

1.2.2. Add-on Courses / Summary and Outcome Analysis / 2020 - 2021

2020 - 2021							
Professional English	UPEAS11 / UPEPH11 / UPECM1 1	2020 - 2021	1	220	216	2 hrs/week	Mother Teresa Women's University, Kodaikanal CO1. Understanding the importance of reading for life. CO2. Understanding the importance of writing in academic life. CO3. Using language for speaking with confidence in an intelligible and acceptable manner. CO4. Recognizing their own ability to improve their competence in using the language. CO5. Doing independent reading and comprehending unfamiliar texts. CO6. Writing simple sentences without committing error in spelling or grammar.
Reading of Imprints in Tamil (Suvadiyal)	ADTA01	2020 - 2021	1	23	20	30 hrs	Tamil CO1. Gaining knowledge of the archaeological traits available in Tamil Nadu. CO2. Analyzing the importance of the imprints, discovered by the archaeologists. CO3. Bringing out the importance of archeology in Tamil to know the history of Tamil Nadu.
Dynamic Communication	ADEN01	2020 - 2021	1	36	34	30 hrs	English CO1. Gaining knowledge of the use of language in various occasions in day to day life. CO2. Analysing the skills needed for better communication. CO3. Applying the acquired skills to official talks and finding out the effect on the receiver.

Theory of Numbers	ADMA01	2020 - 2021	1	13	12	30 hrs	Mathematics	<p>CO1. Acquiring the basic knowledge of divisibility, congruence, greatest common divisor, prime and prime-factorization.</p> <p>CO2. Exploring various techniques to congruencies of various types.</p> <p>CO3. Applying the concept of Euler's function, Fermat's theorem and Wilson's theorem.</p> <p>CO4. Evaluating the product of r consecutive integers is divisible by $r!$</p>
Renewable Energy Sources	ADPH01	2020 - 2021	1	6	6	30 hrs	Physics	<p>CO1. Acquiring knowledge of the Renewable and Non- Renewable energy.</p> <p>CO2. Understanding the various possible renewable energies available with us.</p> <p>CO3. Analyzing and trapping the various forms of energy for utilization.</p> <p>CO4. Practising conversion of renewable energy for home appliances.</p>
Laboratory Training	ADCH01	2020 - 2021	1	26	26	30 hrs	Chemistry	<p>CO1. Gaining knowledge of the equipments in the chemical laboratory.</p> <p>CO2. Learning and applying the basic techniques used in the laboratory in the processes like preparation, purification and identification.</p> <p>CO3. Practising the gained knowledge of the concept of volumetric analysis.</p> <p>CO4. Designing the employ of basic techniques used in chemistry laboratory.</p>

Computer Applications for Automation	ADCA01	2020 - 2021	1	7	7	30 hrs	Computer Applications	CO1. Understanding the dynamics of an office environment. CO2. Applying application software in an office environment. CO3. Using various Office Automation Tools like MS Word, MS Excel & MS Power Point.
Art of Adornment by Ancient Tamil (Oppanai Kalathiran)	ADTA02	2020 - 2021	1	32	32	30 hrs	Tamil	CO1. Gaining knowledge of the evading arts of ancient Tamil Nadu. CO2. Comprehending the importance of art of adornment in the life of the ancients. CO3. Evaluating the quality of life lead by the people of Tamil in the olden times.
Creation of Newspapers	ADENA02	2020 - 2021	1	45	45	30 hrs	English	CO1. Gaining knowledge of the basics of journalism. CO2. Comprehending the various components of a newspaper. CO3. Synthesizing abilities to write a variety of mass media products, including news stories and press releases. CO4. Creating and designing emerging media products, including social media. CO5. Mastering the skill and becoming journalists and media writers in future.
Quantitative Aptitude	ADMA02	2020 - 2021	1	23	23	30 hrs	Mathematics	CO1. Remembering the meaning of BODMAS rule. CO2. Understanding the concept of percentage on simple problems.

								CO3. Applying the concept of time and work on real life problems. CO4. Analyzing the problem on trains with solved examples.
Instrumentation of Electrical Appliances	ADPH02	2020 - 2021	1	22	22	30 hrs	Physics	CO1. Gaining knowledge of the general principles and working of the electrical appliances. CO2. Acquiring knowledge of the wiring materials and accessories. CO3. Analyzing the pattern of work by the machines.
Mechanism and Reactions of Chemical Substances	ADCH02	2020 - 2021	1	49	49	30 hrs	Chemistry	CO1. Gaining knowledge of the functional groups of organic compounds. CO2. Analyzing the reactions and mechanisms of organic compounds. CO3. Comprehending the concept of urides. CO4. Solving the problem of vitamins deficiency.
Salesmanship	ADBO02	2020 - 2021	1	30	29	30 hrs	Commerce	CO1. Recalling the concept, objectives, elements, activities and importance of work of logistics. CO2. Comprehending logistics management process. CO3. Examining the reason for outsourcing logistics and conclude the role of logistics providers. CO4. Creating the strategic role of managers in strategic decisions, lean strategy and agile strategies.

