

ACADEMIC CURRICULA
UNDERGRADUATE DEGREE PROGRAMME

**Bachelor of Science in
Economics
Three Years**

**Bachelor of Science (Honours) in
Economics
Four Years**

**Learning Outcomes based Curriculum Framework
(LOCF)**

Choice Based Flexible Credit System

**Academic Year
2023 – 2024**



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)
Kattankulathur- 603203, Chengalpattu District, Tamil Nadu, India

DEPARTMENT OF ECONOMICS

1. Department Vision Statement	
Stmnt - 1	Always strive to be the frontiers in learning Economics and Econometrics and inculcating knowledge in all possible related dimensions
Stmnt - 2	Exploring the economic study and analysis, policy framing and implementation issues faced by the Indian economy along with the analysis of other economies in the world. The department thrives to reach standards of excellence in teaching, research and consultancy.
Stmnt - 3	Provides a solid foundation in economic theory and applied economics, qualitative and quantitative preparation, international and comparative economics, banking and fiscal policies.

2. Department Mission Statement	
Stmnt - 1	To prepare students for acquiring applied knowledge of economics to enhance their employability and entrepreneurship.
Stmnt - 2	To develop analytical and quantitative abilities and problem-solving aptitude through academics
Stmnt - 3	To enable the students to identify issues related to the economy, business, public policy, and society
Stmnt - 4	To strongly embed our academic programmes in a research context and give priority to fundamental and applied scientific research which can contribute to stimulating the economic and managerial performance of organizations.
Stmnt - 5	To ensure that our students have the integrative and critical thinking skills as well as quantitative and qualitative abilities to analyze complex domestic economic, social and global problems.

3. Program Education Objectives (PEO)	
PEO - 1	Proficiency: Understanding the theories of Economics, Mathematics, and Econometrics and apply the same to the development of research across various disciplines of study.
PEO - 2	Analytical Ability: Developing skilfulness to identify and analyse the various issues in the present economic environment and take them into account in the formulation of policies in various sectors.
PEO - 3	Continuous learning: Helps and supports to aware about the current techniques, skills, and econometric tools necessary for analyzing Macro-economic data and imbibe the art of adaptive learning towards the developing of various quantitative techniques.
PEO - 4	Demonstration Skill: An ability to provide solutions effectively to the society.
PEO - 5	Social Connect: An understanding of professional, ethical, legal, security and social issues, responsibilities

4. Program Specific Outcomes (PSO)	
PSO - 1	The learners will expand their skill sets and develop professional proficiency to establish themselves as prominent resource to fit in Data Analysis, Financial Planning, Investment Analysis and Research environments
PSO - 2	The learners will find an optimal positions in their career ladders by engaging them in continuous learning process
PSO - 3	The learners will be proficient in technical skills, evaluate and create themselves as a demandable resource, socially responsible

5. Consistency of PEO's with Mission of the Department					
	Mission Stmnt. - 1	Mission Stmnt. - 2	Mission Stmnt. - 3	Mission Stmnt. - 4	Mission Stmnt. - 5
PEO - 1	H	M	H	H	H
PEO - 2	H	H	H	M	M
PEO - 3	H	M	H	H	H
PEO - 4	L	L	M	M	H
PEO - 5	H	H	H	H	M

H – High Correlation, M – Medium Correlation, L – Low Correlation

6. Consistency of PEO's with Program Learning Outcomes (PLO)															
	Program Learning Outcomes (PLO)														
	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Professional Behavior	Life Long Learning
PEO - 1	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEO - 2	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEO - 3	H	H	H	H	H	H	H	H	H	H	H	M	H	H	H
PEO - 4	H	M	H	M	H	M	L	M	L	H	H	L	M	H	H
PEO - 5	H	H	H	H	H	H	H	M	H	H	H	H	H	H	H

H – High Correlation, M – Medium Correlation, L – Low Correlation

1. PROGRAM STRUCUTRE

1. Discipline Specific Core Courses (C) (20 Courses)							2. Discipline Specific Elective Courses (D) (5 Courses)						
Course Code	Course Title	Hours/ Week				C	Course Code	Course Title	Hours/ Week				C
		L	T	P	O				L	T	P	O	
UEY23101J	Micro Economics - I	3	0	3	2	4	UEY23D01J	Environmental and Resource Economics	3	0	2	2	4
UEY23102J	Geometry and Algebra for Economics	3	0	3	2	4	UEY23D02J	Financial Economics					
UEY23103J	History of Economic Thought	3	0	3	2	4	UEY23D03J	Agricultural Economics	3	0	2	2	4
UEY23201J	Micro Economics - II	3	0	3	2	4	UEY23D04J	Behavioural Economics					
UEY23202J	Calculus for Economics	3	0	3	2	4	UEY23D05J	Social Economics	3	0	3	2	4
UEY23203J	Statistical Methods for Economics	3	0	2	2	4	UEY23D06J	Industrial Economics					
UEY23301J	Macro Economics - I	3	0	3	2	4	UEY23D07T	Health Economics	4	0	0	2	4
UEY23302J	Basic Econometrics	3	0	3	2	4	UEY23D08T	Entrepreneurship Development					
UEY23303J	Economics of Growth and Development	3	0	3	2	4	UEY23D09J	Energy Economics	3	0	2	2	4
UEY23401J	Macro Economics - II	3	0	3	2	4	UEY23D10J	Gender Economics					
UEY23402J	Applied Econometrics	3	0	3	2	4	Total Learning Credits						20
UEY23403J	Public Economics	3	0	3	2	4	4. Skill Enhancement Courses(S) (5 Courses)						
UEY23501J	Monetary Economics	3	0	3	2	4	Course Code	Course Title	Hours/ Week				C
UEY23502J	International Economics	3	0	3	2	4			L	T	P	O	
UEY23503J	Indian Economy – Policy and Performance	3	0	3	2	4	UCD23S01L	Quantitative Aptitude and Logical Reasoning	0	0	2	2	1
UEY23601J	Capital Market and Investment Analysis	3	0	3	2	4	UCD23S02T	Verbal Ability and Skill Development	2	0	0	2	2
UEY23602J	Experimental Economics	3	0	3	2	4	UEY23S01L	Computer Fundamentals for Economics	0	0	2	2	1
UEY23603T	Research Methodology and Data Analysis	4	0	0	2	4	UEY23S02J	Econometric Analysis using R	1	0	2	2	2
UEY23701J	Financial Econometrics	3	0	3	2	4	UEY23S03J	Applications of SQL – RDBMS in Economics	1	0	1	2	1
UEY23801J	Labour Economics	3	0	2	2	4	Total Learning Credits						7
Total Learning Credits						80							

3. Generic Elective Courses (G)						
(9 Courses)						
Course Code	Course Title	Hours/ Week				
		L	T	P	O	C
ULT23G01J	Tamil - I	2	0	2	2	3
ULH23G01J	Hindi - I					
ULF23G01J	French - I					
ULT23G02J	Tamil - II	2	0	2	2	3
ULH23G02J	Hindi - II					
ULF23G02J	French - II					
UEY23G01J	Foundations of Data Science	3	0	2	2	4
UEY23G02T	Introduction to Game Theory	4	0	0	2	4
UEY23G03J	Operations Research	3	0	2	2	4
UEY23G04J	Actuarial Science	3	0	2	2	4
UEY23G05J	Economic Journalism	3	0	2	2	4
UEY23G06J	Geoeconomics	3	0	2	2	4
UEY23G07T	Law and Economics	4	0	0	2	4
Total Learning Credits						34

7. Internship/Apprenticeship / Project/ Community Outreach (IAPC)						
(6 Courses)						
Course Code	Course Title	Hours/ Week				
		L	T	P	O	C
UEY23P01L	Internship – I	0	0	0	0	1
UEY23P02L	Internship – II	0	0	0	0	1
UEY23P03L	Internship – III	0	0	0	0	2
UEY23P04L	Mini Project	0	0	4	2	2
UEY23P05L	Project Phase - I	0	0	8	2	4
UEY23P06L	Project Phase - II	0	0	12	2	6
Total Learning Credits						16

5. Ability Enhancement Courses (AE)						
(4 Courses)						
Course Code	Course Title	Hours/ Week				
		L	T	P	O	C
ULE23AE1T	English	4	0	0	2	4
UES23AE1T	Environmental Studies	3	0	0	2	3
ULT23AE1J	Applied Tamil – I	1	0	2	2	2
ULH23AE1J	Applied Hindi – I					
ULF23AE1J	French for Specific Purpose - I					
ULT23AE2J	Applied Tamil – II	1	0	2	2	2
ULH23AE2J	Applied Hindi - II					
ULF23AE2J	French for Specific Purpose - II					
Total Learning Credits						11

6. Value Addition Course (V)						
(4 Courses)						
Course Code	Course Title	Hours/ Week				
		L	T	P	O	C
UCD23V01T	Universal Human Values	2	0	0	2	2
UEN23V01L	Communication Skill	0	0	4	2	2
UCD23V03T	Industry oriented Employability skills for Arts	2	0	0	2	2
UCD23V06T	Career Readiness and Leadership Management	2	0	0	2	2
Total Learning Credits						8

8.Mandatory Courses(M)						
(2 Courses)						
Course Code	Course Title	Hours/ Week				
		L	T	P	O	C
UNS23M01L	NSS	0	0	0	0	0
UNC23M01L	NCC					
UNO23M01L	NSO					
UYG23M01L	YOGA					
UMI23M01L	My India Project					
Total Learning Credits						0

2. IMPLEMENTATION PLAN

Semester - I						
Course	Course	Hours/ Week				
Code	Title	L	T	P	O	C
ULT23G01J	Tamil – I	2	0	2	2	3
ULH23G01J	Hindi – I					
ULF23G01J	French – I					
ULE23AE1T	English	4	0	0	2	4
UEY23101J	Micro Economics – I	3	0	3	2	4
UEY23102J	Geometry and Algebra for Economics	3	0	3	2	4
UEY23103J	History of Economic Thought	3	0	3	2	4
UCD23S01L	Quantitative Aptitude and Logical Reasoning	0	0	2	2	1
UCD23V01T	Universal Human Values	2	0	0	2	2
Total Learning Credits		17	0	13	14	22
Total number of Hours/Week						30

Semester - II						
Course	Course	Hours/ Week				
Code	Title	L	T	P	O	C
ULT23G02J	Tamil – II	2	0	2	2	3
ULH23G02J	Hindi – II					
ULF23G02J	French – II					
UES23AE1T	Environmental Studies	3	0	0	2	3
UEY23201J	Micro Economics – II	3	0	3	2	4
UEY23202J	Calculus for Economics	3	0	3	2	4
UEY23203J	Statistical Methods for Economics	3	0	2	2	4
UCD23S02T	Verbal Ability and Skill Development	2	0	0	2	2
UEN23V01L	Communication Skills	0	0	4	2	2
UNS23201L UNC23201L UNO23201L UYG23201L	NSS NCC NSO YOGA	0	0	0	0	0
Total Learning Credits		16	0	14	14	22
Total number of Hours/Week						30

Semester - III						
Course	Course	Hours/ Week				
Code	Title	L	T	P	O	C
UEY23301J	Macro Economics – I	3	0	3	2	4
UEY23302J	Basic Econometrics	3	0	3	2	4
UEY23303J	Economics of Growth and Development	3	0	3	2	4
ULT23AE1J	Applied Tamil – I	1	0	2	2	2
ULH23AE1J	Applied Hindi – I					
ULF23AE1J	French for Specific Purpose - I					
UEY23G01J	Foundations of Data Science	3	0	2	2	4
UEY23S01L	Computer Fundamentals for Economics	0	0	2	2	1
UEY23P01L	Internship – I	0	0	0	0	1
UCD23V03T	Industry oriented Employability skills for Arts	2	0	0	2	2
Total Learning Credits		15	0	15	14	22
Total number of Hours/Week						30

Semester - IV						
Course	Course	Hours/ Week				
Code	Title	L	T	P	O	C
UEY23401J	Macro Economics – II	3	0	3	2	4
UEY23402J	Applied Econometrics	3	0	3	2	4
UEY23403J	Public Economics	3	0	3	2	4
ULT23AE2J	Applied Tamil – II	1	0	2	2	2
ULH23AE2J	Applied Hindi – II					
ULF23AE2J	French for Specific Purpose - II					
UEY23G02T	Introduction to Game Theory	4	0	0	2	4
UEY23S02J	Econometric Analysis using R	1	0	2	2	2
UCD23V06T	Career Readiness and Leadership Management	2	0	0	2	2
UMI23M01L	My India Project	0	0	0	0	0
Total Learning Credits		17	0	13	14	22
Total number of hours/Week						30

Semester - V						
Course	Course	Hours/ Week				
Code	Title	L	T	P	O	C
UEY23501J	Monetary Economics	3	0	3	2	4
UEY23502J	International Economics	3	0	3	2	4
UEY23503J	Indian Economy – Policy and Performance	3	0	3	2	4
UEY23D01J	Environmental and Resource Economics	3	0	2	2	4
UEY23D02J	Financial Economics					
UEY23G03J	Operations Research	3	0	2	2	4
UEY23S03J	Applications of SQL – RDBMS in Economics	1	0	1	2	1
UEY23P02L	Internship – II	0	0	0	0	1
Total Learning Credits		16	0	14	12	22
Total number of hours/Week		30				

Semester - VI						
Course	Course	Hours/ Week				
Code	Title	L	T	P	O	C
UEY23601J	Capital Market and Investment Analysis	3	0	3	2	4
UEY23602J	Experimental Economics	3	0	3	2	4
UEY23603T	Research Methodology and Data Analysis	4	0	0	2	4
UEY23D03J	Agricultural Economics	3	0	2	2	4
UEY23D04J	Behavioural Economics					
UEY23G04J	Actuarial Science	3	0	2	2	4
UEY23P04L	Mini Project	0	0	4	2	2
Total Learning Credits		16	0	14	12	22
Total number of Hours/Week		30				
Total Learning Credits – 132						

Semester - VII						
Course	Course	Hours/ Week				
Code	Title	L	T	P	O	C
UEY23701J	Financial Econometrics	3	0	3	2	4
UEY23D05J	Social Economics	3	0	3	2	4
UEY23D06J	Industrial Economics					
UEY23G05J	Economic Journalism	3	0	2	2	4
UEY23G06J	Geoeconomics	3	0	2	2	4
UEY23P03L	Internship – III	0	0	0	0	2
UEY23P05L	Project Phase – I	0	0	8	2	4
Total Learning Credits		12	0	18	10	22
Total number of hours/Week						30

Semester - VIII						
Course	Course	Hours/ Week				
Code	Title	L	T	P	O	C
UEY23801J	Labour Economics	3	0	2	2	4
UEY23D07T	Health Economics	4	0	0	2	4
UEY23D08T	Entrepreneurship Development					
UEY23D09J	Energy Economics	3	0	2	2	4
UEY23D10J	Gender Economics					
UEY23G07T	Law and Economics	4	0	0	2	4
UEY23P06L	Project Phase – II	0	0	12	2	6
Total Learning Credits		14	0	16	10	22
Total number of Hours/Week		30				
Total Learning Credits – 176						

Courses for earning Additional Credits

Course Code	Course Title	Hours/ Week				
		L	T	P	O	C
Semester – II						
UCD23P01L	Internship Report– I	0	0	8	0	4
UCD23P02L	Project Work – I					
UCD23P03L	Apprenticeship – I					
Semester – IV						
UCD23P04L	Internship Report– II	0	0	8	0	4
UCD23P05L	Project Work – II					
UCD23P06L	Apprenticeship – II					
	Total Learning Credits	0	0	8	0	4

Note : Those students who decide to exit at the end of the First year shall register for any one of the courses mentioned under Semester – II; and decide to exit at the end of the Second year shall register for any one of the courses mentioned under Semester – IV in the above list.

