறனாய்வுக் கூறுகளையும் கொண்டு தமிழ் இலக்கியத் திறனாய்வு மரபை இனங்காணல்.</p>



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	டி.கே.சி., க.நா.சு., சி.சு. செல்லப்பா, க. கைலாசபதி, கா. சிவத்தம்பி, ராஜ்கௌதமன், தமிழவன், க. பூரணச்சந்திரன், க. பஞ்சாங்கம் போன்ற திறனாய்வாளர்களின் பங்களிப்புகளை நுட்பவேறுபாடுகளுடன் பயின்று உள்வாங்குதல்.
	திறனாய்வுப் புலமையைப் பயன்படுத்தி, இலக்கியத்தைத் திறனாய்கின்ற ஆற்றலைப் பெறுதல்.
23PTAME44-2: தமிழில் சிறுபத்திரிகைகள்	சிறுபத்திரிகைகளின் முக்கியத்துவத்தை அறிவர்
	தமிழில் தோன்றிய சிறுபத்திரிகைகளின் தோற்றம் மற்றும் வரலாற்றை தெரிந்துகொள்வர்
	தமிழில் தோன்றிய சிறுபத்திரிகைகள் மக்களிடையே உருவாக்கிய விழிப்புணர்வை அறிவர்
	சிறுபத்திரிகைகள் காலந்தோறும் ஆற்றிய பணிகளை உணர்வர்
	சிறுபத்திரிகைகளின் ஆய்வுப் பணியை தெரிந்துகொள்வர்