								CO5. Applying the order cycle system in designing distribution channels.
Principles and Practices of Insurance	ADBC02	2020 - 2021	1	63	53	30 hrs	Commerce with CA	CO1. Understanding the fundamental principles, importance and essentials of Insurance and gaining knowledge about IRDA. CO2. Differentiating various types of insurance policies such as life, marine and fire insurance. CO3. Analysing the features of motor, health, personal, accident, sickness, burglary, cattle and crop insurance.
Multimedia and Animations	ADCS02	2020 - 2021	1	40	38	30 hrs	Computer Science	CO1. Gaining knowledge of Multimedia and its components. CO2. Evaluating the power of multimedia in increasing human-computer interaction. CO3. Examining multimedia applications in several areas.
Python Programming	ADCA02	2020 - 2021	1	12	11	30 hrs	Computer Applications	CO1. Implementing database using SQLite. CO2. Developing web applications using python programming. CO3. Writing clear and effective Python code.
Five Minor Epics (Ainchiu Kappiam)	ADTA03	2020 - 2021	1	61	60	30 hrs	Tamil	CO1. Acquiring knowledge of the five short Puranas, inter-linked with each other. CO2. Comprehending the concepts conveyed in the Puranas. CO3. Reliving the days during the Purana days by enacting out dramas.

Business Communication	ADEN03	2020 - 2021	1	50	50	30 hrs	English	CO1. Acquiring knowledge about objectives, elements, format and qualities of good business letter. CO2. Drafting letters related to offers and quotations trade enquiry, trade order, status enquiry, complaints and adjustments. CO3. Preparing application and resume for various jobs. CO4. Drafting collection letters, circular letters and banking and insurance correspondence.
Set Theory and Logic	ADMA03	2020 - 2021	1	39	39	30 hrs	Mathematics	CO1. Gaining knowledge of the basic set operations. CO2. Comprehending the logical sequences and paradoxes. CO3. Analyzing and applying the logically true and logically Equivalent statement.
Biomedical Instrumentation	ADPH03	2020 - 2021	1	21	20	30 hrs	Physics	CO1. Gaining knowledge of the principles of Bio medical instrumentation and measurement. CO2. Comprehending the various types of Transducers. CO3. Analyzing the Advancements in Biomedical Instrumentation.
Instrumental Analysis	ADCH03	2020 - 2021	1	58	58	30 hrs	Chemistry	CO1. Understanding the basic design and operating principles of some modern instruments used in chemical analysis

								<p>CO2. Applying the basic principles of spectroscopy techniques in daily life practices.</p> <p>CO3. Acquiring knowledge of the widely used analytical instruments.</p> <p>CO4. Comprehending and adopting the skills in advanced methods of separation and analysis.</p> <p>CO5. Designing the various instruments used in chromatography techniques.</p>
Expertise in Business Law	ADBO03	2020 - 2021	1	25	22	30 hrs	Commerce	<p>CO1. Understanding the essentials of a valid contract and analyse the performance, termination and discharge of contract.</p> <p>CO2. Becoming aware of the rules for creation and termination of agency contract.</p> <p>CO3. Applying the provisions of Consumer Protection Act 1986 and Right to Information Act 2005 in real life situation.</p>
Entrepreneurship Development	ADBC03	2020 - 2021	1	63	53	30 hrs	Commerce with CA	<p>CO1. Gaining Knowledge in entrepreneurship, steps to start business, preparation of project and decision making process.</p> <p>CO2. Understanding the role of institutional Finance to promote entrepreneurship.</p> <p>CO3. Outlining project formulation and network analysis.</p>

								CO4. Comprehending decision making process oriented with cost benefit analysis sensitivity analysis and system analysis.
Python Programming	ADCS03	2020 - 2021	1	36	33	30 hrs	Computer Science	CO1. Implementing database using SQLite. CO2. Developing web applications using python programming. CO3. Writing clear and effective Python code.
Multimedia and Animations	ADCA03	2020 - 2021	1	30	28	30 hrs	Computer Applications	CO1. Gaining knowledge of Multimedia and its components. CO2. Evaluating the power of multimedia in increasing human-computer interaction. CO3. Examining multimedia applications in several areas.

Dr. R. Theew
PRINCIPAL

Sakthi College of Arts and Science for Women
Sakthi Nagar, Palakkannuthu (Pn),
Ottantheerthi, Palakkad District - 686 612.