3. Programme Articulation Matrix

Course Code	Course Name	Programme Learning Outcomes													
		Fundamental	Application of	Link with Related	Procedural Knowledge	Skills in Specialization	Ability to Utilize	Skills in Modeling	Analyze, Interpret	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Professional Behavior
UEY23101J	Micro Economics – I	H	H	M	M	L	L	L	L	L	L	L	H	M	M
UEY23102J	Geometry and Algebra For Economics	H	H	M	H	M	L	M	M	L	L	M	H	M	L
UEY23103J	History of Economic Thought	H	H	M	M	M	L	L	L	L	L	L	H	M	M
UEY23201J	Micro Economics - II	H	H	M	M	M	L	M	M	L	M	L	H	M	M
UEY23202J	Calculus for Economics	H	M	M	M	M	L	M	L	M	M	L	H	H	H
UEY23203J	Statistical Methods for Economics	H	H	M	H	M	L	L	L	M	M	M	H	M	M
UEY23301J	Macro Economics - I	H	M	M	M	M	L	M	L	M	M	M	H	H	H
UEY23302J	Basic Econometrics	H	H	M	M	M	L	L	L	M	M	M	M	M	M
UEY23303J	Economics of Growth and Development	H	H	H	H	M	L	L	L	M	M	M	M	L	L
UEY23401J	Macro Economics - II	H	H	H	H	M	L	L	L	M	L	M	H	L	H
UEY23402J	Applied Econometrics	H	H	M	H	M	L	M	M	L	L	M	H	M	L
UEY23403J	Public Economics	H	H	M	H	M	L	M	M	L	L	M	H	M	L
UEY23501J	Monetary Economics	H	H	H	H	M	L	L	L	H	L	M	H	H	H
UEY23502J	International Economics	H	H	M	M	M	L	L	L	M	M	M	M	M	M
UEY23503J	Indian Economy – Policy and Performance	H	H	M	H	M	L	L	L	M	M	M	H	M	M
UEY23601J	Capital Market and Investment Analysis	H	H	M	H	M	L	L	L	M	M	M	H	M	M
UEY23602J	Experimental Economics	H	H	M	M	M	L	L	L	M	M	H	M	M	M
UEY23603T	Research Methodology and Data Analysis	H	H	M	M	M	L	L	L	L	M	H	M	H	L
UEY23701J	Financial Econometrics	H	H	M	H	M	L	H	M	L	L	M	H	M	L
UEY23801J	Labour Economics	H	H	M	H	M	L	L	L	M	M	M	H	M	M
UEY23D01J	Environmental and Resource Economics	H	H	M	M	H	H	H	M	M	M	L	H	H	M
UEY23D02J	Financial Economics	H	H	M	H	M	L	L	L	M	M	M	H	M	M
UEY23D03J	Agricultural Economics	H	H	M	M	M	L	L	L	M	M	M	M	M	M
UEY23D04J	Behavioural Economics	H	H	M	M	M	L	L	L	M	M	H	M	M	M
UEY23D05J	Social Economics	H	H	M	H	M	L	L	L	M	M	M	H	M	M
UEY23D06J	Industrial Economics	H	H	M	H	M	L	L	L	M	M	M	H	M	M
UEY23D07T	Health Economics	H	H	M	H	M	L	L	L	M	M	M	H	M	M

UEY23D08T	Entrepreneurship Development	H	H	M	M	H	H	H	M	M	M	L	H	H	M	M
UEY23D09J	Energy Economics	H	H	H	M	M	M	H	M	M	L	L	H	H	M	M
UEY23D10J	Gender Economics	H	H	M	M	H	H	H	M	M	M	L	H	H	M	M
ULT23G01J	Tamil - I	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
ULH23G01J	Hindi - I	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
ULF23G01J	French - I	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
ULT23G02J	Tamil - II	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
ULH23G02J	Hindi - II	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
ULF23G02J	French - II	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
UEY23G01J	Foundations of Data Science	H	H	M	M	H	H	H	M	M	M	L	H	H	M	M
UEY23G02T	Introduction to Game Theory	H	M	M	M	M	L	M	L	M	M	L	H	H	H	H
UEY23G03J	Operations Research	H	H	M	M	H	H	H	M	M	M	L	H	H	M	M
UEY23G04J	Actuarial Science	H	H	M	M	H	H	H	M	M	M	L	H	H	M	M
UEY23G05J	Economic Journalism	H	H	M	M	H	H	H	M	M	M	L	H	H	M	M
UEY23G06J	Geoeconomics	H	H	M	M	H	H	H	M	M	M	L	H	H	M	M
UEY23G07T	Law and Economics	H	H	M	M	H	H	H	M	M	M	L	H	H	M	M
UCD23S01L	Quantitative Aptitude and Logical Reasoning	H	M	M	M	M	L	M	L	M	M	L	H	H	H	H
UCD23S02T	Verbal Ability and Skill development	H	M	M	M	M	L	M	L	M	M	L	H	H	H	H
UEY23S01L	Computer Fundamentals for Economics	H	H	M	M	M	L	M	M	L	M	L	H	M	M	L
UEY23S02J	Econometric Analysis using R	H	M	M	M	M	L	M	L	M	M	M	H	H	H	H
UEY23S03J	Applications of SQL – RDBMS in Economics	H	H	M	M	M	L	L	L	M	M	M	M	M	M	M
ULE23AE1T	English	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
UES23AE1T	Environmental Studies	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
ULT23AE1J	Applied Tamil – I	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
ULH23AE1J	Applied Hindi – I	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
ULF23AE1J	French for Specific Purpose - I	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
ULT23AE2J	Applied Tamil – II	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
ULH23AE2J	Applied Hindi - II	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
ULF23AE2J	French for Specific Purpose - II	M	-	-	-	-	L	-	-	-	M	-	-	-	L	L
UCD23V01T	Universal Human Values	M	M	-	-	L	L	-	-	-	M	H	-	-	M	H
UEN23V01L	Communication Skill	M	H	-	-	H	L	-	-	-	L	H	-	-	M	H
UCD23V03T	Industry oriented Employability skills for Arts	H	M	-	-	L	L	-	-	-	H	M	M	M	H	H
UCD23V06T	Career Readiness and Leadership Management	H	M	-	-	L	L	-	-	-	L	H	-	L	H	H
UCD23V01T	Universal Human Values	M	M	-	-	L	L	-	-	-	M	H	-	-	M	H
UEN23V01L	Communication Skill	M	H	-	-	H	L	-	-	-	L	H	-	-	M	H
UEY23P01L	Internship – I	M	M	H	L	M	H	M	H	H	H	H	H	H	M	L
UEY23P02L	Internship – II	M	M	H	L	M	H	M	H	H	H	H	H	H	M	L
UEY23P03L	Internship – III	M	H	H	M	M	H	M	H	H	M	H	H	M	M	H
UEY23P04L	Mini Project	M	M	H	L	M	H	M	H	H	H	H	H	H	M	L
UEY23P05L	Project Phase-I	M	H	H	M	M	H	M	H	H	M	H	H	M	M	H
UEY23P06L	Project Phase-II	M	H	H	M	M	H	M	H	H	M	H	H	M	M	H
UNS23M01L	NSS															
UNC23M01L	NCC															
UNO23M01L	NSO															
UYG23M01L	YOGA															
UMI23M01L	My India Project															
Programme Average		H	H	M	H	M	L	L	L	M	M	M	H	M	M	M

H – High Correlation, M – Medium Correlation, -/L – Low Correlation;

SEMESTER I

Course Code	ULT23G01J	Course Name	TAMIL – I	Course Category	G	Generic Elective Course	L	T	P	O	C
							2	0	2	2	3

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Tamil	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1:	மரபிலிருந்து மாற்றம் பெற்ற புதுக்கவிதை மரபின் சிந்தனைகளை அறியச் செய்தல்	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	புதுக்கவிதையின் வழி மனித வாழ்வியல் விழுமியங்களைத் தெரியச் செய்தல்	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO-3
CLR-3:	சுற்றிலக்கியங்கள்: காப்பியங்கள் கற்பிக்கும் தமிழ்ச் சமூகத்தின் வாழ்வியலை அறியச் செய்தல்																		
CLR-4:	நவீன தமிழ் இலக்கிய வளர்ச்சி வரலாற்றைப் புரியச் செய்தல்																		
CLR-5:	மொழிப் பயிற்சி வழி மொழியின் பல்வேறு நுட்பங்களைத் தெரியச் செய்தல்																		
Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:																		
CLO-1:	புதுக்கவிதை உருவாக்கித் தந்த புதிய சிந்தனைக் களங்களை அறிந்துகொள்ளுதல்	2	75	60	H	H	-	H	-	H	H	-	M	H	-	H	H	-	-
CLO-2:	நவீன கவிதைகள் வழி மாற்றம் பெற்று வரும் மானுட விழுமியங்களைத் தெரிந்துகொள்ளுதல்	2	80	70	H	H	-	H	-	H	H	-	H	M	-	H	H	-	-
CLO-3:	தமிழ்ச்சமூகத்தின் இடைக்கால வாழ்வியல் முறைகளை உணர்ந்துகொள்ளுதல்	2	70	65	H	H	-	H	-	H	H	-	H	M	-	H	H	-	-
CLO-4:	நவீன இலக்கிய வரலாறு வழி தமிழ்க் கல்வி வரலாறு, சமூக வரலாறு பெற்ற வளர்ச்சி நிலைகளைத் தெரிந்துகொள்ளுதல்	2	70	70	H	H	-	H	-	H	H	-	H	H	-	H	H	-	-
CLO-5:	மொழியின் நுட்பங்களை அறிந்து மொழி ஆளுமையோடு செயல்பட அறிந்துகொள்ளுதல்	2	80	70	H	H	-	H	-	H	H	-	H	H	-	H	H	-	-

Duration (hour)		Learning Unit / Module 1 12	Learning Unit / Module 2 12	Learning Unit / Module 3 12	Learning Unit / Module 4 12	Learning Unit / Module 5 12
S-1	SLO-1	தமிழ் இலக்கியத்தின் வளர்ச்சிப் போக்குகள்	நவீன கவிதை தோற்றம்	தமிழரின் வீரமரபு	சிறிலக்கியத் தோற்றம்	தமிழ் உரைநடை மரபில் உ.வே.சா.
	SLO-2	இலக்கிய உத்திகள்	நவீன கவிதை வரலாறு	போர் விழுமியங்கள்	சிறிலக்கிய வகைமை	ராஜ வைத்தியம்
S-2	SLO-1	தமிழ்க் கவிதை மரபு	நவீன கவிதை செல்நெறிகள்	பரணி அறிமுகம்	சிறிலக்கியங்கள்	வைத்தியர்களின் சிறப்பு
	SLO-2	காலந்தோறும் கவிதையின் கரு	செல்நெறிகளில் கோட்பாடுகள்	பரணி இலக்கியங்கள்	முதன்மைச் சிறிலக்கியங்கள் -	கழனியூரன் - அறிமுகம்
S-3	SLO-1	காலந்தோறும் கவிதையின் கட்டமைப்பு	கவிதை மொழி	கலிங்கத்துப்பரணி 477,490	பிள்ளைத்தமிழ் - உலா - தூது	சிறுதெய்வ வழிபாடு
	SLO-2	தற்கால இலக்கியம்	நவீன கவி ஆளுமைகள்	தலைவனின் வீரம்	புதுக்கவிதையில் சமூகம்	பொன் காத்த ஐயனார்
S-4	SLO-1	புதுக்கவிதை உருவாக்கம்	பெண் கவிஞர்கள்	தமிழ் இலக்கிய மரபில் தூது	புதுக்கவிதையும் இதழ்களும்	விருந்து - கள்ளர் செயல்கள்
	SLO-2	புதுக்கவிதை வளர்ச்சிநெறிகள்	கவிதையில் நாட்டுப்புற வடிவம்	தூது இலக்கியங்கள்	மணிக்கொடி இதழ்	பிழை நீக்கி எழுதுதல்
S-5	SLO-1	பாரதியார் - புதுக்கவிதையின் அடையாளம்	இளம்பிறை - அம்மா	தமிழ் விடு தூது (184 - 186)	எழுத்து இதழ்	எழுத்துப் பிழை
	SLO-2	பாரதியார் பன்முக ஆளுமைத்திறன்	பெண்களின் கல்வி நிலை	தமிழின் பெருமை	வானம்பாடி இதழ்	தொடர்பிழை
S-6	SLO-1	பாரத தேசம்	பெண் அடக்குமுறை	செய்யுள் மரபில் கலம்பகம்	சிறுகதை தோற்றம்	உயர்திணை, அஃறிணை
	SLO-2	பாரததேசத்தின் வளம்	ப. கல்பனா - கீறல் விழுந்த மாலைக் காலங்கள்	கலம்பக இலக்கியங்கள்	சிறுகதை வளர்ச்சி	பிறமொழிச் சொற்கள் வரலாறு
S-7	SLO-1	வெள்ளிப் பனிமலையின் மீதுலவுவோம்...	ஆண் பெண் சமத்துவம்	நந்திக் கலம்பகம்-வானுறு மதியை (110)	சிறுகதை - வரலாறு	பிறமொழிச் சொற்களை நீக்கி எழுதுதல்
	SLO-2	20 ஆம் நூற்றாண்டுக் கவிதை மரபில் பாரதிதாசன்	விளிம்புநிலை வாழ்வியல்	கையறுநிலை	சிறுகதை ஆசிரியர்கள்	ஷ. ஜ. ஸ. ஹ மாற்றொலிகள்
S-8	SLO-1	பாரதிதாசன் - அழகின் சிரிப்பு	திருநங்கை குணவதி - சமூகப்பார்வை	குறவஞ்சி அறிமுகம்	இதழ்களும் சிறுகதையும்	தமிழ் இலக்கண நூட்பங்கள்
	SLO-2	ஆல் - ஆயிரம் கிளைகள் கொண்ட அடிமரம்	திருநர்களும் சாதனைகளும்	குறவஞ்சி இலக்கியங்கள்	புதினம் தோற்றம்	இலக்கணமும் பயன்பாடும்
S-9	SLO-1	இயற்கையின் அழகியல்	புலம்பெயர் வாழ்வியல்	குற்றாலக் குறவஞ்சி - ஆடுமர வீனுமணி (3)	தொடக்கக்காலப் புதினங்கள்	தமிழில் சொல் வகைகள்

	SLO-2	வானம்பாடியில் மு.மேத்தா	ஸர்மிளா ஸெய்யித் – புராதன ஊர்	மலையும் வாழ்வும்	புதினம் வளர்ச்சி	சொல்லும் பயன்பாடும்
S-10	SLO-1	மு.மேத்தா - கவிதையின் தனித்தன்மைகள்	புலம் பெயர் வாழ்வின் வலியும் நம்பிக்கையும்	காப்பிய இலக்கணம்	புதினத்தின் வகைமை	பெயர்ச்சொற்கள்
	SLO-2	மனிதனைத்தேடி – கவிதை	காலந்தோறும் கவிதை வடிவில் மாற்றங்கள்	காப்பிய வகைமைகள்	புதின ஆசிரியர்கள்	பெயர்ச்சொற்கள் அறிதல்
S-11	SLO-1	மனிதநேயம்	ஹைக்கூ. லிமரைக்கூ. சென்ரியூ – தேர்ந்தெடுத்த கவிதைகள்	சிலப்பதிகாரம் – அறிமுகம்	தமிழ் இலக்கியத்தில் உரைநடைக்கூறுகள்	வினைச்சொற்கள்
	SLO-2	தமிழ்க் கவிதையில் சுற்றுச்சூழலியல்	ஹைக்கூ – மு.முருகேஷ்	கட்டுரைக்காதை	உரைநடையின் தோற்றம்	வினைச்சொற்கள் அறிதல்
S-12	SLO-1	பழனிபாரதியின் காடு	லிமரைக்கூ – ஈரோடு தமிழன்பன்	ஊழ்வினை	தமிழில் உரைநடை	தமிழில் பெயரடை, வினையடை
	SLO-2	இயற்கையும் சமூக சமத்துவ வாழ்வியலும்	சென்ரியூ – மாமதயானை	கோவலனின் முற்பிறப்பு வரலாறு	உரைநடை வளர்த்த அறிஞர்கள்	பெயரடை, வினையடை அறிதல்

Learning Resources	Textbooks					
	<ol style="list-style-type: none"> 1. முல்லைக்காடு, தொகுப்பும் பதிப்பும் - தமிழ்த்துறை ஆசிரியர்கள், எஸ்.ஆர்.எம். அறிவியல் மற்றும் தொழில்நுட்பக் கல்விநிறுவனம், காட்டாங்குளத்தூர், 603203, 2023 2. வல்லிக்கண்ணன், புதுக்கவிதை தோற்றமும் வளர்ச்சியும், ஆழி பதிப்பகம், சென்னை, 2018 3. கா. சிவத்தம்பி, தமிழில் சிறுகதை தோற்றமும் வளர்ச்சியும், என்.சி.பி.எச்., சென்னை, 2013 4. தமிழ் இணையக் கல்விக்கழகம் - http://www.tamilvu.org/ 5. மதுரை தமிழ் இலக்கிய மின் தொகுப்புத் திட்டம் - https://www.projectmadurai.org/ 					

Bloom'sLevel of Thinking		Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Expert from Higher Technical Institutions	Internal Experts
Dr. P.R.Subramanian, Director, Mozhi Trust, Thiruvannmiyur, Chennai – 600 041.	Dr. V. Dhanalakshmi, Associate Professor, Subramania Bharathi School of Tamil Language & Literature, Pondicherry University, Pondicherry	1. Dr. B.Jaiganesh, Associate Professor & Head, Dept. of Tamil, FSH, SRMIST, KTR.
		2. Dr. R. Ravi, Assistant Professor and Head, Dept. of Tamil, FSH, SRMIST, VDP.
		3. Mr. G. Ganesh, Assistant Professor, Dept. of Tamil, FSH, SRMIST, RMP.
		4. Dr. T.R.Hebzibah beulah Suganthi, Assistant Professor, Dept. of Tamil, FSH, SRMIST, KTR.
		5. Dr. S.Saraswathy, Assistant Professor, Dept. of Tamil, FSH, SRMIST, KTR.