ZOOLOGY	
SUBJECT	COURSE OUTCOMES
23UZOO13: Course Title: Invertebrata	Understand the basic concepts of invertebrate animals and recall its structure and functions.
	Illustrate and examine the systemic and functional morphology of various groups of invertebrata.
	Differentiate and classify the animal's mode of life in various taxa and estimate the biodiversity.
	To compare and distinguish the various physiological processes and organ systems in lower animals.
	Infer and integrate the parasitic and economic importance of invertebrate animals.
23UZOO14: Course Title: Invertebrata	Identify and label the external features of different groups of invertebrate animals.
	Illustrate and examine the circulatory system, nervous system and reproductive system of invertebrate animals.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Differentiate and compare the structure, function and mode of life of various groups of animals.
	To compare and distinguish the dissected internal organs of lower animals.
	Prepare and develop the mounting procedure of economically important invertebrates.
23UBOTE15: Course Title: Botany – I	Increase the awareness and appreciation of human friendly algae and their economic importance.
	Develop an understanding of microbes and fungi and appreciate their adaptive strategies.
	Develop critical understanding on morphology, anatomy and reproduction of Bryophytes, Pteridophytes and Gymnosperms.
	Compare the structure and function of cells and explain the development of cells.
	Understand the core concepts and fundamentals of plant biotechnology and genetic engineering.
23UZOO17: Ornamental Fish Farming and Management	The students will be able to identify, culture, maintain and market the commercially important ornamental fishes.
	The knowledge and skills gained on the different aspects of ornamental fish keeping will enable the students to develop entrepreneurship potential and help in self employment.
23UBOTE1: Course Title: Botany Practical – I	1. To study the internal organization of algae .
	2. To study the structure and organization of fungi, bacteria and viruses
	3. Develop critical understanding on morphology, anatomy and reproduction of Bryophytes, Pteridophytes and Gymnosperms.
	4. To study the cell structure and function.
	5. Understand the fundamental concepts of genetics and Biotechnology
23UZOO23: Course Title: Chordata	Classify, Identify and recall the name and distinct features of different subphylum belonging to phylum Chordata.
	Explain, and relate the origin, structural organization and evolutionary aspects of vertebrates.
	Analyze, compare and distinguish the developmental stages and describe the important biological process.
	Correlate the different modes of life and parental care among different vertebrates.
	Summarise the morphology and ecological adaptations in vertebrates and list out the economic importance.
23UZOO24: Course Title: Chordata	Identify and recall the name and distinct external and internal features of animals belonging to phylum Chordata.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Explain the structural organization of various organs and systems in different classes of vertebrates.
	Analyse, compare and distinguish the morphological features and developmental stages of chordates
	Dissect and explain various organs and internal systems in different vertebrates and correlate its function.
	Summarise the morphology and ecological adaptations in vertebrates and list out the economic importance.
23UBOTE25: course title: Botany- II	Understand the fundamental concepts of plant anatomy and embryology.
	Analyze and recognize the different organs of plants and secondary growth.
	Understand water relation of plants with respect to various physiological processes
	Classify aerobic and anaerobic respiration.
	Classify plant systematics and recognize the importance of herbarium and virtual herbarium.
23UBOTE25: course title: Botany Practical -II	1. Understand external structure of angiosperms
	2. To study the classical taxonomy with reference to different parameters.
	3. Understand the fundamental concepts of plant anatomy and embryology
	4. To study the effect of various physical factors on photosynthesis.
	5. Understand simple experiments in plant Physiology
23UZOOE15: Course Title : Zoology – I	Recall the characteristic features invertebrates and chordates.
	Classify invertebrates up to class level and chordates up to order level
	Explain and discuss the structural and functional organisation of some invertebrates and chordates
	Relate the adaptations and habits of animals to their habitat
	Analyse the taxonomic position of animals.
23UZOOEP1: Zoology Practical – I	Identify and label the external features of different groups of invertebrate animals.
	Illustrate and examine the circulatory system, nervous system and reproductive system of invertebrate animals.
	Differentiate and compare the structure, function and mode of life of various groups of animals.
	To compare and distinguish the dissected internal organs of lower animals.
	Prepare and develop the mounting procedure of economically important invertebrates.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UZOOE25: Course Title: Zoology– II	Recall the parts and working of body organs and developmental stages, name the patterns of inheritance and list different types of animal behaviour
	Analyse the different developmental stages
	Analyse the working of body and immune systems
	Analyse the different patterns of inheritance
	Relate the behaviour of animals to physiology. Analyse the different types of behavior
23UZOOEP2:Zoology Practical – II	Recall the parts and working of body organs
	Analyse the different developmental stages
	Analyse the functioning of body and immune systems
	Analyse the different patterns of inheritance
	Understand the different types of behavior
23UZOON16: COURSE TITLE: Economic Zoology	1. To identify the breeds and varieties of poultry, fish, bees, and cattle and understand the basic aspects of farming.
	2. To assess and integrate the available tools and techniques to increase the productivity in farms.
	3. To analyse the pros and cons of different methods of farming and marketing strategies of products.
	4. To evaluate the use of available resources in improving the breeds, vermicomposting, farm products etc..
	5. To design new methods to improve farm animals with increased productivity and disease resistance and to construct new methods in vermicomposting.
23UZOON26: Ornamental Fish Farming& Management	The students will be able to identify, culture, maintain and market the commercially important ornamental fishes.
	The knowledge and skills gained on the different aspects of ornamental fish keeping will enable the students to develop entrepreneurship potential and help in self employment.
23UZOOC33: Course Title: CELL AND MOLECULAR BIOLOGY	Understand and recall the basic structure, origin and development of cell organelles.
	Integrate and assess the cytological and histological tools to infer cellular basis of organization.
	Explain the role of cells and cell organelles in various biological processes.
	Get the knowledge on the structure of chromosome, cell division and cell cycle.
	Understand the types, structure and chemical composition of DNA and RNA
23UZOOP34: Course Title: PRACTICAL III : CELL AND MOLECULAR BIOLOGY	Students will learn the practical knowledge about principle and working procedure of microscope.
	Identify various stages of cell divisions and giant chromosome



