ADD-ON COURSES / COURSE OUTCOMES

PG & RESEARCH DEPARTMENT OF TAMIL

COURSE OUTCOMES		Bloom's Taxonomy / Cognitive Domain
ADTA01	**Reading of Imprints in Tamil (Suvadiyal)**	
CO1.	Gaining knowledge of the archaeological traits available in Tamil Nadu	Knowledge (Level 1)
CO2.	Analyzing the importance of the imprints, discovered by the archaeologists	Analysis (Level 4)
CO3.	Bringing out the importance of archaeology in Tamil to know the history of Tamil Nadu	Evaluation (level 5)
ADTA02	**Art of Adornment by Ancient Tamil (Oppanai Kalaithiran)**	
CO1.	Gaining knowledge of the evading arts of ancient Tamil Nadu	Knowledge (Level 1)
CO2.	Comprehending the importance of art of adornment in the life of the ancients	Comprehension (Level 2)
CO3	Evaluating the quality of life lead by the people of Tamil in the olden times	Evaluation (Level 5)
ADTA03	**Five Minor Epics (Ainchiru Kappiam)**	
CO1.	Acquiring knowledge of the five short puranas, inter-linked with each other	Knowledge (Level 1)
CO2.	Comprehending the concepts conveyed in the puranas	Comprehension (Level 2)
CO3.	Reliving the days during the Purana days by enacting out dramas	Synthesis (Level 6)

PG & RESEARCH DEPARTMENT OF ENGLISH

ADEN01	**Dynamic Communication**	
CO1.	Gaining knowledge of the use of language in various occasions in day to day life	Knowledge (Level 1)
CO2.	Analysing the skills needed for better communication	Evaluation (Level 5)
CO3.	Applying the acquired skills to official talks and finding out the effect on the receiver	Application (Level 3)
CO4.	Becoming better professionals by handling all sorts of official talks successfully	Synthesis (Level 6)
ADEN02	**Creation of Newspaper**	
CO1.	Gaining knowledge of the basics of journalism.	Knowledge (Level 1)
CO2.	Comprehending the various components of a newspaper	Comprehension (Level 2)
CO3.	Synthesizing abilities to write a variety of mass media products, including news stories and press releases.	Synthesis (Level 6)
CO4.	Creating and designing emerging media products, including social media.	Synthesis (Level 6)
CO5.	Mastering the skill and becoming journalists and media writers in future.	Synthesis (Level 6)
ADEN03	**Business Communication**	
CO1.	Acquire knowledge about objectives, elements, format and qualities of good business letter	Knowledge (Level 1)
CO2.	Drafting letters related to offers and quotations trade enquiry, trade order, status enquiry, complaints	Application (Level 3)

	and adjustments	
CO3.	Prepare application and resume for various jobs	Creation (Level 6)
CO4.	Draft collection letters, circular letters and banking and insurance correspondence	Creation (Level 6)

PG & RESEARCH DEPARTMENT OF MATHEMATICS

ADMA01   Theory of Numbers

CO1.	Acquiring the basic knowledge of divisibility, congruence, greatest common divisor, prime and prime-factorization.	Knowledge (Level 1)
CO2.	Exploring various techniques to congruencies of various types.	Analysis (Level 4)
CO3.	Applying the concept of Euler's function, Fermat's theorem and Wilson's theorem	Application (Level 3)
CO4.	Evaluating the product of r consecutive integers is divisible by r!	Evaluation (Level 5)

ADMA02   Quantitative Aptitude

CO1.	Remembering the meaning of BODMAS rule	Knowledge (Level 1)
CO2.	Understanding the concept of percentage on simple problems	Comprehension (Level 2)
CO3.	Applying the concept of time and work on real life problems	Application (Level 3)
CO4.	Analyzing the problem on trains with solved examples	Analysis (Level 4)

ADMA03   Set Theory and Logic

CO1.	Gaining knowledge of the basic set operations	Knowledge (Level 1)
CO2.	Comprehending the logical sequences and paradoxes	Comprehension (Level 2)
CO3.	Analyzing and applying the logically true and logically Equivalent statement	Application & Analysis (Level 3 & 4)