Course Code	ULH23G01J	Course Name	HINDI - I	Course Category	G	Generic Elective Course	L	T	P	O	C
							2	0	2	2	3

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Hindi	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	To Communicate in Hindi without any inhibition
CLR-2 :	To appreciate the Hindi Language in its various forms
CLR-3 :	To analyze the different writing styles
CLR-4 :	To display moral and social values in the field of social Responsibility and Integrity
CLR-5 :	To be willing listeners and Translators-where need be

1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
---------------------------------	--

CLO-1 :	To Understand the Philosophy of life and living through Stories	2	75	60
CLO-2 :	To Examine Travelogue writing and Sketch	2	80	70
CLO-3 :	To Identify Irony and essay-based writing	2	70	65
CLO-4 :	To Evaluate the various social issues depicted in the prose	2	70	70
CLO-5 :	To Understand the basic and fundamental principal of Translation	2	80	70

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO-3
H	-	H	-	-	-	L	M	M	H	M	H	L	-	-
H	H	H	H	M	H	H	H	H	H	M	H	H	-	-
H	H	H	H	H	H	H	H	H	H	M	H	H	-	-
H	H	H	H	H	H	H	H	H	H	M	H	H	-	-
H	H	H	H	H	H	H	H	H	H	M	H	H	-	-

Duration (hour)	Learning Unit / Module 1 12	Learning Unit / Module 2 12	Learning Unit / Module 3 12	Learning Unit / Module 4 12	Learning Unit / Module 5 12
S-1	SLO-1 KAHANI	REKHACHITRA & YATRAVITRANT	NIBANDH	NATAK	ANUVAD& PARIBHASHIK SHABDAVALI
	SLO-2 AVDHARNA	AVDHARNA	NIBANDH KI AVDHARNA	AVDHARNA	ARTH
S-2	SLO-1 SWARUP	SWAROOP	SWARUP	NATAK KA SWARUP	PARIBHASHA
	SLO-2 PARIBHASHA	BHUMIKA	PARIBHASHA	PARIBHASHA	SWARUP
S-3	SLO-1 KAHANI KE TATVA	MAHATVA	MAHATVA	TATWA	PRAKAR
	SLO-2 KAHANI KA MAHATVA	UDDESHYA	UDDESHYA	PRAKAR	MAHATVA
S-4	SLO-1 PARIKSHA- PREMCHAND	GISHA-REKHACHITRA	KUTAJ- NIBANDH HAJARI PRASHAD DIVEDI	UDDESHYA	UDDESHYA
	SLO-2 KAHANI KA PARICHAY	LEKHIKA PARICHAY	LEKHIKA PARICHAY	RANGMANCH KA PARICHAY	ANUVAD KA PRAYOJAN

S-5	SLO-1	VISLESHAN	PATH KA VISHLESHAN	PATH KA MAHATVA	NATAK KA MAHATVA	ANUVAD KA PRAYOG
	SLO-2	EMANDARI KA MAHATVA	GURU SHISHYA KA SAMBANDH	VIPRIT PARISHTHITIYON ME JEEVAN KI ASH	PRAYOJAN	SHROT BHASHA KA GYAN
S-6	SLO-1	HONHARI KA PARICHAY	GURU KE PRATI SMARPAN BHAVANA	MANAV KI AKANKSHAYEN	ANDHER NAGRI-(NATAK) BHARTENDU HARISHCHAND	LAKSHYA BHASHA KA GYAN
	SLO-2	UDDESHYA	PATH KA MAHATVA	SHANGHARSHIL JEEVAN	LEKHAK PARICHAY	ANUVAD KA DAYITVA
S-7	SLO-1	MALBE KA MALIK- MOHAN RAKESH	THELE PAR HIMALAY (YATRAVITRANT)	SANGHARSH KA PARINAM	NATAK KA VISLESHAN	ANUVAD KA ABHYASH
	SLO-2	LEKHAK PARICHAY	LEKHAK PARICHAY	BHOLARAM KA JEEV-(VYANGYA) HARISHANKAR PARSHAI	NATAK ABHINAY	ANGREJI SE HINDI
S-8	SLO-1	BATWARE KA YATHARTH VARNAN	YATRAVITRANT KA MAHATVA	VYANGYA KI AVADHARNA	LALCH KA DUSHPARINAM	HINDI SE ANGREJI
	SLO-2	TATKALIN PARISHTHITI KA VARNAN	YATRA KA YATHARTH CHITRAN	MAHATVA	SHISHYA KI AGYANTA	ANUVAD PRIYOJNA KARYA
S-9	SLO-1	APNI MITTI SE LAGAV	PATH KA VISLESHAN	LEKHAK PARICHAY	GURU SHISHYA SAMBANDH	PUNRIKSHAN
	SLO-2	RAJNITIK VIDWESH KA PARINAM	HIMALAY KA VARNANA	PATH KA VIHLESHAN	HASHYA VYANGY SE AVAGAT KARANA	VIVIDH PRAYOG
S-10	SLO-1	PROPKAR KI BHAVANA	HIMALAY KA LOK JEEVAN	MADHYAVARGI PARIVAR KI STHITI	DURDRISHTIHIN	PARIBHASHIK SHABDAVALI
	SLO-2	KAHANI PATH	LOK SAMASYA	SARKARI TANTRA KA KHOKHLA RUP	MAHATTAKANKSHI KA DUSHPARINAM	ATI MAHTVAPURN SHABD
S-11	SLO-1	KAHANI KA VISHLESHAN	UDDESHYA	PAURANIK KATHA KA CHITRAN	GURU KI AVAGYA KA DUSHPARINAM	TAKANIKI SHABDAVALI KA MHATVA
	SLO-2	PRASHO KI CHARCHA	PRASHNA ABHYASH	SANVEDANSHIL BHAVANA	TATKALIN SAMAJIK VYAVASTHA KI CHARCHA	HINDI SE ANGREZI SHABD
S-12	SLO-1	PRASHN ABHYASH	PATH PRICHARCHA	PARICHARCHA	PARICHARCHA	ANGREZI SE HINDI SHABD
	SLO-2	KAHANI KA UDDESHYA	MAHATVAPURN BIBDUON KI CHARCHA	PRASHANA ABHYASH	PRASHNABHYASH	SHABDAVALI KI AVSHYAKTA

Learning Resources	Edited Book: ““SAMANYA HINDI”, SRIJONLOK PUBLICATION, 2023, New Delhi.					
	1. KABIR – HAZARI PRASAD DWEDI 2. SURDAS – RAM CHANDRA SHUKL 3. BHAKTI ANDOLAN AUR SURDAS KA KAVYA – MANAGER PANDEY 4. BIHARI – VISHVNATH PRASAD MISHR 5. Aadhunik Vigyapan aur Jansampark – Taresh Bhatia					

Learning Assessment											
	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-

	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
<p>Shri. Santosh Kumar Editor: Srijanlok Magazine Place: Vashishth Nagar, Ara – 802301</p>	<p><i>Prof. (Dr.) S.Narayan Raju, Head, Department of Hindi,CUTN, Tamilnadu</i></p>	<p>1. <i>Dr.S Preeti. Associate Professor & Head, SRMIST</i> 2. <i>Dr. Md.S. Islam Assistant Professor, SRMIST</i> 3.<i>Dr. S. Razia Begum, Assistant Professor, SRM IST</i> 4. <i>Dr.Nisha Murlidharan Assistant Professor, VDP,SRM IST</i></p>

Course Code	ULF23G01J	Course Name	FRENCH – I	Course Category	G	Generic Elective Course	L	T	P	O	C
							2	0	2	2	3

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	French	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Extend and expand their savoir-faire through the acquisition of current scenario	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Enable the students to overcome the fear of speaking a foreign language and take position as a foreigner speaking French																		
CLR-3 :	Make them learn the basic rules of French Grammar.																		
CLR-4 :	Develop strategies of comprehension of texts of different origin																		
CLR-5 :	Strengthen the language of the students both in oral and written																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO -3
CLO-1 :	To acquire knowledge about French language	2	75	80	H	H	M	H	H	M	H	H	L	M	M	H	L	-	-
CLO-2 :	To strengthen the knowledge on concept, culture, civilization and translation of French	2	80	90	M	M	H	L	H	H	M	H	M	L	L	H	M	-	-
CLO-3 :	To develop content using the features in French language	2	85	75	H	H	H	L	M	H	M	L	H	M	M	H	H	-	-
CLO-4 :	To interpret the French language into other language	2	70	80	H	H	L	M	H	M	H	H	M	L	H	M	L	-	-
CLO-5 :	To improve the communication, intercultural elements in French language	2	80	75	M	M	H	H	L	M	M	H	H	M	L	H	M	-	-

Duration (hour)	Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
	12	12	12	12	12
S-1	SLO-1	Contacts	Les verbes du premier groupe	Qu'est-ce qu'ils font ?	Portraits
	SLO-2	Emma la championne	Les exemples	Les exemples	Un casting
S-2	SLO-1	Les nombres à partir de 31	La liaison	Où est mon sac	Les exemples
	SLO-2	Les activités	Les activités	Les exemples	Les pronoms personnels toniques
S-3	SLO-1	Les pays	Entrer en contact	Quelques objets	Le Petit Spirou
	SLO-2	les nationalités	Les activités	Les exemples	Les verbes faire et lire
					Les exemples

S-4	SLO-1	Les jours de la semaine	Présenter et se présenter	Les professions	L'aspect physique	<i>Les Sons</i>
	SLO-2	Les jours	Les activités	La fiche d'identité	Les activités	Les exemples
S-5	SLO-1	Les mois de l'année	Demander et dire la date –	La formation du féminin (2)	Le caractère	<i>Décrire l'aspect physique</i>
	SLO-2	Les activités	Les activités	La phrase interrogative partielle	Les exemples	<i>Décrire le caractère</i>
S-6	SLO-1	Les animaux domestiques	une rencontre.	<i>Qu'est-ce que c'est ?</i>	les états d'âme	<i>Demander et dire l'heure</i>
	SLO-2	Les activités	Les activités	<i>Qui est-ce ?</i>	Les activités	Les exemples
S-7	SLO-1	La famille (1)	Contacts	<i>C'est / Il est (1)</i>	Les prépositions de lieu (1)	<i>Elle est comment ?</i>
	SLO-2	Les activités	Les activités	Les exemples	Les exemples	Les exemples
S-8	SLO-1	La formation du féminin (1)	Emma la Championne	La phrase négative (1)	La famille (2)	<i>Portraits</i>
	SLO-2	Les activités	Les activités	Les exemples	Les activités	Les exemples
S-9	SLO-1	Les adjectifs possessifs	Mots et expressions	Les verbes aller et venir	La formation du féminin	<i>Mots et Expressions</i>
	SLO-2	Les exemples	Les activités	L'élision	Les activités	Les activités
S-10	SLO-1	La phrase interrogative	Grammaire -	Les formules de politesse	La formation du pluriel (2)	<i>Grammaire.</i>
	SLO-2	Les exemples	Les exemples	Demander des informations personnelles	Les activités	Les exemples
S-11	SLO-1	Les activités	Communication	C'est qui ?	<i>Il y a</i>	Les activités
	SLO-2	Les nombres	Les activités	Qu'est-ce qu'ils font ?	Les activités	<i>Communication</i>
S-12	SLO-1	intonation et <i>est-ce que</i>	<i>Les verbes du ER –groupe</i>	Mots et Expressions	Les articles contractés	Les activités
	SLO-2	Les exemples	Les exemples	Grammaire – Communication	Les exemples	Les exemples

Learning Resources	<p>Theory:</p> <ol style="list-style-type: none"> 1. “‘ Nouvelle Génération-AI’ Méthode de français, Marie-Noëlle COCTON, P.DAUDA, L.GIACHINO, C.BARACCO, Les éditions Didier, Paris, 2018. 2. Cahier d'activités avec deux discs compacts. 3. https://www.fluentu.com/blog/french/french-grammar 4. https://www.elearningfrench.com/learn-french-grammar-online-free.html 5. https://www.lawlessfrench.com/grammar 6. https://blog.gymglish.com/2022/12/15/basic-french-grammar
	<p>Textbooks:</p> <p>“‘La Nouvelle Génération-AI’ Méthode de français, Marie-Noëlle COCTON, P.DAUDA, L.GIACHINO, C.BARACCO, Les éditions Didier, Paris, 2018.</p> <p>Cahier d'activités avec deux discs compacts.</p>

Bloom's Level of Thinking		Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Expert from Higher Technical Institutions	Internal Experts
1. Mr. Kavaskar Danasegarane Process Expert Maersk Global Service Center Pvt. Ltd	1. Dr. C.Thirumurugan Professor, Department of French, Pondicherry University	1. Mr. Kumaravel K. Assistant Professor & Head, SRMIST, KTR
2.Mr. Sharath Raam Prasad Character Designer, Animaker Company Pvt.		2. Mrs. Abigalai Assistant Professor, SRMIST, VDP

Course Code	ULE23AE1T	Course Name	ENGLISH	Course Category	AE	Ability Enhancement course	L	T	P	O	C
							4	0	0	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	English	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1:	Develop an understanding and sensibility of human consciousness through gender inclusive curriculum	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Enhance the abilities of deeper understanding to stay with integrity with the fellow human beings																		
CLR-3:	Develop the overall language competency of the learner																		
CLR-4:	Develop proficient language skills																		
CLR-5:	Learn to express the thoughts clearly, develop logical arguments and enhance the overall communication skills.																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO -3
CLO-1:	Analyze different literary texts to identify the representation of issues related to gender, and class	2	75	60	H	M	M	L	-	M	-	M	H	L	H	L	-	-	-
CLO-2:	Apply critical thinking skills to analyze and respond to academic texts.	2	80	70	M	H	L	-	-	-	-	M	M	H	H	M	-	-	-
CLO-3:	Critically evaluate and discuss contemporary issues through online articles.	2	70	65	M	M	M	-	L	L	-	H	M	H	H	L	-	-	-
CLO-4:	Refine their general writing skills	2	70	65	H	M	L	-	M	H	-	-	-	-	H	L	-	-	-
CLO-5:	Improve their language application skills	2	80	70	H	H	-	M	-	M	-	L	L	M	H	M	-	-	-

Duration (hour)	Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
	12	12	12	12	12
S-1	SLO-1	Introduction to the poetry and the poet- Sukirtharani	Introduction to Short stories. Introducing the short story writer Katherine Mansfield.	Introduction to Creative Writing. Explaining the elements of creative writing.	Building the discourse- The significance of conversation and the key elements of discourse are the points of discussion in this class hour.
	SLO- 2	Reading and recitation of the poem -Debt	Reading the story- The Doll's House	Stand-up comedy show -translate the audio content in English. (any regional language)	Art of conversation in digital and verbal discourse- Lee Mockobe's A Powerful Poem of what it means to be a Transgender. TEDX TALK- POEM RECITATION

S-2	SLO-1	Analysis and Critical interpretation of the poem.	Explaining the story through depiction of characters and representation of injustices.	Students- groups -Students belonging to States other than Tamilnadu	Reflecting on the style and the tone of the poem.	Planning to choose.
	SLO- 2	Introduction to the poet Kalki Subramaniam.	Analysis and critical interpretation of the short story Doll's House.	Practice the writing activity -creative ways of engaging in translation.	Practicing conversation	Understand the review process how effectively a review of any work can be done.
S-3	SLO-1	Reading and recitation of the poem Phallus I cut.	Introduction to the writer Haruki Murakami.	Correction of errors- attempting to translate.	Introducing Content writing in social media- the importance of content writing.	Introducing the students to the review of the various works.
	SLO- 2	Analysis and Critical interpretation of the poem.	Reading the Confessions of a Shinawaga monkey.	Identifying equivalent terms to certain regional words - learn the art of translation.	BLOG WRITING - Subtleties of Workplace Inclusion: Mental Health and Queer Community- Salik Ansari.	Reviewing -recorded -posted in the social media pages of SRMIST
S-4	SLO-1	Introduction to the poet Imtiaz Dharker	Discussion and analysis of the Confessions of a Shinawaga monkey.	Introducing famous art works and the contexts of creation. Salvador Dali- The Face of War Pablo Picasso- Guernica Edward Munch- The Scream Pieter Bruegel- The Tower of Babel	writer's conversation with the readers - the blog in other blog articles.	Thoughtful conversation with your team member post the same in the official social media page of SRMIST.
S-5	SLO- 1	Reading and reciting the poem Purdah 1	Introduction to Crystal Wilkinson	creative and/ or thoughtful writing - contemporary themes of modern-day relevance	Practice blog writing	Choosing the team based on the abilities that are comfortable to match the peer members
S-6	SLO-1	Analysis and Critical interpretation of the poem- Purdah 1	Reading Endangered Species: Case 47401.	Students -writing abilities- building stories- a visual treat of variety of pictures.	Apprehending Life by reading the texts of influence- Chimamanda Ngozi Adiche's Notes on Grief- A BRIEF NOTE, we should all be Feminists- An Essay.	Choosing the topics for a thoughtful conversation
	SLO- 2	Reading and reciting the poem Purdah 2	Discussion and analysis of Endangered Species: Case 47401.	Elements of writing	Discussion- essay by the author -subjective depiction of life. Understand -subjective opinions - perspectives -	Planning and preparation for the script of conversation with a team member
S-7	SLO-1	Analysis and Critical interpretation of the poem- Purdah 2	Introduction to C.S Lakshmi also known as Ambai.	Incorporate the elements of story in story writing.	Class discussion	Drafting, editing and revising the script of conversation and enacting the conversation with the team members
S-8	SLO- 1	Introduction to the poet Arundathi Subramanian	Reading the short story- In a Forest, A Deer.	Practice -write stories -pictures given or shown.	Practising the task multiple times with all the students in the classroom.	Enactment -proper rehearsal -final performance -conversation- whole performance should be recorded.
S-9	SLO-1	Reading and reciting the poem- Home	Discussion and Analysis of In a Forest, A Deer.	A writing task to write a script is introduced in the classroom.	Interposing opinions in famous interviews-	The recording should be posted in the official media page and social handles of SRMIST.