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	structure.
	Explain the role of cells and cell organelles in various biological processes.
	Get the knowledge on the structure of chromosome, cell division and cell cycle.
	Understand the types, structure and chemical composition of DNA and RNA
23UCHEE35:CHEMISTRY FOR BIOLOGICAL SCIENCES I (FOR BOTANY AND ZOOLOGY STUDENTS)	CO1: state the theories of chemical bonding, nuclear reactions and its Applications
	CO 2: evaluate the efficiencies and uses of various fuels and fertilizers.
	CO 3: explain the type of hybridization, electronic effect and mechanism involved in the organic reactions.
	CO 4: demonstrate the structure and uses of antibiotics, anaesthetics, antipyretics and artificial sugars.
	CO 5: analyse various methods to identify an appropriate method for the separation of chemical components.
23UCHEEP3: CHEMISTRY PRACTICAL FOR BIOLOGICAL SCIENCES – I(for Botany and Zoology II Year/III Semester)	CO 1: gain an understanding of the use of standard flask and volumetric pipettes, burette. CO 2: design, carry out, record and interpret the results of volumetric titration.
	CO 3: apply their skill in the analysis of water/hardness.
	CO4: analyze the chemical constituents in allied chemical products
23UZOO36-1: Course Title: APICULTURE	Appreciate the importance of beekeeping and understand the basic biology of honey bees.
	Understand the social life of honey bee and importance of behavior.
	Select suitable area and species of bees for Bee keeping and maintain the Beehives in a scientific way.
	Maintain the Bee hives in a healthy condition.
	Understand the methodologies of in extracting, preservation of bee products and establish bee keeping unit and run it profitably.
23UZOO36-2: Course Title: BASICS OF MARINE BIOLOGY	Define marine ecosystem, recognize and describe the interrelationship between
	biology and ocean technology.
	Articulate and classify the dynamics and physical attributes of the ocean, interpret the factors which affect the global climate.
	Identify and analyze the physical and biological factors of marine environments, and focus life in the open sea.
	Evaluate the impact of variations in abiotic factors in marine productivity and justify the role of human activities in the degradation of marine ecosystems.
	Categorize marine pollutants and develop controlling measures in collaboration with the institutions for ocean management.
23UZOO37-1: Course Title:	Recall and record genetic basis and evolutionary history of behaviour.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

ANIMAL BEHAVIOUR	Classify movement and migration behaviors and explain environmental influence upon behaviour.
	Analyze and identify innate, learned and cognitive behavior and differentiate between various mating systems.
	Assess complexity involved in behavioural traits and evaluate hormones and their role in aggression and reproduction
	Discuss the rhythmicity of behavioural expressions and the scientific concepts in behavior and behavioral ecology
23UZ00S37-2: Course Title: NANO BIOLOGY	Understand basics of Nano-science and Nano-biology.
	Gain knowledge on nanomaterials and nanoparticles.
	Know the biological applications of nanomaterials and nanoparticles.
	Apply their knowledge in their career development in higher education, research, and development.
	Understand the Biological Applications of Nanomaterials and nanoparticles
23UZ00C43: Course Title: GENETICS	Understand the basis of inheritance and expression of genes.
	Correlate changes in genetic makeup and phenotypic changes in progeny.
	Analyse the causes of variations in genetic material and predict the effect in a population using different techniques.
	Explain the role of chromosomes and different genetic elements in the expression of genes.
	Compile the factors which contribute to changes in gene expression and specify the changes which contribute to evolution.
23UZ00P44: Course Title: PRACTICAL IV : GENETICS	Describe, examine and interpret the organization of genomic material and to research theories of genetic inheritance.
	Prepare samples of genetic molecules and to determine their purity, structure and characteristics.
	Experiment with genomic preparations and devise techniques to distinguish genetic material in different organisms to survey biodiversity.
	Assess the changes in genetic material and to predict and consider the consequences of those changes.
	Report and justify the results of molecular and genetic experiments in an accurate and meaningful manner.
23UCHEEP4: CHEMISTRY PRACTICAL FOR BIOLOGICAL SCIENCES – II(For Botany and Zoology II year/IV semester)	CO 1: gain an understanding of the use of standard flask and volumetric pipettes, burette. CO 2: design, carry out, record and interpret the results of volumetric titration.
	CO 3: apply their skill in the analysis of water/hardness.
	CO4: analyze the chemical constituents in allied chemical products