PG & RESEARCH DEPARTMENT OF CHEMISTRY

ADCH01   Laboratory Training

CO1.	Gaining knowledge of the equipments in the chemical laboratory	Knowledge (Level 1)
CO2.	Learning and applying the basic techniques used in the laboratory in the processes like preparation, purification andidentification.	Application (Level 3)
CO3.	Practising the gained knowledge of the concept of volumetric analysis	Synthesis (Level 6)
CO4.	Designing the employ of basic techniques used in chemistry laboratory.	Synthesis (Level 6)
CO5.	Being cautious of and avoiding the hazardous happenings in the laboratory	Synthesis (Level 6)

ADCH02   Mechanism and Reactions of Chemical Substances

CO1.	Gaining knowledge of the functional groups of organic compounds	Knowledge (Level 1)
CO2.	Analyzing the reactions and mechanisms of organic compounds.	Analysis (Level 4)
CO3.	Comprehending the concept of urides	Comprehension (Level 2)
CO4.	Solving the problem of vitamins deficiency	Synthesis (Level 6)

	ADCH03	Instrumental Analysis	
CO1.	Understanding the basic design and operating principles of some modern instruments used in chemical analysis..	Comprehension (Level 2)
CO2.	Applying the basic principles of spectroscopy techniques in daily life practices	Application (Level 3)
CO3.	Acquiring knowledge of the widely used analytical instruments	Knowledge (Level 1)
CO4.	Comprehending and adopting the skills in advanced methods of separation and analysis.	Comprehension (Level 2)
CO5.	Designing the various instruments used in chromatography techniques.	Synthesis (Level 6)
PG & RESEARCH DEPARTMENT OF PHYSICS			
	ADPH01	Renewable Energy Sources	
CO1.	Acquiring knowledge of the Renewable and Non- Renewable energy	Knowledge (Level 1)
CO2.	Understanding the various possible renewable energies available with us	Comprehension (Level 2)
CO3.	Analyzing and trapping the various forms of energy for utilization	Analysis (Level 4)
CO4.	Practising conversion of renewable energy for home appliances	Synthesis (Level 6)
	ADPH02	Instrumentation of Electrical Appliances	
CO1.	Gaining knowledge of the general principles and working of the electrical appliances	Knowledge (Level 1)
CO2.	Acquiring knowledge of the wiring materials and accessories	Knowledge (Level 1)
CO3.	Analyzing the pattern of work by the machines	Analysis (Level 4)
	ADPH03	Biomedical Instrumentation	
CO1.	Gaining knowledge of the principles of Bio medical instrumentation and measurement	Knowledge (Level 1)
CO2.	Comprehending the various types of Transducers	Comprehension (Level 2)
CO3.	Analyzing the Advancements in Biomedical Instrumentation	Analysis (Level 4)
PG & RESEARCH DEPARTMENT OF COMMERCE			
	ADBO01	Practical Banking	
CO1.	Understanding the relationship between banker and customer.	Comprehension (Level 2)
CO2.	Distinguishing the various types of deposits and loans offered by the bank.	Analysis (Level 4)
CO3.	Drafting letters to the bank relating to stop payment, dishonorof a cheque and requisition for an overdraft and agency services.	Synthesis (Level 6)
CO4.	Filling up application for opening account, Pay in slip, withdrawel slip, Cheque, DD Challan,NEFT and RTGS Forms	Synthesis (Level 6)
	ADBO02	Salesmanship	
CO1.	Recalling the concept, objectives, elements, activities and importance of work of logistics	Knowledge (Level 1)
CO2.	Comprehending logistics management process	Comprehending (Level 2)
CO3.	Examining the reason for outsourcing logistics and conclude the role of logistics providers.	Analysis (Level 4)