	SLO- 2	Analysis and Critical interpretation of the poem- Home	Retrospecting the writing styles of the authors- Katherine Mansfield, Haruki Murakami, Crystal Wilkinson and Ambai.	creative scripts inspiring from the dialogues of their favourite films by changing the scenario to their own wish according to their own whims and fancies.	Interposing opinions in famous interviews- FII Interviews: Tasveer Co-Founder And Filmmaker Rita Meher On The Seattle Legislation, Minority Rights And The Fight Against Oppression- INTERVIEW	work for this social post - reflect on their experience of learning communicative English course and the testimonial has to be recorded and posted in the social media pages of SRMIST.
S-10	SLO-1	Recollection of study of the writing styles and intentions of the poets prescribed in the syllabus.	Revision- The Doll's House	Creative writing -writing news reports, recreated with new characters, places, scenes, incidents.	Students -enact as interviewer and interviewee and practice building the discourse.	Involving the students for the project work. Introducing what is project work and inculcating the interest -Giving instructions to do the project works -
	SLO- 2	Revision of the poems Debt and Phallus I cut	Revision- Confessions of a Shinawaga Monkey	Watch debate shows - summarising the arguments Enhance -descriptive writing skill.	Certain role plays like celebrity personalities, political personalities -conduct the interview and be the interviewer and interviewee.	Discussion of ideas and generation of creative ideas
S 11	SLO-1	Revision of the poems Purdah 1 and 2	Revision- Endangered Species: Case 47401	Practice the improvement of writing skill.	The art of conversation and the ability to build a discourse	1. Assignment on any piece of creative writing (OR) 2. Presentation- Mastering the art of Public Speaking. (OR) 3. Project on compiling the real-life influential events on gender inclusive issues and a presentation of the same. Interview Scripting /Blog writing.
S 12	SLO- 1	Revision of the poem Hiome.	Revision- In a Forest, A Deer.	Repetitive practice and continuous assessment -writing skills-master the writing skill.	The evaluation and assesment of the conversation -constructive feedbacks to the students.	Students can opt any of the project from the given choice.

Learning Resources	Textbook and references: 1. <i>Horizon- English Text Book – Compiled and Edited by the faculty of English Departement, FSH, SRMIST, 2020</i> 2. <i>English Grammar in Use by Raymond Murphy</i> 3. <i>Raymond Murphy, Intermediate English Grammar, Cambridge University Press, 2007</i> 4. <i>R.P. Bhatnagar, English for Competitive Examinations, Trinity Press, 3rd Edition,2016</i> 5. http://www.apititudetests.org/verbal-reasoning-test 6. https://www.assessmentday.co.uk/apititudetests_verbal.htm										
	Learning Assessment										

Bloom's Level of Thinking		Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	40%	-	40%	-	40%	-	40%	-	40%	-

	Analyze										
Level 3	Evaluate	30 %	-	30 %	-	30 %	-	30 %	-	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
<p><i>Krishna Raj</i> <i>Sutherland</i> <i>Krishna.Raj1@sutherlandglobal.com</i></p>	<p><i>Dr. J Mangayarkarasi</i> <i>Associate Professor and Head, Dept. of English Ethiraj College for Women</i> <i>Chennai</i> <i>jmbwilson97@gmail.com</i></p>	<p>1. <i>Dr. Pushpanjali Sampathkumar, Assistant Professor, Department of English, FSH, SRMIST</i> 2. <i>Dr. Dr. Shanthichitra, Associate Professor, & Head, Department of English, FSH, SRMIST</i> 3. <i>Dr Anchal Sharma, Prof & Hod EFL SRMIST NCR Campus</i> 4. <i>Dr T Sridevi, Assistant Professor English, FSH Ramapuram SRM</i> 5. <i>Dr Shanmuga Priya, Assistant Professor SRMIST Trichirapalli Campus</i></p>
	<p><i>Dr. K S Antonysamy</i> <i>Associate Professor and Head, Dept. of English Loyola College</i> <i>Chennai</i> <i>antonysamyks@loyolacollege.edu</i></p>	

Course Code	UEY23101J	Course Name	MICRO ECONOMICS - I	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Understand the basic Theories of Microeconomics	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Study the Behaviour of Individual Consumers as well as Markets	Level of Thinking Expected Proficiency (%) Expected Attainment (%)			Fundamental	Application of Concepts	Link with Related	Procedural Knowledge	Skills in Specialization	Ability to Utilize	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Understand the Theory of Supply and Production																		
CLR-4 :	Analyze costs, cost functions and relationships of a Firm																		
CLR-5 :	Know the different forms of markets and their Equilibrium & Understand the role of Mathematics in Economics																		
Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:																		
CLO-1 :	Analyze the Demand and Elasticity of Demand of Consumers	3	85	80	H	M	H	-	H	M	M	M	H	H	M	M	-	L	H
CLO-2 :	Analyze the Supply and Elasticity of Supply of Firms	3	85	80	H	M	H	-	H	H	M	H	H	H	H	M	-	L	H
CLO-3 :	Calculate the Cost and Cost Function of a Firm	3	85	80	H	H	H	-	H	H	H	H	H	M	H	M	-	L	H
CLO-4 :	Analyze the Equilibrium Level of Output for each form of Market	3	85	80	H	M	H	-	H	H	H	M	H	H	H	M	-	L	H
CLO-5 :	Use mathematical models and tools to reach Economic output from data & Summarize the Theory of Microeconomics mathematically and graphically	3	85	80	H	M	H	-	H	H	H	H	H	M	H	M	-	L	H
		3	85	80	H	H	H	-	H	H	H	H	H	H	H	M	-	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1	Introduction to Economics as a discipline	Introduction to Consumer Behaviour	Supply – Introduction and Definition	Cost – Introduction and Definition Cost in Economics	Market Structure
	SLO-2	Definition of Economics	Cardinal Utility Theory	Law of Supply & Practical Examples	Types of Costs – Accounting and Economic costs, Fixed, Variable and Sunk costs	Forms of Market - Introduction
S-2	SLO-1	Basic concepts of Economics: Wealth, Welfare, Scarcity, Choice and Opportunity Cost	Law of Diminishing Marginal Utility	Supply Function Supply Curve	Imputed cost, Implicit and Explicit cost	Perfect competition – Definition – Features & Assumptions of Perfect Competition
	SLO-2		Equilibrium of the Consumer	Individual vs Market Supply Curve Derivation of Market Supply Curve from Individual Supply Curve	Total, Average and Marginal Cost (TC, AC & MC)	
S-3	SLO-1	Basic concepts of Economics: Wealth, Welfare, Scarcity, Choice and Opportunity Cost	Exceptions Cardinal Utility Theory Diamond-Water Paradox	Shift and Slope of Supply Curve	Relation between AC, AVC, AFC and MC, in Production process	Perfect competition– Determination of Output, Price and Profit under Perfect Competition
	SLO-2		Ordinal Utility Theory	Types of Elasticity of Supply	Types of Costs – Short Run and Long Run costs	Determination of Supply and Supply Curve of Firm and Industry
S 4 – S 6	SLO-1	Inductive and Deductive Approach to Economics	Indifference Curve analysis Equilibrium of the Consumer	Measurement of Elasticity of Supply	Cost function	Equilibrium Firm in Perfect Competition in Short Run

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
	SLO-2	Positive and Normative approaches to Economics	Applications of Indifference Curves	Factors determining Elasticity of Supply	Relationship between Cost Function and Production Function	Equilibrium of Industry in Perfect Competition in Short Run
S-7	SLO-1	Difference between Micro and Macro Economics	Marginal Rate of Substitution (MRS) ICs and Price Line	Inverse supply function	Derivation of Cost Function from Production Function	Equilibrium of Industry in Perfect Competition in Long Run
	SLO-2	Central Problems of an Economy – What, How and For Whom to Produce?	Law of Demand Factors determining Demand	Production - Factors of Production	Basic problems in TC, TFC, TVC, AC, AFC, AVC & MC in Short and Long run	Effects of Price-Ceiling, Price-Floor on Equilibrium
S-8	SLO-1	Types of Economies: Capitalist Economy	Demand Function Demand Curve	Laws of Production: i) Laws of Returns to Scale	Traditional Theory of Cost – Short Run Costs	Effects of Taxation and Subsidies on Equilibrium – Break evens
	SLO-2	Features, Advantages and Limitations of Capitalist Economy	Individual vs Market Demand Curve			Monopoly – Definition and Features & Assumptions
S-9	SLO-1	Types of Economies: Socialist Economy- Features	Shift and Slope of Demand curve	ii) Law of Variable Proportions	Long Run Costs and ‘Envelope Curve’	Demand and Revenue in a Monopoly
	SLO-2	Advantages and Limitations of Socialist Economy	Elasticity of Demand	Isoquants, Marginal Rate of Product Transformation (MRTS), Ridge Lines		AR and MR curves in Monopoly
S-10 - 12	SLO-1	Types of Economies: Mixed Economy- Features	Types of Elasticity of Demand	Production Possibilities Frontier (PPF) and Allocation of Resources	Modern Theory of Cost – Short Run Costs & Long Run Costs	Determination of Price, Output and Profits under Monopoly
	SLO-2	Advantages and Limitations of Mixed Economy	Methods to Measure Elasticity	Firm and Industry – Criteria for classifying firms into industry		Equilibrium of Monopoly in Short Run & Long Run Equilibrium of Monopolu
S-13	SLO-1	Role of Mathematics in Economics	Factors Determining Elasticity Practice Problems in Elasticity of Demand	Technological Progress and Production Function	Long Run Costs and ‘L-Shaped Scale Curve’	Impact of Taxes on Monopoly Price
	SLO-2	Role of Mathematics in Microeconomics	Consumers’ Equilibrium.	Total, Marginal and Average Product (TR, MR & AR)	Revenue – Introduction and Definition Revenue in Economics	I, II and III Degree Price Discrimination
S-14	SLO-1	Introducing Basic Tools	Revealed Preference Theory with axioms	Relationship between Average and Marginal Product	Total, Average & Marginal Revenue (TR, MR & AR)	Price Discrimination and Elasticity in Monopoly
	SLO-2	Graphs, Tables, Curves etc	Inverse Demand Function	Producer’s Equilibrium	Revenue function	Dumping and Bilateral monopoly
S-15	SLO-1	How to Interpret Graphs and Curves	Consumers’ surplus Application of Consumer Surplus	Cobb-Douglas Production Function	Relationship between Price, Elasticity and Marginal Revenue	Monopolistic competition – Definition and Features & Assumptions
	SLO-2	How to Interpret Tables and Other Diagrams	Deadweight loss	Applications and Practical Problems in Cobb-Douglas Production Function	Market Equilibrium Market Demand and Market Supply	Product Differentiation and Demand Curve
S-16 - 18	SLO-1	Theoretical Background for the Emergence of Microeconomics	Slutsky’s Decomposition of Price Effect for Normal, Inferior and Giffen goods	Economies of Scale	Break-Even Analysis and Shut down point	Chamberlin’s Large Group Model – Price and Non-price Competition - Assumptions
	Diseconomies of Scale			Revenue and Profit – Applications	Equilibrium in Monopolistic Competition – Excess capacity	

Learning Resources	1. Pindyck. R. S. and D.L. Rubinfeld, Micro Economics Ninth edition prentice Hall 2017 2. Hal. R. Varian, Intermediate Micro Economics, A Modern Approach W.W. Norton and Company / Edn Affiliated East-West Press (India) 9th edition 2014 3. Gregory Mankiw. N, Principles of Microeconomics, South-Western Cengage Learning, 8th Edn, 2016	4. Koutsoyiannis, Modern Microeconomics, Macmillan Education, 2nd Edn
---------------------------	--	---

		5. <i>Dominick Salvatore, Microeconomics Theory and Applications, Oxford University Press, 5th Edn</i>
--	--	--

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23102J	Course Name	GEOMETRY AND ALGEBRA FOR ECONOMICS	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:
CLR-1 :	Learn mathematical operations necessary for learning Economics
CLR-2 :	Learn graphical presentation of Economics
CLR-3 :	Learn to solve economic functions
CLR-4 :	Learn to find mathematical solutions to economic problems
CLR-5 :	Sharpen the mathematical skills & Understand the application of Basic Calculus

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
CLO-1 :	Have clarity in understanding economic situations
CLO-2 :	Express Economics in mathematical terms
CLO-3 :	Apply the mathematical tools to solve economic problems
CLO-4 :	Apply mathematical knowledge to solve practical problems
CLO-5 :	Summarize the mathematical tools learnt & Proceed to learn Advanced Economic Theory and analysis

Learning		
1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
2	85	80
2	85	75
2	80	85
2	70	80
2	85	75
2	75	80

Program Learning Outcomes (PLO)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
H	H	M	M	H	H	H	H	M	M	-	H	-	-	H
H	H	M	M	H	H	H	H	H	M	-	H	-	-	H
H	H	H	M	H	H	H	H	H	M	-	H	-	-	H
H	H	M	M	H	M	M	M	H	M	-	H	-	-	H
H	H	M	M	H	H	H	H	H	M	-	H	-	-	H
H	H	M	M	H	H	H	H	H	M	-	H	-	-	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1	Definition of a set Different types of set	The Plane	Vectors	Determinants	Cayley–Hamilton Theorem
	SLO-2	Basic operations	Cartesian product	Field	Properties of determinants	
S-2	SLO-1	Concepts of 'range', 'domain' and 'mapping'	Concept of Euclidean Space	Vector addition and multiplication by scalars	Singular, Nonsingular matrix	Cayley–Hamilton Theorem
	SLO-2		Points and lines in Euclidean space	inner product of two vectors		
S-3	SLO-1	One to one function	Parallel, perpendicular and intersecting lines	Geometric interpretation	Minors and Cofactors	Input-Output model
	SLO-2	Onto function		Vector Spaces		
S 4 – 6	SLO-1	Inverse function	curves – tangent	Linear dependence and Independence	Adjoint matrix	Assumptions
	SLO 2	Types of equations: linear, quadratic, polynomial, power, exponential, logarithmic		Basis		
S-7	SLO 1	Types of equations: linear, quadratic, polynomial, power, exponential, logarithmic	Linear and non-linear curves	Span	Linear dependence	Technological Coefficient matrix
	SLO-2		Slope and intercept	Orthogonality		
S-8	SLO-1		Slope and intercept	Properties of Vector Space	Rank of a matrix	Technological Coefficient matrix

Duration (hour)	Learning Unit / Module 1		Learning Unit / Module 2		Learning Unit / Module 3		Learning Unit / Module 4		Learning Unit / Module 5	
	18		18		18		18		18	
	SLO-2	Types of equations: linear, quadratic, polynomial, power, exponential, logarithmic		Applications in Economics: Demand and supply curves		Matrix: Definition and terms Types of matrices		properties of rank		
S-9	SLO-1	Simultaneous equations		Cost curves		Basic operations in Matrices		Inverse of a matrix		Open and Closed Input-Output models
	SLO-2					Laws in Matrix Algebra				
S10 - 12	SLO-1	Application into Economics: Demand and Supply functions		Break-even analysis		Transpose of a matrix		Properties of inverse		Hawkin – Simon Conditions
	SLO-2					Properties of transpose of a matrix				
S – 13	SLO-1	Cost function		Product curves		Matrix expression of a set of linear equations		Solving simultaneous linear equations in matrix form: Gaussian method, Inverse method and Cramer's rule		Hawkin – Simon Conditions
	SLO-2					Transformation				
S-14	SLO-1	Homogenous production function		Revenue curves		Elementary row operations		Characteristic roots and vectors		Solution to Open Input-Output model
	SLO-2					Augmented matrix				
S-15	SLO-1	Market equilibrium		Product transformation curve		normal form of a matrix		Market Equilibrium (Two products and Three products markets only)		Limitations of Input-Output models
	SLO-2									
S16 – 18	SLO-1	Market equilibrium		Consumption function		Row Echelon form		Market Equilibrium (Two products and Three products markets only)		Limitations of Input-Output models
	SLO-2									