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

23UZOOS46-1: Course Title: MEDICAL LAB TECHNOLOGY	Understand protocols and procedures to collect clinical samples for blood analysis and to study human physiology.
	Explain the characteristics of clinical samples.
	Demonstrate skill in handling clinical equipment.
	Evaluate the hematological and histological parameters of biological samples.
	Elaborate the role of medical laboratory techniques in health care industry.
23UZOOS46-2: Course Title: AQUACULTURE	Students will be able to describe the history and development of aquatic life.
	Students will be able to theoretical and practical aspects of fisheries across different species.
	Students will be able to explain how the management of aquatic ponds and to analyze biological samples of Aquaculture ponds.
	Students can make knowledge of how the difference of cultivable forms evolved in the earth.
	To take up jobs in Aquaculture farms.
23UZOOS47-1: Course Title: FOOD , NUTRITION AND HEALTH	Understand the role of food and nutrients in health and disease.
	Gain knowledge about hygiene, food safety, disease transmission
	Perform food system management and leadership functions that consider sustainability in business, healthcare, community and institutional areas.
	Understanding the Life style dependent diseases
	Understanding the Diseases caused by microorganisms
23UZOOS47-2: Course Title: AGRICULTURAL ENTOMOLOGY	Examine and identify the systemic and functional morphology of various group of agricultural insect pests.
	Differentiate and classify the various groups of insects and estimate the biodiversity.
	Explain the pest status in agriculture and control measures.
	To compare the methods and outcomes of integrated pest management.
	List the economic importance of agricultural insect species.
23UZOOC51: Course Title: DEVELOPMENTAL BIOLOGY	To describe and illustrate the significance of cellular processes in embryonic development.
	To relate the factors that contribute to the developmental process, construct fate maps and illustrate the steps in morphogenesis and organogenesis.
	To correlate the involvement of specific cell types in the formation of specific organs and explain the importance of morphogens.
	To distinguish between the different types of developmental mechanisms in various organisms and appraise the species-based differences in development.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalaiagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To justify and validate the role of environment and genetics in influencing embryonic development embryonic development
23UZ00C52: Course Title: ANIMAL PHYSIOLOGY	Be able to explain how the various organ systems are coordinated and controlled.
	Be able to list the functions of various organs in relation to physiological process.
	Be able to develop the idea of multi level controlling and feedback mechanism in relation to various physiological functions.
	Be able to understand the basic physiological process related to adaptation , metabolism and major requirements.
	Be able to correlate and understand human physiology.
COURSE TITLE: PRACTICAL V : 23UZ00P53: DEVELOPMENTAL BIOLOGY & ANIMAL PHYSIOLOGY	The student will be able to understand the process of Oxygen consumption by fish depending upon the body weight
	The student will be able to understand the level of haemoglobin present in their own blood and to observe bleeding and Clotting time in their blood
	The student will be able to understand the various instruments and its applications related to human beings
	The student will be able to study human reproduction and reproductive process in mammals and will observe various egg types and stages of cleavage in frog.
	The student will be able to study embryonic adaptations in human and various developmental stages in chick.
Course Code: 23UZ00E55-1: Course Title: BIO PHYSICS & BIOSTATISTICS	Understand and recall the basic biophysical concepts, statistical data and formula.
	Apply suitable physical techniques and statistical methods to solve biological problems.
	Identify and relate the bioanalytical techniques and statistical principles for the application of biological experiments.
	Select suitable biophysical techniques to study the biological process and statistical approach to assess the experimental results.
	Integrate the bioanalytical techniques and statistical methods to validate research investigations.
Course Code: 23UZ00E55-2: Course Title: WILD LIFE CONSERVATION & MANAGEMENT	To understand and recall the importance of wildlife, extinction and Conservation Approaches of wildlife.
	To integrate and assess the National, international approaches for biodiversity conservation.
	To analyse and differentiate threats to wildlife, various action plans, conservation strategies on wildlife of India to turn conflict into tolerance and coexistence.
	To explain the role PVA models, Wildlife conservation approaches, and limitations.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To construct and simulate National and International strategies for Conservation, Wild life laws and ethics.
Course Code: 23UZOOE56-1: Course Title: BIO COMPOSTING FOR ENTREPRENEURSHIP	Learn about the characteristics and biology of earthworm
	Get an in depth knowledge about the culture techniques
	Understand about the methods of composting
	Learn the factors for proper maintenance of the vermicomposting beds
	Learn about the application and marketing of the compost.
Course Code: 23UZOOE56-2: Course Title: BASIC COURSE IN ORNITHOLOGY	Recall the taxonomic position of birds, their external morphology and internal parts, types of bird behaviour, sampling methods and types of avian diseases.
	Identify the external parts of the bird, internal structures of the bird and different types of bird behavior
	Differentiate birds based on their morphology, foraging strategies and other behavior
	Explain and discuss how birds evolved, bird adaptations to flight, different aspects of bird behaviour, threats to birds and the role of citizen science in ornithology