CO4.	Creating the strategic role of managers in strategic decisions, lean strategy and agile strategies.	Creation (Level 6)
CO5.	Applying the order cycle system in designing distribution channels.	Application (Level 3)
ADBO03	**Expertise in Business Law**	
CO1.	Understanding the essentials of a valid contract and analyse the performance, termination and discharge of contract.	Comprehending (Level 2)
CO2.	Becoming aware of the rules for creation and termination of agency contract	Comprehension (Level 2)
CO3.	Applying the provisions of Consumer Protection Act 1986 and Right to Information Act 2005 in real life situation.	Application (Level 3)
PG DEPARTMENT OF COMMERCE WITH COMPUTER APPLICATIONS		
ADCA01	**Commercial Practices**	
CO1.	Drafting letters and applications to the local bodies under various circumstances.	Synthesis (Level 6)
CO2.	Fixing brand name, prepare sales report, write minutes, agenda and advertisement slogan	Synthesis (Level 6)
CO3.	Filling up of forms relating to banking transactions and prepare saral form.	Synthesis (Level 6)
ADCA02	**Principles and Practices of Insurance**	
CO1.	Understanding the fundamental principles, importance and essentials of Insurance and gaining knowledge about IRDA	Comprehension (Level 2)
CO2.	Differentiating various types of insurance policies such as life, marine and fire insurance	Analysis (Level 4)
CO3.	Analysing the features of motor, health, personal, accident, sickness, burglary, cattle and crop insurance	Analysis (Level 4)
ADCA03	**Entrepreneurship Development**	
CO1.	Gaining Knowledge in entrepreneurship, steps to start business, preparation of project and decision making process.	Knowledge (Level 1)
CO2.	Understanding the role of institutional Finance to promote entrepreneurship	Comprehending (Level 2)
CO3.	Outlining project formulation and network analysis	Synthesis (Level 6)
CO4.	Comprehending decision making process oriented with cost benefit analysis sensitivity analysis and system analysis	Comprehending (Level 2)
PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE		
ADCS01	**Computer Fundamentals and MS Office**	
CO1.	Using various Office Automation Tools like MS Word, MS Excel & MS Power Point	Application (Level 3)
CO2.	Understanding the dynamics of an office environment	Comprehension (Level 2)
CO3.	Applying application software in an office environment	Application (Level 3)
ADCS02	**Multimedia and Animations**	
CO1.	Gaining knowledge of Multimedia and its components	Knowledge (Level 1)
CO2.	Evaluating the power of multimedia in increasing human-computer interaction	Evaluation (Level 5)

CO3.	Examining multimedia applications in several areas.	Analysis (Level 4)
ADCS03	**Python Programming**	
CO1.	Implementing database using SQLite.	Application (Level 3)
CO2.	Developing web applications using python programming.	Synthesis (Level 6)
CO3.	Writing clear and effective Python code.	Synthesis (Level 6)
	DEPARTMENT OF COMPUTER APPLICATIONS	
ADCA01	**Computer Applications for Automation**	
CO1.	Understanding the dynamics of an office environment	Comprehension (Level 2)
CO2.	Applying application software in an office environment	Application (Level 3)
CO3.	Using various Office Automation Tools like MS Word, MS Excel & MS Power Point.	Synthesis (Level 6)
ADCA02	**Python Programming**	
CO1.	Implementing database using SQLite.	Application (Level 3)
CO2.	Developing web applications using python programming.	Synthesis (Level 6)
CO3.	Writing clear and effective Python code.	Synthesis (Level 6)
ADCA03	**Multimedia and Animations**	
CO1.	Gaining knowledge of Multimedia and its components	Knowledge (Level 1)
CO2.	Evaluating the power of multimedia in increasing human-computer interaction	Evaluation (Level 5)
CO3.	Examining multimedia applications in several areas.	Analysis (Level 4)
	TANSCHE & MOTHER TERESA WOMEN'S UNIVERSITY	
UPEAS11/ UPEPH11/ UPECM11	**Professional English**	
CO1.	Understanding the importance of reading for life	Comprehension (Level 2)
CO2.	Understanding the importance of writing in academic life	Comprehension (Level 2)
CO3.	Using language for speaking with confidence in an intelligible and acceptable manner	Application (Level 3)
CO4.	Recognizing their own ability to improve their competence in using the language	Analysis (Level 5)
CO5.	Doing independent reading and comprehending unfamiliar texts	Synthesis (Level 6)
CO6.	Writing simple sentences without committing error in spelling or grammar	Synthesis (Level 6)