Learning Resources/ Reference books	1. Seymour Lipschutz & Marc Lipson 'Linear Algebra' Schaum outline series, 2017	6. Gupta.P.K. & Manmohan 'Problems in Operations Research' Sultan Chand and Sons, 1992
	2. Edward T. Dowling, Theory and Problems of Mathematics for Economists, Schaum's Outline Series, McGraw Hill, New York.	7. Joan E. Weber, Mathematical Analysis, Harper International Edition, Cambridge.
	3. Mehta.B.C. & G.M.K. Madnani, 'Mathematics for Economists'. Sultan Chand and Sons, 2003	8. Knut Sydstaeter, & Peter J Hammond, 'Mathematics for Economic Analysis', Pearson edition, 2002
	4. Hadley, G. 'Linear Algebra', Addison-Wesley, Delhi. 1987	9. S. H. Friedberg, A. L. Insel and L. E. Spence, 'Linear Algebra', Prentice Hall of India, New Delhi, 2004.
	5. Alpha C Chiang & Kevin Walnwright, 'Fundamental Methods of Mathematics Economics', McGraw Hill, New York. 4 th Edition 2005	

	Bloom’s Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	<ol style="list-style-type: none"> 1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S10- 12	SLO-1	Physiocracy: Natural order, primacy of agriculture, social classes	Theory of gluts	Wicksteed and Weiser: Distribution	Milton Friedman	Nehru's Economic ideas
	SLO-2				John Rawls	
S-13	SLO-1	Tableau Economique, taxation	Karl Marx: dynamics of social change	Alfred Marshall: Stationary State	Kenneth Arrow	Dr. B.R. Ambedkar's Economic ideas
	SLO-2					
S-14	SLO-1	Turgot, Quesnay, Cantillon	Theory of Surplus Value	Utility Consumers' Surplus	Amartya Sen	Tamil Nadu economic thought: Thiruvalluvar
	SLO-2					
S-15	SLO-1	Economic ideas of Petty, Locke and Hume	Law of Capitalist accumulation	Elasticity of Demand	New Keynesian	Annadurai
	SLO-2		Theory of Capitalist Exploitation	Quasi rent		
S16-18	SLO-1	Economic ideas of Petty, Locke and Hume	Economic ideas of J.B. Say	Laws of Returns	Post Keynesian thought	Periyar
	SLO-2		J.S. Mill	Pareto and Pigou: Welfare Economics		

Learning Resources/ Reference books	1. Bell John Fred (1963), <i>History of Economic Thought</i> , The Ronald Press Company, New York.	6. Dasgupta, A.K. (1985), <i>Epochs of Economic Theory</i> , Oxford University Press, New Delhi.
	2. Bhatia, H.L (1980), <i>History of Economic Thought</i> , Vikas publishing house Pvt. Ltd. India.	7. Ganguli, B.N. (1977), <i>Indian Economic Thought: A 19th Century Perspective</i> , Tata McGraw Hill, New Delhi.
	3. Blackhouse, R. (1985), <i>A History of Modern Economic Analysis</i> , Basil Blackwell, Oxford.	8. Grey, A. and A.E. Thomson (1980), <i>The Development of Economic Doctrine</i> , Longman Group, London.
	4. Blaug, M. (1997), <i>Economic Theory in Retrospect: A History of Economic Thought from Adam Smith to J.M. Keynes</i> , (5th edition), Cambridge University Press, Cambridge.	9. Roll, E. (1973), <i>A History of Economic Thought</i> , Faber, London.
	5. Brue Stanley L (2000), <i>The Evolution of Economic Thought</i> , the Dryden press, Fort Worth, USA.	10. Schumpeter, J.A. (1954), <i>History of Economic Analysis</i> , Oxford University Press, New York.
		11. Seshadri, G.B. (1997), <i>Economic Doctrines</i> , B.R. Publishing Corporation, Delhi.

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRM 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UCD23S01L	Course Name	QUANTITATIVE APTITUDE AND LOGICAL REASONING	Course Category	S	Skill Enhancement Course	L	T	P	0	C
							0	0	2	2	1

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Career Guidance Cell	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:	Learning		
CLR-1 :	Demonstrate various principles involved in solving mathematical concepts		1	2	3
CLR-2 :	Critically evaluate basic mathematical concepts related to profit, loss, interest calculations, average and interpret data		Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
CLR-3 :	Enable students to understand reasoning skills				
CLR-4 :	Use the basic mechanics of Grammar				
CLR-5 :	Acquire time management skills and expose students to the requirements of the job market				
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:			
CLO-1 :	Understand the concepts of LCM, HCF, ratio and proportions, percentages and approach questions in a simpler and innovative method		3	80	70
CLO-2 :	Develop, solve, analyze, and use simple mathematical models that are relevant to daily life.		3	80	75
CLO-3 :	Solve problems on reasoning		3	85	70
CLO-4 :	Understand the different parts of speech and use them in sentences appropriately		3	85	80
CLO-5 :	Instill confidence in students and develop skills necessary to face the audience		3	85	75

Program Learning Outcomes (PLO)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Disciplinary Knowledge	Communication Skills	Critical Thinking	Problem Solving	Analytical Reasoning	Research Related Skills	Reflective Thinking	Self-Directed Learning	Leadership Readiness/Qualities	Life-long Learning	Professional Skills	Experiential Learning	Employability Options	Decision making Skills	PSO1- ICT Skills
M	-	M	H	H	-	M	M	-	M	-	M	M	-	M
M	-	M	H	H	-	M	M	-	M	-	M	M	-	M
-	H	-	M	-	-	M	M	M	H	H	M	H	M	M
M	-	M	H	H	-	-	M	-	M	-	M	M	-	M
M	-	M	-	H	L	M	M	-	M	-	M	M	-	M

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		6	6	6	6	6
S-1	SLO-1	Speed Maths and Simplification	Profit and Loss-Introduction	Number Series	Most Logical Choice	Self-Introduction - Introduction
	SLO-2	Simplification Techniques and Tricks	Profit and Loss- Basic Problems	Number Series – Solving Problems	Most Logical Choice – solving problems	Self-Introduction - Session 1
S-2	SLO-1	Divisibility	Simple Interest-Introduction, Formulas & Problems	Word Series	Logical Order	Self-Introduction - Session 2
	SLO-2	Power cycle, Reminder cycle	Compound Interest-Introduction, Formulas & Problems	Word Series – Solving Problems	Logical Order – tips and tricks	Self-Introduction - Session 3

S-3	SLO-1	Problems on H.C.F and L.C.M	Averages-Introduction& Basics	Odd man out	Synonyms	Self-Introduction - Session 4
	SLO-2	Problems on H.C.F and L.C.M Solving problems	Averages-Tricky Problems	Missing number and wrong number	Antonyms	Self-Introduction - Session 5
S-4	SLO-1	Linear and Simultaneous Equation	Algebra –Introduction	Image Based Problems- Introduction	Essential Part	Self-Introduction - Session 6
	SLO-2	Linear and Simultaneous Equation – solving problems	Algebraic Expressions Concepts	Image Based Solving Problems	Parts of Speech - Worksheets	Self-Introduction - Session 7
S-5	SLO-1	Ratio and Proportions-Introduction	Data Interpretation – Bar chart, Pie Chart	Inequalities	Spotting Error	Basics of Written Communication
	SLO-2	Ratio and Proportions-Basics Problems	Data Interpretation – Table, Line Graph	Inequalities - methods	Spotting Error –Concord, Prepositional usage, Usage of Articles	Basics of Written Communication Methods
S-6	SLO-1	Percentage -Introduction	Quadratic Equations	Coding – Decoding-Introduction	Sentence Correction – Vocabulary based	Time Management Skills
	SLO-2	Percentage- Basic problems	Quadratic Equations – Formulas and Methods	Coding – Decoding-Different types	Sentence Correction – Grammar Based	Time Management Skills - Activity

Learning Resources	Textbooks: 1. Abhijit Guha, <i>Quantitative Aptitude for Competitive Examinations</i> , Tata McGraw Hill, 5th Edition 2. Dr. Agarwal.R.S, <i>Quantitative Aptitude for Competitive Examinations</i> , S. Chand and Company Limited, 2018 Edition 3. Archana Ram, <i>PlaceMentor: Tests of Aptitude for Placement Readiness</i> , Oxford University Press, Oxford, 2018
	References: 1. Edgar Thrope, <i>Test of Reasoning for Competitive Examinations</i> , Tata McGraw Hill, 6th Edition 2. Singh O.P., <i>Art of Effective Communication in Group Discussion and Interview</i> , S Chand & Company, 2014 3. Bhatnagar R P, <i>English for Competitive Examinations</i> , Trinity Press, 2016

Learning Assessment					
Level	Bloom's Level of Thinking	Continuous Learning Assessment (100% weightage)			
		CLA – 1 (20%)	CLA – 2 (20%)	CLA – 3 (30%)	CLA – 4 (30%)
		Practice	Practice	Practice	Practice
Level 1	Remember	30%	30%	30%	10%
	Understand				
Level 2	Apply	30%	30%	30%	50%
	Analyze				
Level 3	Evaluate	40%	40%	40%	40%
	Create				
	Total	100 %	100%	100%	100%

CLA-1, CLA-2 and CLA-3 can be from any combination of these: Online Aptitude Tests, Classroom Activities, Case Studies, Poster Presentations, Power-point Presentations, Mini Talks, Group Discussions, Extempore, etc. CLA – 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
Mr. M. Ponmurugan , Executive PMOSS, Cognizant Technology Solutions India Pvt. Limited, Chennai	Dr. G. Saravana Prabu, Asst. Professor, Department of English, Amrita Vishwa Vidhyapeedam, Coimbatore	1. Dr. Sathish K, HOD, Department of Career Guidance, FSH, SRMIST
		2. Ms. Deepalakshmi S, Assistant Professor, Department of Career Guidance, FSH, SRMIST

Course Code	UCD23V01T	Course Name	Universal Human Values	Course Category	V	Value Addition Course	L	T	P	0	C
							2	0	0	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Career Guidance Cell	Data Book / Codes/Standards	-		

Course Learning Rationale (CLR):		The purpose of learning this course is to:			Learning			Program Learning Outcomes (PLO)														
CLR-1:	Help the students to understand need of value education, appreciate the essential complimentary between 'values' and 'skills' and to ensure sustained happiness and prosperity which are the core aspirations of all human beings,				1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Help students initiate a process of dialog within themselves to know what they really want to be' in their life and profession.				Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary knowledge	Communication skills	Critical thinking	Problem solving	Analytical reasoning	Research related skills	Reflective thinking	Self-directed learning	Leadership Readiness/Qualities	Life-long learning	Professional skills	Experiential learning	Employability options	Decision making skills	ICT Skills
CLR-3:	Help students to understand the meaning of happiness and prosperity for a human being. understanding holistic perspective forms the basis of Universal Human Values and movement towards value-based living in a natural way.																					
CLR-4:	Help students on right understanding of the Human reality and the rest of existence, harmony at all the levels of human living, and live accordingly.																					
CLR-5:	Highlight plausible implications of such a Holistic understanding in terms of ethical human conduct, trustful and mutually fulfilling human behavior and mutually enriching interaction with Nature.																					
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:			3	80	70	L	M	M	-	M	L	H	M	-	H	-	H	-	-	-
CLO-1:	Evaluate the significance of value inputs in formal education and start applying them in their life and profession				3	80	75	-	M	M	-	M	-	H	M	M	H	-	H	-	M	-
CLO-2:	Distinguish between values and skills, happiness and accumulation of physical facilities, the Self and the Body, Intention and Competence of an individual, etc.				3	85	70	-	M	M	H	M	-	H	M	-	H	M	H	-	-	M
CLO-4:	Examine the role of a human being in ensuring harmony in society and nature.				3	85	80	-	M	M	-	M	-	H	M	-	H	-	H	-	M	-
CLO-5:	Apply the understanding of ethical conduct to formulate the strategy for ethical life and profession.				3	85	75	-	M	M	-	M	-	H	M	-	H	-	H	L	-	-

Duration (hour)	6	6	6	6	6
S-1	SLO	Right Understanding, Relationship and Physical Facility	Understanding Human being as the Co-existence of the Self and the Body	Harmony in the Family – the Basic Unit of Human Interaction	Understanding Harmony in the Nature
S-2	SLO	Understanding Value Education	Distinguishing between the Needs of the Self and the Body	Trust – the Foundational Value in Relationship	Interconnectedness, self-regulation and Mutual Fulfilment among the Four Orders of Nature
S-3	SLO	Self-exploration as the Process for Value Education	The Body as an Instrument of the Self	Respect – as the Right Evaluation	Exploring the Four Orders of Nature
S-4	SLO	Continuous Happiness and Prosperity – the Basic Human Aspirations	Understanding Harmony in the Self	Other Feelings, Justice in Human-to-Human Relationship	Realizing Existence as Co-existence at All Levels
S-5	SLO	Happiness and Prosperity – Current Scenario	Harmony of the Self with the Body	Understanding Harmony in the Society	The Holistic Perception of Harmony in Existence

S-6	SLO	Method to Fulfill the Basic Human Aspirations	Programme to ensure self-regulation and Health	Vision for the Universal Human Order	Exploring Co-existence in Existence	Strategies for Transition towards Value-based Life and Profession
-----	------------	---	--	--------------------------------------	-------------------------------------	---

Learning Resources	1. Gaur R.R., Sangal R., Bagaria G.P., 2019 (2nd Revised Edition), A Foundation Course in Human Values and Professional Ethics, Excel Books, New Delhi. 2. E.F. Schumacher, 1973, Small is Beautiful: a study of economics as if people mattered, Blond & Briggs, Britain.	3. A Nagraj, 1998, Jeevan Vidya EkParichay, Divya Path Sansthan, Amarkantak. 4. A N Tripathy, 2003, Human Values, New Age International Publishers.
---------------------------	---	--

Learning Assessment					
Level	Bloom's Level of Thinking	Continuous Learning Assessment (100% weightage)			
		CLA – 1 (20%)	CLA – 2 (20%)	CLA – 3 (30%)	CLA – 4 (30%)#
		Theory	Theory	Theory	Theory
Level 1	Remember	30%	30%	30%	30%
	Understand				
Level 2	Apply	40%	40%	40%	40%
	Analyze				
Level 3	Evaluate	30%	30%	30%	30%
	Create				
	Total	100 %	100%	100%	100%

CLA-1, CLA-2 and CLA-3 can be from any combination of these: MCQ Tests, Classroom Activities, Case Studies, Poster Presentations, Power-point Presentations, Mini Talks, Group Discussions, Extempore, etc.