	Discuss and analyse case studies relating to bird conservation
Course Code: 23UZOOE61: Course Title: ENVIRONMENTAL BIOLOGY	Understand the fundamental structure and functions of the ecosystem.
	Assess the inter-relationship between organisms and between biotic and abiotic factors in an ecosystem.
	Analyze the factors that cause pollution, climate change, loss of biodiversity and depletion of resources.
	Evaluate the impact of human population growth and socio-economic development on the structure and function of the ecosystem.
	Design plans to scientifically solve environmental problems using biological tools, technologies and government policies.
Course Code: 23UZOOE62: Course Title: EVOLUTION	Analyse the evolutionary history of biological organisms
	Critically assess the evolutionary relationship among various phyla
	Identify the role of natural selection in the survival of the species
	Understand the various mechanisms involved in evolution.
	Students will be able to explain how speciation occur and reasons for extinction.
Course Title: PRACTICAL VI : 23UZOOE63: ENVIRONMENTAL BIOLOGY & EVOLUTION	The student will be able to understand the presence dissolved oxygen, salinity, pH in water samples.
	The student will be able to understand the presence CO ₂ , Silicate and Iron in water samples.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	The student will be able to understand the usage of various instruments to observe climatic conditions
	The student will be able to study the Fossils of Animals
	The student will be able to study the Mimicry and colouration of insect to protect themselves
Course Code: 23UZOOE64-1: Course Title: BIOINSTRUMENTATION	To describe and explain the steps in the use of various biological instrumentation that are used in the study of different animal specimens.
	To relate the applications of biological techniques and employ them for the study of cells, tissues and genetic material.
	To correlate and appraise the use of specific bioinstrumentation for specific biological experiments and infer the results of such experiments.
	To compare the working principle of different bioinstrumentation and to summarize their applications.
	To devise experiments and justify them with the understanding of the underlying principles of bioinstrumentation that are ecofriendly, ethical and have national and global relevance.
Course Code: 23UZOOE64-2: Course Title: BIOTECHNOLOGY	To describe the methodologies for handling animal cells based on their diverse characteristics and identify the correct biotechnological tools to obtain the desired products from the cells.
	To develop and explain the protocols for genetically manipulating cells and produce transgenic animals
	To select the apt molecular techniques to evaluate and analyze animal traits and diseases at the genomic level and devise methods for easy taxonomical identification and classification for biodiversity and environmental studies.
	To choose the correct methods of transgenesis and to consider their use in improving animal husbandry nationally and globally
	To speculate on the environmental implications of animal otechnological methods and design responsible, ethical solutions to livestock production and health issues.
Course Code: 23UZOOE65-1: Course Title: MICROBIOLOGY	To understand history, relevance of microbiology and classification of bacteria
	To understand the working of various microscopes and their application
	To gain knowledge of various (physical and chemical) methods of control of microorganisms and safety measures to be followed while handling microbes
	To understand the structure of bacterial cells, its organelles, physiology and behaviour.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	To learn different methods of staining bacteria and demonstrate proficiency in handling aseptic bacteriological specimen.
Course Code: 23UZOOE65-2: Course Title: RADIATION BIOLOGY	To describe the various types of ionizing radiation
	To define the radiation units used in measurement/calculations of "dose".
	To describe the biological impact of radiation on living cells and tissues
	To highlight the applications of radiation in different fields
	To create awareness about safety precautions when using radioactive isotopes
COURSE CODE: 23UZOOE66: COURSE TITLE :ENVIRONMENTAL BIOTECHNOLOGY AND HERBAL SCIENCE	The environmental biotechnology and its value
	The agricultural biotechnology and bio pesticide.
	The cultivation of mushroom and its value.
	The value of herbal science and traditional system of medicine.
	The conservation of medicinal plants and herbal products.
PG	
23PZOOC11: CORE COURSE - I STRUCTURE AND FUNCTIONS OF INVERTEBRATES	Remember the general concepts and major groups in animal classification, origin, structure, functions and distribution of life in all its forms.
	Understand the evolutionary process. All are linked in a sequence of life patterns.
	Apply this for pre-professional work in agriculture and conservation of life forms.
	Evaluate and to create the perfect phylogenetic relationship in classification.
23PZOOC12: CORE COURSE - II COMPARATIVE ANATOMY OF VERTEBRATES	Understand the morphological features and physiological functions like Respiration, reproduction and nervous system of Vertebrates
	Understand the various salient features of higher Vertebrates
	Differentiate the patterns of functioning of various organ systems in vertebrates
	Know the structural organization and functioning of various organs in Vertebrates.
23PZOOP13: CORE COURSE - III PRACTICAL I - INVERTEBRATES & VERTEBRATES	
23PZOOE14-1: MOLECULES AND THEIR INTERACTION RELEVANT TO BIOLOGY	Learn the structure, properties, metabolism and bioenergetics of biomolecules
	Acquire knowledge on various classes and major types of enzymes, classification, their mechanism of action and regulation
	Understand the fundamentals of biophysical chemistry and biochemistry, importance and applications of methods in conforming the structure of biopolymers
	Comprehend the structural organization of and proteins, carbohydrates, nucleic acids and lipids



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalai Nagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Familiarize the use of methods for the identification, characterization and conformation of biopolymer structures
23PZOOE14-2: MEDICAL ENTOMOLOGY	Identify insects based on morphological features
	Start entrepreneurial activities
	Take up jobs in vector control and public health departments
	Take up integrated pest management activities
23PZOOE15-1: BIOSTATISTICS	Clear understanding of design and application of biostatistics relevant to experimental and population studies.
	Acquired skills to perform various statistical analyses using modern statistical techniques and software.
	Knowledge on the merits and limitation of practical problems in biological/ health management study as well as to propose and implement appropriate statistical design/ methods of analysis.
23PZOOE15-2: TOXICOLOGY	Carry out toxicological analysis of various environmental samples
	Make observations and biochemical analysis of biological samples
	Carry out toxicological testing using live specimen to determine toxicity of toxicants
	Take up jobs in toxicological research institutions and clinical labs
23PZOOE21: CORE COURSE - IV CELLULAR AND MOLECULAR BIOLOGY	Acquire knowledge on cellular structure and functions.
	Understand the process of energetic and genesis in cells
	Interpret the structural and functional significances of DNA and RNA
	Take up jobs in molecular biology labs and clinical labs
23PZOOE22: CORE COURSE - V DEVELOPMENTAL BIOLOGY	Acquire knowledge on reproduction and development
	Understand process of fertilization
	Understand the whole process of embryogenesis
	Acquisition of skills in common methods and practices followed in developmental biology related laboratory activities and Take up jobs in fertility clinics and research labs
23PZOOE23: CORE COURSE – VI PRACTICAL II – CELLULAR AND MOLECULAR BIOLOGY AND DEVELOPMENTAL BIOLOGY	Understand taxonomy and classification of insects
	Know the life cycle, rearing and management of diseases of beneficial insects.
	Know the type of harmful insects, life cycle, damage potential and management of pests including natural pest control
	Recognize insects which act as vectors causing diseases in animals and human.
	Overall understanding on the importance of insects in human life.
Elective Course - III: 23PZOOE24-2 : Biodiversity and Conservation	Realize the structure and function of ecosystem.
	Understand the wealth of our natural resources
	Know the methods of conservation of natural resources
	Create awareness of the laws governing environment.
Elective Course - IV: 23PZOOE25-1 : RESEARCH	Understand the implications of GLP
	Learn the working principles of different instruments