CLA – 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
-	-	Dr. Supraja P, UHV University Coordinator, SRMIST Dr. Sathish K, HOD, Department of Career Guidance Cell, FSH, SRMIST Dr. Sweety Bakyarani E, Department of Computer Science, FSH, SRMIST

SEMESTER II

Course Code	ULT23G02J	Course Name	TAMIL – II	Course Category	G	Generic Elective Course	L	T	P	O	C
							2	0	2	2	3

Pre-requisite Courses	Tamil – I	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Tamil	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1:	சங்க இலக்கியங்கள் வழி தொன்மை அக புற வாழ்வியலை அறியச் செய்தல்	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	தமிழ்ச்சமூகத்தின் அறவியல் குறித்து தெரியச் செய்தல்	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO-3
CLR-3:	பக்தி இலக்கியங்கள் போதித்த மனித மாண்புகளை உணரச் செய்தல்																		
CLR-4:	பண்டைத் தமிழ்ச்சமூகத்தின் தொல் இலக்கியங்கள் வளர்ச்சி பெற்ற வரலாற்றைப் புரியச் செய்தல்																		
CLR-5:	சிறுகதைகள் சொல்லும் வாழ்வியல் நெறி மொழியின் நுட்பங்கள் ஆகியவற்றைத் தெரியச் செய்தல்																		
Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:																		
CLO-1:	பண்டைத் தமிழ்ச் சமூகத்தின் அக புற வாழ்வியல் இன்றைய சமூக மேம்பாட்டிற்கு வழிகாட்டி நிற்பதை அறிந்துகொள்ளுதல்	2	75	60	H	-	H	-	H	H	-	M	H	-	H	H	-	-	-
CLO-2:	தமிழ்ச் சமூகம் அறத்தை வலியுறுத்திய சமூகம் என்பதன் வழி மானுட அறத்தைத் தெரிந்துகொள்ளுதல்	2	80	70	H	-	H	-	H	H	-	H	H	-	H	M	-	-	-
CLO-3:	பக்தி இலக்கியம் மூலம் இறைத் தந்துவங்களை அறிந்து மானுட ஒற்றுமை மேம்பாட்டை அறிந்துகொள்ளுதல்	2	70	65	H	-	H	-	H	H	-	M	H	-	H	H	-	-	-
CLO-4:	தொல் தமிழ்ச்சமூகம் இலக்கியம் அரசியல் அறம் பக்தி ஆகியவற்றில் தழைத்தோங்கியதைத் தெரிந்துகொள்ளுதல்	2	70	70	H	-	H	-	H	H	-	H	H	-	H	H	-	-	-
CLO-5:	வாழ்வியலின் நெறிகளைச் சொல்லும் கதைகளைப் படைக்கும் திறனோடு மொழி ஆளுமையையும் அறிந்துகொள்ளுதல்	2	80	70	H	-	H	-	H	H	-	H	H	-	H	H	-	-	-

Duration (hour)		Learning Unit / Module 1 12	Learning Unit / Module 2 12	Learning Unit / Module 3 12	Learning Unit / Module 4 12	Learning Unit / Module 5 12
S-1	SLO-1	காலந்தோறும் தமிழ் அகத்திணை மரபு	சங்க மருவிய காலம்	பல்லவர் காலம்	பண்டைக்காலத் தமிழகம்	தமிழ்ச் சிறுகதைப் போக்குகள்
	SLO-2	அக இலக்கியத்தின் கட்டமைப்பு/ உள்ளடக்கம்	அறமும் வாழ்வியலும்	பல்லவர் கால இலக்கியங்கள்	சங்ககால மக்களின் வாழ்வியல்	தமிழ்ச் சிறுகதையும் தமிழ்ச் சமூக வாழ்வியலும்
S-2	SLO-1	எட்டுத்தொகை நூல்களும் பகுப்புமுறையும்	உலகப்பொதுமறை - திருக்குறள்	பக்தியும் தமிழும்	முச்சங்கம் - அறிமுகம்	புதுமைப்பித்தன் - சங்குத்தேவனின் தர்மம்
	SLO-2	ஐங்குறுநூறு (375)	திருக்குறளின் கட்டமைப்பு	பக்தி இலக்கியத் தோற்ற நிலை	முச்சங்க வரலாறு	கள்வனின் தர்மம்
S-3	SLO-1	உடன்போக்கும் நற்றாய் புலம்பலும்	திருக்குறள் வாள்சிறப்பு (2)	சைவ சமய இலக்கியங்கள்	பத்துப்பாட்டும் எட்டுத் தொகையும்	ந.பிச்சமூர்த்தி - வேப்பமரம்
	SLO-2	ஐங்குறுநூறு (391)	மழையும் வாழ்வும்	சைவக்குரவர் நால்வர்	சங்க கால மக்களின் வாழ்வியல்	மரபும் நம்பிக்கைகளும்
S-4	SLO-1	உடன் போக்கும் தமிழர் பறவையியல் அறிவும்	திருக்குறள் - புலவி நுணுக்கம்	தேவாரம் - திருஞான சம்பந்தர் - பாடல் - 2834	எட்டுத்தொகை நூல்களின் வரலாறு	தமிழருவி மணியன் - ஒற்றைச் சிறகு
	SLO-2	குறுந்தொகை (02)	ஊடலின் அழகியல்	தேவாரம் - திருநாவுக்கரசர் - பாடல் - 4262	எட்டுத்தொகை நூல்களின் கட்டமைப்பு	உறவின் மேன்மை
S-5	SLO-1	இயற்கைப் புணர்ச்சியும் தலைவி நலம் பாராட்டலும்	நீதி இலக்கியங்கள்	திருவாசகம் அறிமுகம்	பத்துப்பாட்டு நூல்களின் வரலாறு	ஆர். சூடாமணி - மூடநம்பிக்கை
	SLO-2	குறுந்தொகை (03)	நாலடியார்	மாணிக்கவாசகர் பாடல் - ஆனந்த பரவசம் - பாடல் 10	பத்துப்பாட்டும் தமிழர் வாழ்வியலும்	சமூகத்தில் மூடநம்பிக்கைகள்
S-6	SLO-1	தலைவனின் மேன்மைத் தன்மையும் இயற்கையும்	வைகலும் - பாடல் (39)	வைணவ சமயம்	பதினெண் கீழ்க்கணக்கு நூல்கள்	மூடநம்பிக்கைகளின் சிக்கல்கள்
	SLO-2	அகநானூறு (238)	நிலையாமையும் அறமும்	வைணவ சமய வளர்ச்சிப்போக்கு	பதினெண் கீழ்க்கணக்கும் தமிழர் அற மரபும்	கிருஷ்ணா டாவின்ஸி - காலா அருகே வாடா
S-7	SLO-1	இயற்கையும் அகவாழ்வுச் சித்திரிப்பும்	தமிழர் மருத்துவம்	நாலாயிரத் திவ்யப் பிரபந்தம்	நீதி இலக்கியங்கள்	மனித வாழ்வில் மருத்துவம்
	SLO-2	நள்ளியின் கொடைத்திறம்	நீதி இலக்கியத்தில் மருந்து நூல்கள்	குலசேகராழ்வார் பாடல் - 678	நீதி இலக்கியங்களின் பன்முகத் தன்மைகள்	பாரம்பரிய மருத்துவம்
S-8	SLO-1	கலித்தொகைப் பாடல் - (11)	சிறுபஞ்சமூலம் (64)	ஆண்டாள் பாடல் - 574.	காப்பிய இலக்கணம்	மொழிப்பயிற்சி

	SLO-2	அறம் பொருள் இன்பம் சிறப்பு	ஈகையின் சிறப்பு	திருமழிசை ஆழ்வார் பாடல் – கணிகண்ணன்	காப்பியத்தின் போக்குகள்	சொற்களை உருவாக்குதல்
S-9	SLO-1	சூழலியலும் மனித வாழ்வும்	பழமொழி நானூறு அறிமுகம்	தமிழில் இஸ்லாமிய இலக்கியங்கள்	காப்பியங்களின் வகைமை	எழுத்துகளில் இருந்து சொற்களைக் கண்டுபிடித்தல்
	SLO-2	தமிழர் புறமரபு	பழமொழி நானூறு – தனித்தன்மைகள்	இஸ்லாமிய இலக்கியங்களின் கொடை	ஐம்பெருங்காப்பியங் களின் தனித்தன்மைகள்	படம் பார்த்துக் கதை எழுதுதல்
S-10	SLO-1	புறநானூறு (107) பாரியும் மாரியும்	பழமொழி நானூறு (184)	சீறாப்புராணத்தின் அமைப்பு	தமிழ்ச் சமூகமும் சமயத் தத்துவங்களும்	படம் பார்த்துக் கவிதை எழுதுதல்
	SLO-2	புறநானூறு (110) பாரியின் வள்ளல் தன்மை	பழமொழியும் அறிவுரையும்	விடமீட்டப் படலம் (10 பாடல்கள்)	சமயத் தத்துவங்களும் வாழ்வியல் விழுமியங்களும்	கற்பனைத்திறன் – வளர்த்தல்
S-11	SLO-1	புறநானூறு (112) கையறுநிலை	பண்டைக்காலப் போரும் வாழ்வும்	கிறித்தவ சமய இலக்கியங்கள்	சைவத் திருமுறை – அறிமுகம்	கற்பனையும் படைப்பும்
	SLO-2	சிறுபாணாற்றுப்படை (84-115)	புற இலக்கியங்கள்	கிறித்தவ இலக்கியங்களின் தமிழ்க் கொடை	பன்னிரு திருமுறை – வரலாறு	தமிழில் வாசகம்
S-12	SLO-1	கடையெழு வள்ளல்களின் சிறப்புகள்	களவழி நாற்பது (40)	கிறித்துவின் அருள்வேட்டல் – திரு-வி-க	நாலாயிரத் திவ்வியப் பிரபந்தம் – அறிமுகம்	விளம்பரத்திற்கு வாசகம் எழுதுதல்
	SLO-2	பட்டினப்பாலை (40-50) அட்டில் சாலைகளின் நிலை	போர்க்களமும் யானைப்படையும்	அலகிலொளி – 5 பாடல்கள்	வைணவ ஆழ்வார்கள் வரலாறு	வாசகம் எழுது முறைகள்

Learning Resources	Textbooks: 1. கொன்றை, தொகுப்பும் பதிப்பும் - தமிழ்த்துறை ஆசிரியர்கள், தமிழ்த்துறை, எஸ்.ஆர்.எம். அறிவியல் மற்றும் தொழில்நுட்பக் கல்விநிறுவனம், காட்டாங்குளத்தூர், 603203, 2023 2. தமிழண்ணல், புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு, மீனாட்சி புத்தக நிலையம், மதுரை, 2017 References: 3. மு. அருணாசலம், தமிழ் இலக்கிய வரலாறு, நூற்றாண்டு முறை (9ஆம் நூ. முதல் 16 வரை), தி பார்க்கர், சென்னை, 2005 4. தமிழ் இணையக் கல்விக்கழகம் - http://www.tamilvu.org/ 5. மதுரை தமிழ் இலக்கிய மின் தொகுப்புத் திட்டம் - https://www.projectmadurai.org/

Bloom's Level of Thinking		Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
Total		100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Expert from Higher Technical Institutions	Internal Experts
<i>Dr. P.R.Subramanian, Director, Mozhi Trust, Thiruvanniyur, Chennai – 600 041.</i>	<i>1. Dr. V. Dhanalakshmi, Associate Professor, Subramania Bharathi School of Tamil Language & Literature, Pondicherry University, Pondicherry</i>	<i>1. Dr. B.Jaiganesh, Associate Professor & Head, Dept. of Tamil, FSH, SRMIST</i>
		<i>2. Dr. R. Ravi, Assistant Professor and Head, Dept. of Tamil, FSH, SRMIST, VDP.</i>
		<i>3. Mr. G. Ganesh, Assistant Professor, Dept. of Tamil, FSH, SRMIST, RMP.</i>
		<i>4. Dr. T.R.Hezbibah beulah Suganthi, Assistant Professor, Dept. of Tamil, FSH, SRMIST, KTR.</i>
		<i>5. Dr. S.Saraswathy, Assistant Professor, Dept. of Tamil, FSH, SRMIST, KTR.</i>

Course Code	ULH23G02J	Course Name	HINDI - II	Course Category	G	Generic Elective Course	L	T	P	O	C
							2	0	2	2	3

Pre-requisite Courses	HINDI-I	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	HINDI		Data Book / Codes/Standards	Nil	

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	They get to learn Ancient, Medieval, and Modern poetry	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	To understand the Significance of poems of great poets like Kabir, Tulsidas, Bihari and Dhananand	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO -3
CLR-3 :	To Enhance and Enrich their knowledge through poetry																		
CLR-4 :	Media based understanding for employability																		
CLR-5 :	Job Oriented writing skills																		
Course Learning Outcomes (CLO):	At the end of this course, learners will be able																		
CLO-1 :	To provide a brief Introduction of Hindi poetry (Bhaktikal, Reetikal and Aadhunikkal)	2	75	80	H	H	H	M	L	H	L	M	L	L	H	M	-	-	-
CLO-2 :	To Discuss the origin and development of various forms of poetry in Hindi	2	80	90	H	H	H	M	L	H	H	M	L	L	H	M	-	-	-
CLO-3 :	Focus on Evaluating the social changes through poetry	2	75	95	H	H	M	L	H	H	M	H	M	M	H	H	-	-	-
CLO-4 :	To Examine Transcreation in advertisement	2	80	90	H	H	L	H	M	H	L	H	H	M	H	H	-	-	-
CLO-5 :	To guide the students in the learning of the technical aspect of the Hindi Language, this would help them in the field administration	2	85	90	M	H	M	H	L	H	H	L	H	M	H	H	-	-	-

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		12	12	12	12	12
S-1	SLO-1	Bhakti kalin kavita	Riti kalin kavita	Adhunik kavita	Vigyapan	Patra lekhan & paribhashik shabdavali
	SLO-2	Bhakti kalin kavita ki avadharna	Avadharna	Avadharna	Avadharna	Avadharna
S-2	SLO-1	Swarup	Swarup	Swarup	Arth	Arth
	SLO-2	Mahatva	Riti kal vibhajan	Mahatva	Paribhasha	Swarup
S-3	SLO-1	Uddeshya	Mahatva	Uddeshya	Swarup	Paribhasha
	SLO-2	Bhaktikal ki prasangika	Uddeshya	Mathli sharan gupt- nar ho na nirash karo man ko	Vigyapan ke prakar	Prayojan

S-4	SLO-1	Dohe- kabirdas	Dohe- bihari	Kavi parichaya	Vigyapan ki visheshtayen	Prayog
	SLO-2	Sant parichay	Kavi parichaya	Kavita ka visleshan	Vigyapan mang	Mahatva
S-5	SLO-1	Dohe ka visleshan	Dohe ka visleshan	Ashavadi drishtikon	Vigyapan ka prabhav	Patralekhan kala
	SLO-2	Guru ka mahatva	Kanak ka mahatva	Sangharsh ki aor prema	Vigyapan mahatva	Prakar
S-6	SLO-1	Gurutva se ishvaratva ki aor	Viprit swabhav ki charcha	Suryakant tripathi niral- var de	Vigyapan ki bhasha	Vyaktigat patra
	SLO-2	Gurutva se ishvaratva ki aor	Prakriti ka atal rup	Kavi parichaya	Vigyapan aur bazar	Aupcharik patra
S-7	SLO-1	Bahya adambar ka virodh	Yamak alankar ka prayog	Kavita ka visleshan	Vigyapan aur rozgar	Sarkari patra
	SLO-2	Murti pooja ka virodh	Sneh ke mahatva ki charcha	Sarshwati ke patri samarpan	Print vigyapan	Ardha sarkari patra
S-8	SLO-1	Gharelu vashtuon ki upyogita	Bihari ki kavya shaili ka mahatva	Bhakti ki bhavana	Electronic vigyapan	Paribhashik shabdavali
	SLO-2	Ahnkar ka parityag	Dohe- ghananand	Nagarjun-- akal aur uske bad	Vigyapan pariyojana	Avadharna
S-9	SLO-1	Dohe- tulshidas	Kavi parichaya	Akal ka vashnavik chitran	Vigyapan aur samaj	Shabdavali ki avshyakta
	SLO-2	Paropkar ki bhavana	Dohe ka visleshan	Akal ke purva ka chitran	Vigyapan ki vyapakta	Karyalyin shabdavali
S-10	SLO-1	Daya ka mahatva	Sneh ki sarlta ka varnan	Akal ke bad ka chitran	Vigyapanlekhan kala	E ek din ek shabd
	SLO-2	Ishvar ki mhatta	Prem ka mahatva	Kattis- badrinarayan	Vigyapan aur jagrupta	Hindi se angreji shabd
S-11	SLO-1	Madhur vahan ki upyogita	Nayika ke prati smarpan	Samband vicched ki paricharcha	Uddeshya	Angrej se hindi shabd
	SLO-2	Ram ki mahima	Ghananand ki kavya shaili ka mahatva	Swarth nihit bhavana	Vigyapan ki spastta	Abhyash karya
S-12	SLO-1	Dhoha paricharcha	Dhoha paricharcha	Kavya paricharcha	Vigyapanparicharcha	Paricharcha
	SLO-2	Prashnaabhyash	Prashnaabhyash	Prashnaabhyash	Prashnaabhyash	Prashnaabhyash

Learning Resources	Edited Book: ""SAMANYA HINDI", SRIJONLOK PUBLICATION, 2023, New Delhi.
	1. KABIR – HAZARI PRASAD DWEDI 2. SURDAS – RAM CHANDRA SHUKL 3. BHAKTI ANDOLAN AUR SURDAS KA KAVYA – MANAGER PANDEY 4. BIHARI – VISHVNATH PRASAD MISHR Aadhunik Vigyapan aur Jansampark – Taresh Bhatia

Learning Assessment											
Bloom’s Level of Thinking		Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	30%	30%	30%	30%	20%	20%	20%	20%	30%	-
	Understand										
Level 2	Apply	40%	50%	50%	40%	50%	50%	50%	50%	50%	-
	Analyze										
Level 3	Evaluate	30%	20%	20%	30%	30%	30%	30%	30%	20%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
Shri. Santosh Kumar Editor : Srijanlok Magazine Place: Vashishth Nagar, Ara – 802301	<i>Prof.(Dr.) S.Narayan Raju, Head, Department of Hindi,CUTN, Tamilnadu</i>	<i>1. Dr.S Preeti. Associate Professor & Head, SRMIST</i> <i>2. Dr. Md.S. Islam Assistant Professor, SRMIST</i> <i>3.Dr. S. Razia Begum, Assistant Professor, SRM IST</i> <i>4, Dr.Nisha Murlidharan Assistant Professor, VDP,SRM IST</i>

Course Code	ULF23G02J	Course Name	FRENCH - II	Course Category	G	Generic Elective Course	L	T	P	O	C
							2	0	2	2	3

Pre-requisite Courses	French-I	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	French	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Strengthen the language of the students both in oral and written	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Express their sentiments, emotions and opinions, reacting to information, situations	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO -3
CLR-3 :	Make them learn the basic rules of French Grammar.																		
CLR-4 :	Develop strategies of comprehension of texts of different origin																		
CLR-5 :	Enable the students to overcome the fear of speaking a foreign language and take position as a foreigner speaking French																		
Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:																		
CLO-1 :	Acquire knowledge about French language	2	75	80	H	M	H	H	M	H	H	H	H	M	H	H	-	-	-
CLO-2 :	Strengthen the knowledge on concept, culture, civilization and translation of French	2	80	90	M	H	M	H	H	M	H	M	L	H	H	M	-	-	-
CLO-3 :	Develop content using the features in French language	2	75	80	H	H	H	M	H	L	H	H	M	H	H	H	-	-	-
CLO-4 :	Interpret the French language into other language	2	75	90	H	H	M	H	M	H	H	M	H	H	M	H	-	-	-
CLO-5 :	Improve the communication, intercultural elements in French language	2	80	75	M	H	H	M	M	M	H	H	M	H	H	M	-	-	-

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		12	12	12	12	12
S-1	SLO-1	Temps libre	Le pronom indéfini <i>on</i>	Vendre	Il faut	Les gallicismes
	SLO-2	Les activités quotidiennes	Les activités	Les exemples	C'est / Il est	Les activités
S-2	SLO-1	Les exemples	Les adjectifs interrogatifs	Acheter	Le verbe devoir	Les pronoms personnels COI
	SLO-2	Les activités	Les activités	Les exemples	Les activités	Les exemples
S-3	SLO-1	Les moments de la journée	Les prépositions avec les noms géographiques	Les aliments	Le verbe pouvoir	Le pronom y
	SLO-2	Les exemples	Les activités	Les exemples	Le verbe savoir	Les exemples

S-4	SLO-1	Les matières scolaires	Les verbes prendre et sortir	Les emballages	Le verbe vouloir	Des pronoms compléments
	SLO-2	Les exemples	Les activités	Les exemples	Les sons	Les activités
S-5	SLO-1	Les activités	Les sons	Les quantités	Demander et dire le prix	Les nombres ordinaux
	SLO-2	Les loisirs	Les activités	Les exemples	Les activités	Les exemples
S-6	SLO-1	Les exemples	Parler de ses goûts	Les commerces	Faire des achats	Les verbes écrire et voir
	SLO-2	Les activités	Les activités	Les activités	Expliquer une recette de cuisine	Les activités
S-7	SLO-1	La fréquence	Parler de ses préférences	les commerçants	Les activités	Le E caduc ou instable
	SLO-2	Les exemples	Les activités	Les exemples	Les courses	Les exemples
S-8	SLO-1	Les activités	Parler de sa routine	L'impératif	Les activités	Présenter ses vœux
	SLO-2	Les verbes pronominaux	Les activités	Les activités	Vendre et acheter	Présenter ses souhaits
S-9	SLO-1	Les exemples	A la recherche d'un cadeau –.	Les articles partitifs	Mots et expressions	Présenter ses félicitations
	SLO-2	Les activités	Les activités	Les exemples	Grammaire	inviter à une invitation
S-10	SLO-1	Les pronoms personnels COD	Temps libre	Très ou beaucoup (de)	Communication	répondre à une invitation
	SLO-2	Les exemples	Les activités	Les exemples	Tout le monde s'amuse	Les exemples
S-11	SLO-1	Les activités	Mots et expressions	Le pronom en (la quantité)	Les sorties	Écrire un message amical
	SLO-2	Les adjectifs démonstratifs	Les activités	Les exemples	Les saisons	Les exemples
S-12	SLO-1	Les exemples	Grammaire –Communication	La phrase négative (2	Les fêtes	Parler au téléphone
	SLO-2	Les activités	Les activités	Les exemples	Les messages	Un coup de fil

Learning Resources	Textbooks:
	1. ‘‘La Nouvelle Génération-AI’’ Méthode de français, Marie-Noëlle COCTON, P.DAUDA, L.GIACHINO, C.BARACCO, Les éditions Didier, Paris, 2018.
	2.Cahier d'activités avec deux discs compacts.
	Theory:
	https://www.fluentu.com/blog/french/french-grammar https://www.elearningfrench.com/learn-french-grammar-online-free.html https://www.lawlessfrench.com/grammar https://blog.gymglish.com/2022/12/15/basic-french-grammar

Bloom's Level of Thinking		Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										

Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
Total		100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Expert from Higher Technical Institutions	Internal Experts
1. Mr. Kavaskar Danasegarane, Process Expert, Maersk Global Service Center Pvt. Ltd	<i>Dr. C.Thirumurugan Professor, Department of French, Pondicherry University</i>	1. Mr. Kumaravel K. Assistant Professor & Head, SRMIST, KTR
2.Mr. Sharath Raam Prasad Character Designer, Animaker Company Pvt.		2. Mrs. Abigalai Assistant Professor, SRMIST, VDP

Course Code	UES23AE1T	Course Name	ENVIRONMENTAL STUDIES	Course Category	AE	Ability Enhancement Courses	L	T	P	O	C
							3	0	0	2	3

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Computer Applications	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)														
CLR-1 :	To create awareness on Environment and Renewable and Non-renewable resources			1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	To understand about ecosystem and Biodiversity			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Professional Behavior	Life Long Learning
CLR-3 :	To understand the natural and anthropogenic impact of the environmental pollution																				
CLR-4 :	To create awareness on different environmental problems																				
CLR-5 :	To create awareness on various Environment Protection acts and the impact of human population on environment																				
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																			
CLO-1 :	Applying knowledge on Renewable and Non-renewable resources			2	80	65	L	H	L	M	L	H	L	L	L	H	L	M	-	-	M
CLO-2 :	Understanding about ecosystem and Biodiversity			2	80	70	M	H	L	M	L	H	L	L	L	H	L	M	-	-	M
CLO-3 :	Gathering knowledge on impact of environmental pollution			2	80	70	L	H	L	M	L	H	M	M	M	H	L	M	-	-	M
CLO-4 :	Understanding of different environmental problems			2	80	70	M	H	L	M	L	H	M	M	M	H	L	M	-	-	M
CLO-5 :	Having knowledge on various Environment Protection acts and the impact of human population on environment problems			2	80	65	M	H	L	M	L	H	L	M	L	H	L	M	-	-	M

Duration (hour)		9	9	9	9	9
S-1	SLO-1	Multidisciplinary nature of environmental studies	Energy flow in the ecosystem	Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity	Disaster management- Nature Floods, Earthquakes	Environment Protection Act
	SLO-2	Definition, Scope and Importance of Environmental Studies		Environmental Pollution- Definition		Air (Prevention and Control of Pollution) Act
S-2	SLO-1	Need for public awareness.	Ecological succession	Causes, Effects and Control Measures of Air Pollution	Cyclones Landslides	Water (Prevention and control of Pollution) Act
	SLO-2	Institutions in Environment	Food chains, Food webs and Ecological pyramids			Wildlife Protection Act
S-3	SLO-1	People in Environment	Ecosystem, Introduction, Types, Characteristic features, Structure and functions	Causes, Effects and Control Measures of Water Pollution	Social Issues and the Environment: From Unsustainable to Sustainable Development	Forest Conservation Act
	SLO-2	Introduction to natural resources- Associated Problems	Forest ecosystem			Issues involved in enforcement of environmental legislation
S-4	SLO-1	Renewable and Nonrenewable resources	Grassland ecosystem	Causes, Effects and Control Measures of Soil Pollution	Urban problems related to energy	Public awareness
	SLO-2	Forest resources	Desert ecosystem		Water Conservation	

S-5	SLO-1	Water Resources	Aquatic ecosystems (ponds, lakes, streams)	Causes, Effects and Control Measures of Marine pollution	Rain Water Harvesting, Watershed	Human Population and the Environment: Population growth, variation among nations
	SLO-2	Mineral Resources	Aquatic ecosystems (rivers, estuaries, oceans)			
S-6	SLO-1	Food Resources	Biodiversity and its conservation-genetic, species and ecosystem diversity	Causes, Effects and Control Measures of Noise Pollution	Environmental Ethics: Issues and Possible Solutions	Population explosion – Family Welfare Programme
	SLO-2	Energy Resources	Biogeographical classification of India			Environment and human health
S-7	SLO-1	Land Resources	Value of Biodiversity	Causes, Effects and Control Measures of Thermal Pollution	Climate change & Global warming	Human Rights
	SLO-2	Role of an individual in conservation of natural resources	Biodiversity at Global, National and Local Levels			Value Education
S-8	SLO-1	Equitable use of resources for sustainable lifestyles	India as a Mega Diversity Nation	Causes, Effects and Control Measures of Nuclear hazards	Acid rain & Ozone layer depletion	HIV/AIDS
	SLO-2	Concept of an ecosystem	Hot-spots of biodiversity			
S-9	SLO-1	Structure and Functions of an ecosystem	Threats to biodiversity: habitat loss, poaching of wildlife man-wildlife conflicts	Solid Waste Management Causes, Effects and Control Measures of Urban and Industrial Waste	Nuclear Accidents and Nuclear Holocaust	Women and Child Welfare
	SLO-2	Producers, consumers and decomposers	Endangered and endemic species of India	Role of Individuals In Pollution Prevention	Wasteland Reclamation	Role of Information Technology in Environment and human health

Learning Resources	Theory:	
	1.	Bharucha Erach, (2013), Textbook of Environmental Studies for Undergraduate Courses (Second edition). Telangana, India: Orient BlackSwan.
	2.	Basu Mahua, Savarimuthu Xavier, (2017), SJ Fundamentals of Environmental Studies. Cambridge, United Kingdom: Cambridge University Press
	3.	R.Jeyalakshmi (2014),Text book of Environmental Studies, Devi publications, Chennai.
	4.	Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad – 380013, India, Email:mapin@icenet.net (R)

Learning Assessment											
Level	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	40%	-	40%	-	40%	-	40%	-	40%	-
	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
	Analyze										
Level 3	Evaluate	30%	-	30%	-	30%	-	30%	-	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc

Course Designers		
Experts from Industry	Experts from Academic	Internal Experts
	Dr.N.Banu, Assistant Professor Bharathi Womens College (Autonomous), Chennai	I. Dr. P. Parthipan, Assistant Professor, Department of Biotechnology, FSH, SRMIST

Dr.Arumugam Perumal, Director ARMATS BIOTEK Training and Research Institute, Chennai		<i>2.Dr. D. Sankari, Professor and Head, Department of Biotechnology, FSH, SRMIST</i>
--	--	---

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S 4-6	SLO-1	<i>Sweezy's 'Kinked-Demand' Model</i>	<i>Ricardo's Theory of Rent</i> <i>Quasi rent Economic rent</i>	<i>Edgeworth Box diagrams with</i> <i>Contract Curves</i>	<i>Classical Welfare Criteria – A Brief</i> <i>Note</i>	<i>Demand and Supply in the Presence of</i> <i>Asymmetric Information</i>
	SLO-2	<i>Mathematical and Graphical</i> <i>Derivation</i>	<i>Labour as a Factor of</i> <i>Production</i>	<i>Efficiency in Production</i>	<i>Neo-Classical Welfare Criteria – A</i> <i>Brief Note</i>	
S-7	SLO-1	<i>Edgeworth and Stackelberg</i> <i>Models of Oligopoly</i>	<i>Factor markets with Monopsony</i> <i>power</i>	<i>Efficiency in Exchange</i>	<i>Pigou's Welfare Criteria – Present</i> <i>Day Examples</i>	<i>Asymmetry of Information and Market For</i> <i>Lemons</i>
	SLO-2	<i>Mathematical and Graphical</i> <i>Derivation</i>	<i>Unionized (collective</i> <i>bargaining) and Ununionized</i> <i>workers</i>	<i>Euler's Product Exhaustion</i> <i>Theorem</i>	<i>Pareto's Optimality Criteria for</i> <i>Welfare</i>	
S-8	SLO-1	<i>Average-Cost Pricing</i> <i>Model and Practice problems</i>	<i>Factor market with Monopoly</i> <i>Power</i>	<i>Importance of Euler's Theorem to</i> <i>General Equilibrium</i>	<i>Efficiency of Distribution of</i> <i>Commodities among Consumers</i>	<i>Importance of Reputation and</i> <i>Standardization in those Markets</i>
	SLO-2	<i>Limit-Pricing Models – Bain</i> <i>Model Mathematical and</i> <i>Graphical Derivation</i>	<i>Pricing of Labour</i>		<i>Efficiency of Distribution of Factors</i> <i>among Firm/Producers</i>	<i>Asymmetry of Information - Market Signaling</i>
S-9	SLO-1	<i>Limit-Pricing Models – Sylos-</i> <i>Labini Model</i>	<i>Marginalistic Pricing Principle</i> <i>for Wages</i>	<i>Pareto optimality conditions for</i> <i>Allocation of Resources</i>	<i>Efficiency in the Composition of</i> <i>Output (Product-mix)</i>	<i>Simple Model of Job Market Signaling</i> <i>Practical Examples and Problems</i>
	SLO-2	<i>Mathematical and Graphical</i> <i>Derivation</i>	<i>Mathematical Problems</i>	<i>Static Properties of 2x2x2 model</i>	<i>Compensation Principle</i>	<i>Asymmetry of Information - Adverse selection</i> <i>Practical Examples and Problems</i>
S10-12	SLO-1	<i>Limit-Pricing Models –</i> <i>Modigliani Model</i>	<i>Interest as a Factor of</i> <i>Production</i>	<i>Equilibrium of Production</i>	<i>Kaldor Hicks' Compensation</i> <i>Criteria</i>	<i>Asymmetry of Information - Moral hazard</i>
	SLO-2	<i>Mathematical and Graphical</i> <i>Derivation</i>	<i>Theories of Interest</i>	<i>Efficiency in Factor Substitution</i>	<i>Bergson's Welfare Criteria</i>	<i>Guarantees and Warranties</i>
S-13	SLO-1	<i>Collusive Oligopoly – Cartels</i>	<i>Liquidity Preference theory</i> <i>Assumptions and Limitations</i>	<i>Equilibrium of Consumption</i>	<i>Welfare Contours</i>	<i>Asymmetry of Information - Principal-Agent</i> <i>problem</i>
	SLO-2	<i>Cartels for Joint Profit</i> <i>Maximization - Examples</i>	<i>Loanable Funds Theory</i> <i>Assumptions and Limitations</i>	<i>Efficiency in Product Substitution</i>	<i>Bergson-Samuelson Social Welfare</i> <i>Function</i>	<i>Principal-Agent problem in Public Enterprises</i>
S-14	SLO-1	<i>Cartels: Market Sharing Cartels</i>	<i>Abstinence theory</i> <i>Assumptions and Limitations</i>	<i>Simultaneous Equilibrium of</i> <i>Production and Consumption</i>	<i>Arrow's Impossibility Theorem</i> <i>Impossibility Theorem and Welfare</i> <i>Maximization</i>	<i>Asymmetry of Information - Principal-Agent</i> <i>problem in Private Enterprises</i>
	SLO-2	<i>Examples including OPEC Cartel,</i> <i>Gold Cartel etc</i>	<i>Net Present Value Criteria for</i> <i>capital investment Assumptions</i> <i>and Limitations</i>	<i>Efficiency of Product-Mix</i>	<i>Second-Best Solution</i> <i>Value judgment</i>	<i>Incentives in the Principal-Agent Framework</i>
S-15	SLO-1	<i>Price Leaderships: Low Cost</i> <i>Price Leadership</i>	<i>Profits: Theories of Profit</i>	<i>General Equilibrium and Allocation</i> <i>of Resources</i>	<i>Maximization of Social Welfare</i>	<i>Managerial incentives in integrated firm</i>
	SLO-2	<i>Price Leaderships: Dominant-</i> <i>Firm</i>	<i>Innovation theory</i>		<i>Derivation of Grand Utility</i> <i>Possibility Frontier</i>	<i>Asymmetric Information and Incentive</i> <i>Design in the Integrated Firm 7 Applications</i>
S16-18	SLO-1	<i>Barometric Price Leadership</i>	<i>Risk-Bearing theory</i>	<i>Prices of Commodities and Factor</i>	<i>Determination of Welfare-</i> <i>Maximizing Output-Mix and</i> <i>Commodity Distribution & Resource</i> <i>Allocation</i>	<i>Asymmetric Information in Labour Market.</i>
	SLO-2	<i>Examples and Case Studies</i>	<i>Theory of Uncertainty</i>	<i>Factor Ownership and Income</i> <i>Determination</i>		<i>Efficiency Wage Theory</i>

Learning Resources	1. Pindyck. R. S. and D.L. Rubinfeld, <i>Micro Economics Ninth edition</i> prentice Hall 2017	4. Koutsoyiannis, <i>Modern Microeconomics</i> , Macmillan Education, 2nd Edn 5. Dominick Salvatore, <i>Microeconomics Theory and Applications</i> , Oxford University Press, 5th Edn
	2. Hal. R. Varian, <i>Intermediate Micro Economics, A Modern Approach</i> W.W. Norton and Company / Affiliated East-West Press (India) 9th edition 2014	
	3. Gregory Mankiw. N, <i>Principles of Microeconomics</i> , South-Western Cengage Learning, 8th Edn, 2016	