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

METHODOLOGY	Gain the knowledge on techniques of histology and histochemistry
	Acquire knowledge on the basic principle and application of various modules of light and electron microscopy
Elective Course - IV: 23PZOOE25-2 : BASIC BIOTECHNOLOGY	Gain knowledge on the principles of biotechnology
	Know various experiments related to biotechnology
	Carry out biotechnological applications in the fields of medicine, agriculture and environmental fields
	Equip themselves to take up jobs in various biotechnological companies and labs
SKILL ENHANCEMENT COURSES: 23PZOOS26 : POULTRY FARMING	Understand the various practices in Poultry farming.
	Know the status of Poultry farming.
	Apply the techniques and practices needed for Poultry farming.
	Know the difficulties in Poultry farming and be able to propose plans against it.
23PZOOC31: GENETICS	Interpret phenotypic expressions based on genotype
	Understand and interpret genetically linked diseases
	Perform blood group analysis and test metabolic disorders
	Working in clinical laboratories and take up researches
23PZOOC32: EVOLUTION	Analyse the evolutionary history of biological organisms
	Critically assess the evolutionary relationship among various phyla
	Identify the role of natural selection in the survival of the species
	Understand the various mechanisms involved in evolution.
23PZOOC33: ANIMAL PHYSIOLOGY	Understand the normal physiological functions and necessity to maintain a healthy Life
	Get an opportunity to understand various factors that could lead to altered physiological functions and thereby health problems
	Perform various physiological experiments and observations
	Take up jobs in clinical labs and research institutes
23PZOOP34: PRACTICAL III - GENETICS, EVOLUTION AND ANIMAL PHYSIOLOGY	
23PZOOE35-1 : Discipline Centric Elective – V STEM CELL BIOLOGY	Understand the basic knowledge of stem cells and their origin
	Differentiating the embryonic and adult stem cells
	Acquire knowledge on stem cells and aging
	Understand and apply the current stem cell therapies for their research
23PZOOE35-2 : Discipline Centric Elective – V ENDOCRINOLOGY	Understand the basics of various endocrine glands.
	Pursue higher studies on endocrinology.
	Take up jobs in clinical labs
	Analyze biological samples of endocrinological importance
23PZOOS36: Skill Enhancement Course (SEC – II) DAIRY FARMING	Understand the various practices in Dairy farming.
	Know the needs for Dairy farming and the status of India in global market.



பெரியார் கலைக் கல்லூரி
PERIYAR ARTS COLLEGE

Devanampattinam, Cuddalore - 607 001

(A Higher Educational Institution run by the Government of Tamilnadu)
Affiliated to Annamalai University, Annamalainagar

☎: 04142 213166

www.pacc.in

✉: principal@pacc.in

	Apply the techniques and practices needed for Dairy farming. Know the difficulties in Dairy farming and be able to propose plans against it.
23PZOOC41: IMMUNOLOGY	Analyze the various immunological issues Apply immunological procedures for various immunological testing procedures Interpret the results of immunological experiments and take up jobs in clinical labs and related institution Carry out immunological investigation and Equip themselves for higher studies
23PZOOP43: LAB COURSE - PRACTICAL -IV IMMUNOLOGY AND ECOLOGY	differentiate the various immune cells Understand antigen antibody interactions Develop the analytical skill skills to know the nature of environment Learn the method of analysis of water to know the pollution of it.
23PZOOD44: PROJECT WITH VIVA-VOCE	
Elective – VI : Industry/ Entrepreneurship 23PZOOE45-1: MEDICAL LABORATORY TECHNIQUES	
Elective – VI: Industry/ Entrepreneurship 23PZOOE45-2 :AQUACULTURE AND THEIR BY-PRODUCTS	Knowledge on the fish farm and their maintenance. Understand the methods of fish seed and feed production and develops knowledge on hatchery techniques To apply the knowledge about different culture methods in aquaculture and gain knowledge on fish and shrimp breeding techniques and larval rearing Identify the different fish diseases, diagnosis and their management strategies. Understands Ornamental fishes and central aquaculture organizations
Skill Enhancement Course (SEC – II) 23PZOOS46: INTELLECTUAL PROPERTY RIGHTS	Claim the rights for the protection of their invention done in their project work. Identify criteria to fit one's own intellectual work in particular form of IPRs To get registration in our country and foreign countries of their invention, designs and thesis or theory written by students during their project. Acquire knowledge on IPR law, Cyber law and digital content protection