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23202J	Course Name	CALCULUS FOR ECONOMICS	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is:			Learning			Program Learning Outcomes (PLO)														
					1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-1 :	Understand the importance and functions of Differentiation				Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-2 :	Learn to apply differentiation and find Equilibrium in various forms of markets																					
CLR-3 :	Learn the uses of total differentiation in Economic theories																					
CLR-4 :	Analyze Constrained-Optimization of variables in Economics																					
CLR-5 :	Use integration techniques to solve Cost and Utility Analysis & Summarize the tools of Calculus essential for Economics																					
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																				
CLO-1 :	Solve basic economic problems using Calculus				3	85	80	H	H	H	H	M	H	H	M	H	H	-	H	L	-	H
CLO-2 :	Understand the importance of Calculus in Economic analysis				3	75	85	H	H	H	H	M	H	H	M	H	H	-	H	L	-	H
CLO-3 :	Use Calculus to optimize the cost and revenue functions of a Firm				3	85	80	H	H	H	H	M	H	H	M	H	H	-	H	L	-	H
CLO-4 :	Use Calculus to optimize the utility and cost functions of a Consumer				3	85	80	H	H	H	H	M	H	H	M	H	H	-	H	L	-	H
CLO-5 :	Analyze theories both mathematically and graphically & Equip themselves for an advanced study in Mathematical Economics				3	75	80	H	H	H	H	M	H	H	M	H	H	-	H	L	-	H
					3	85	80	H	H	H	H	M	H	H	M	H	H	-	H	L	-	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1	Limits and Continuity	Convex and Concave functions	Partial derivatives	Optimization with two variables	Rules of Integration
	SLO-2					
S-2	SLO-1	Differentiability of a function	Convex and Concave functions	Second order partial derivatives	output, revenue and profit maximization under perfect competition	Integration by substitution
	SLO-2					
S-3	SLO-1	Slope of a curve	Maximization and Minimization of a function	total and partial differential	profit maximization under monopoly	Integration by parts
	SLO-2					
S4-6	SLO-1	Increasing and decreasing function	Maximization and Minimization of a function	total derivatives	oligopoly and duopoly markets	Define Integrals
	SLO 2			implicit function rules		
S-7	SLO 1	Simple rules of differentiation	Output, Sales, Revenue maximization	Marginal Productivity	Constrained optimization: Kuhn-Tucker Conditions	Properties of Definite integrals
	SLO-2			Partial Elasticities		
S-8	SLO-1	Application of differentiation in economics –calculation of marginal cost, average cost, marginal revenue, and average revenue from their respective total cost and revenue functions	Output, Sales, Revenue maximization	Cross Price Elasticity	Lagrangian multiplier	Area under a curve
	SLO-2					

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-9	SLO-1	Application of differentiation in economics –calculation of marginal cost, average cost, marginal revenue, and average revenue from their respective total cost and revenue functions	Output, Sales, Revenue maximization	Production function	Jacobian, Hessian and Bordered Hessian Methods of Optimisation	Economic applications: Derivation of total function (Total output, Revenue, Cost, Utility, etc.,) from the Marginal function
	SLO-2					
S10-12	SLO-1	Elasticity: types of elasticity	Output, Sales, Revenue maximization	Homogeneous and non – homogeneous	Numerical problems of utility, output, sales, revenue and profit maximization under different market conditions	Economic applications: Derivation of total function (Total output, Revenue, Cost, Utility, etc.,) from the Marginal function
	SLO-2					
S-13	SLO-1	calculation of price- income elasticity of demand	Cost minimization	Euler's Theorem	Numerical problems of utility, output, sales, revenue and profit maximization under different market conditions	Profit Maximization
	SLO-2					
S-14	SLO-1	substitutes and compliments	Profit maximization under Perfect Competition, Monopoly, Discriminating Monopoly etc.	Cobb-Douglas	Numerical problems of utility, output, sales, revenue and profit maximization under different market conditions	Consumer surplus vs Producer surplus
	SLO-2					
S-15	SLO-1	Relationship between AR, MR, and price elasticity of demand	Profit maximization under Perfect Competition, Monopoly, Discriminating Monopoly etc.	CES production function	Numerical problems of utility, output, sales, revenue and profit maximization under different market conditions	Consumer surplus
	SLO-2					
S16-18	SLO-1	Relationship between average and marginal cost	Effect of taxation	CES production function	Numerical problems of utility, output, sales, revenue and profit maximization under different market conditions	Producer surplus
	SLO-2					

Learning Resources/ Reference books	1. Jean E. Weber, 'Mathematical Analysis, Business and Economics Applications', Harper International Edition, Cambridge. 4 th Edition 1982.	5. Edward T. Dowling, Theory and Problems of Mathematics for Economists, Schaum's Outline Series, McGraw Hill, New York.
	2. Alpha C Chiang & Kevin Walnwright, 'Fundamental Methods of Mathematics Economics', McGraw Hill, New York. 4 th Edition 2005	6. Laurence D. Hoffmann, Gerald L. Bradley, Calculus for Business and Economics, McGraw Hill, New York.
	3. Mehta.B.C. & G.M.K. Madnani 'Mathematics for Economists'. Sultan Chand and Sons, 2003	7. Knut Sydstaeter & Peter J Hammond, 'Mathematics for Economic Analysis', Pearson edition, 2002.
	4. Mabbet, A.J., Workout Mathematics for Economists, Mac Millan Master Series, London.	8. Renshaw, G, 'Maths for Economics', Oxford University Press. 4 th Edition 2016.

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%) #			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23203J	Course Name	STATISTICAL METHODS FOR ECONOMICS	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	2	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Learn statistical methods required for Economics	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Study probability and probability distributions	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Learn sampling and estimation methods				H	H	H	M	M	H	H	H	H	H	-	H	L	-	H
CLR-4 :	Know the testing of hypothesis				H	M	H	H	M	M	H	H	H	M	-	H	L	-	H
CLR-5 :	Learn correlation and regression & Learn to apply statistics in Economics				H	H	H	H	M	M	H	H	H	H	-	H	L	-	H
CLR-5 :	Learn correlation and regression & Learn to apply statistics in Economics				H	H	H	H	M	M	H	H	H	M	-	H	L	-	H
Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	3	85	75	H	H	H	M	M	H	H	H	H	H	-	H	L	-	H
CLO-1 :	Have a good understanding of probability	3	80	85	H	M	H	H	M	M	H	H	H	M	-	H	L	-	H
CLO-2 :	Know about sample survey and sampling methods	3	80	75	H	H	H	H	M	M	H	H	H	H	-	H	L	-	H
CLO-3 :	Identify suitable estimation methods	3	85	75	H	H	H	H	M	M	H	H	H	H	-	H	L	-	H
CLO-4 :	Use hypothesis testing in analyzing relation between economic variables	3	85	80	H	H	H	H	M	M	H	H	H	M	-	H	L	-	H
CLO-5 :	Draw statistical inferences & Apply statistics in Economic phenomena	3	75	80	H	H	H	H	M	M	H	H	H	M	-	H	L	-	H

Duration (hour)	Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
	15	15	15	15	15
S-1	SLO-1 Sample space	Discrete and Continuous random variables	Population Sample	Simple, composite and joint hypotheses	Correlation Types of correlation
S-2	SLO-1 Events	Mathematical expectation	Sample survey Principles of Sampling	Simple, composite and joint hypotheses	Karl Pearson's coefficient of correlation
S-3	SLO-1 Axiomatic definition of probability	Probability mass functions	Sampling error	Null and Alternative hypothesis	Spearman's Rank correlation
S4-5	SLO-1 Addition and multiplication laws	Probability density functions	Random and Non-random sampling	Type I and II errors	Regression
S-6	SLO 1 Addition and multiplication laws	Probability distribution functions	Random number tables	Level of Significance	Regression versus correlation
S-7	SLO-1 Conditional probability and Bayes' rule	Probability distribution functions	Parameter and statistic	p value Power of a test	Simple linear regression
S-8	SLO-1 Conditional probability and Bayes' rule	Binomial	Sampling distribution of a statistic	Parametric tests: z-test, t-test, Chi-square test, F-test	Method of ordinary least squares
S9-10	SLO-1 Independent events	Poisson	Central limit theorem Standard error	Testing means, proportions, variance in small and large samples	Derivation of slope and intercept

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-11	SLO-1	Independent events	Normal	Point and Interval Estimation	Testing means, proportions, variance in small and large samples	Testing for significance
	SLO-2					
S-12	SLO-1	Mutually exclusive events	Uniform	Properties of estimators	Chi-square test of Goodness of Fit	Testing for significance
	SLO-2					
S-13	SLO-1	Mutually exclusive events	Exponential	Confidence Interval for Mean and Proportion and variance	Contingency table	Testing for significance
	SLO-2				ANOVA – Meaning Assumptions	
S14-15	SLO-1	Mutually exclusive events	Lognormal	Methods of estimation: Methods of least squares, Method of maximum likelihood (brief)	One-way classification and Two-way classifications	Testing for significance
	SLO-2					

Learning Resources/ Reference books	<ol style="list-style-type: none"> 1. Spiegel, M. R. and Stephens, L. J. (2007). Schaum's Outline of Statistics, McGraw Hill Professional. 2. Gupta S.C. & Kapoor.V.K., (2020) Fundamentals of Mathematical Statistics, 12th Ed. 3. Levin, Richard I. & David S. Rubin, Statistics for Management
--	---

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	<ol style="list-style-type: none"> 1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai. 	<ol style="list-style-type: none"> 1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UCD23S02T	Course Name	VERBAL ABILITY AND SKILL DEVELOPMENT	Course Category	S	Skill Enhancement Course	L	T	P	O	C
							2	0	0	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Career Guidance Cell	Data Book / Codes/Standards	-		

Course Learning Rationale (CLR):		The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)																	
CLR-1:	Critically evaluate basic mathematical concepts related to mixtures and allegations, Numbers, time and work		Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Use their logical thinking and analytical abilities to solve reasoning problems					Disciplinary knowledge	Communication skills	Critical thinking	Problem solving	Analytical reasoning	Research related skills	Reflective thinking	Self-directed learning	Leadership Readiness/Qualities	Life-long learning	Professional skills	Experiential learning	Experiential learning	Employability options	Decision making skills	ICT Skills		
CLR-3:	Develop soft skills relating to the need for job recruitment																						
CLR-4:	Provide students with the necessary skills to generate and interpret data sufficiency, problems on Chain Rule, Pipes and Cisterns, Boats and streams,																						
CLR-5:	Enable students to understand problems on graphs and also increase their ability in language skills																						
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																					
CLO-1:	Understand the concepts of mixtures and allegations, Numbers, time and work and to approach questions in a simpler and innovative method		3	80	70	M	-	M	H	H	-	M	M	-	M	-	M	M	-	M			
CLO-2:	Establish a student's interest and awareness in seating arrangements, mathematical operations, logical reasoning		3	80	75	M	-	M	H	H	-	M	M	-	M	-	M	M	-	M			
CLO-3:	Acquire soft skills that will help for applying jobs		3	85	70	-	H	-	M	-	-	M	M	M	H	H	M	H	M	M			
CLO-4:	Demonstrate various principles involved in aptitude problems		3	85	80	M	-	M	H	H	-	-	M	-	M	-	M	M	-	M			
CLO-5:	Ability to solve problems on reasoning and to interpret English language		3	85	75	M	-	M	-	H	L	M	M	-	M	-	M	M	-	M			

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		6	6	6	6	6
S-1	SLO-1	Time and Distance – Introduction	Seating Arrangements (Circular and table) Introduction	Resume Building - Introduction	Chain Rule, Pipes and Cistern – Introduction	Functions and Graphs Introduction
	SLO-2	Time and Distance – Problems	Seating Arrangements (Circular and table) – Problems	Resume Building	Chain Rule, Pipes and Cistern – Problems	Functions and Graphs – Problems
S-2	SLO-1	Time & Work- Introduction	Mathematical Operations – Basic Problems	Group Discussions - Introduction	Data Sufficiency – Introduction	Comprehension
	SLO-2	Time & Work – Problems	Mathematical Operations – Tricky Problems	Group Discussions – Mock GD	Data Sufficiency – Problems	Comprehension – Practise session

S-3	SLO-1	Alligation or Mixture – Introduction	Data Arrangements - Introduction	Group Discussions - Activity 1	Logarithms – Introduction	Idioms and Idiomatic Expressions – Introduction
	SLO-2	Allegation or Mixture - Problems	Data Arrangements – Problems		Logarithms – Problems	Idioms and Idiomatic Expressions – Practise Session
S-4	SLO-1	Numbers – Basic Problems	Logical Deductions – Introduction	Group Discussions - Activity 2	Boats and Streams – Basic Problems	Cause and Effect - Introduction
	SLO-2	Numbers – Tricky Problems	Logical Deductions – Problems		Boats and Streams – Tricky Problems	Cause and Effect – Practise Session
S-5	SLO-1	Problems on Trains – Introduction	Letter and Symbol Series – Basic Problems	Leadership Skills Introduction	True Discount – Introduction	Theme detection – Introduction
	SLO-2	Problems on Trains – Problems	Letter and Symbol Series – Tricky Problems	Leadership Skills	True Discount – Problems	Theme detection – Activity
S-6	SLO-1	Races and Games – Basic Problems	Input Output Tracing Introduction	How to Handle Criticism and Feedback	Geometry and Mensuration Introduction	Ordering of words _ Introduction
	SLO-2	Races and Games – Tricky Problems	Input Output Tracing – Problems		Geometry and Mensuration – Problems	Ordering of words – Practise Session

Learning Resources	Textbooks and references:					
	1. James Barrett & Tom Barrett - <i>Ultimate aptitude tests: over 1000 practice questions for abstract visual, numerical, verbal, physical, spatial and systems tests</i> , Kogan Page, London, 2018. Fourth edition					
	2. Kathy A. Zahler & Over Drive, Inc (Distributor) <i>Conquering GRE verbal reasoning and analytical writing</i> , McGraw-Hill Education, New York, 2020 Second Edition					
	3. Archana Ram, <i>Place Mentor: Tests of Aptitude for Placement Readiness</i> , Oxford University Press, Oxford, 2018					
	4. David Bartlett, <i>The art of general practice: soft skills to survive and thrive</i> , Scion, Banbury, 2018, eBook, 2018					
	5. Zsolt Nagy, <i>Soft skills to advance your developer career: actionable steps to help maximize your potential</i> , A press, Berkeley, CA, 2019, eBook, 2022					

Learning Assessment						
Level	Bloom's Level of Thinking	Continuous Learning Assessment (100% weightage)				
		CLA – 1 (20%)	CLA – 2 (20%)	CLA – 3 (30%)	CLA – 4 (30%)#	
		Theory	Theory	Theory	Theory	
Level 1	Remember	30%	20%	30%	30%	
	Understand					
Level 2	Apply	30%	50%	30%	30%	
	Analyze					
Level 3	Evaluate	40%	30%	40%	40%	
	Create					
	Total	100%	100%	100%	100%	

CLA-1, CLA-2 and CLA-3 can be from any combination of these: Online Aptitude Tests, Classroom Activities, Case Studies, Poster Presentations, Power-point Presentations, Mini Talks, Group Discussions, Mock interviews, etc.

CLA – 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
Mr. M. Ponmurugan, Executive PMOSS, Cognizant Technology Solutions India Pvt. Limited, Chennai	Dr. G. Saravana Prabu, Asst. Professor, Department of English, Amrita Vishwa Vidhyapeedam, Coimbatore	Dr. Sathish K, HOD, Department of Career Guidance Cell, FSH, SRMIST
		Dr. Muthu Deepa M, Assistant Professor, Department of Career Guidance Cell, FSH, SRMIST

Course Code		UEN23V01L	Course Name	COMMUNICATION SKILLS	Course Category	V	Value Addition Course	L	T	P	O	C
								0	0	4	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Department of English		Data Book / Codes/Standards	Nil	

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1:	Develop fluency in spoken English by practicing and engaging in various speaking activities.	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Improve pronunciation and intonation to enhance clarity and effectiveness in oral communication.	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO-3
CLR-3:	Expand vocabulary and idiomatic expressions to communicate more accurately and expressively.																		
CLR-4:	Enhance listening skills to understand and respond appropriately to spoken English in different situations.																		
CLR-5:	Employ effective communication strategies, such as active listening, summarizing, paraphrasing, and asking clarifying questions, to enhance interpersonal and intercultural communication.																		
Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:																		
CLO-1:	Demonstrate improved fluency in spoken English by expressing ideas and thoughts confidently and coherently.	2	75	60	H	M	M	L	-	M	-	M	H	L	H	L	-	-	-
CLO-2:	Pronounce English words and phrases accurately, using appropriate intonation and stress patterns.	2	80	70	M	H	L	-	-	-	-	M	M	H	H	M	-	-	-
CLO-3:	Expand and effectively use a range of vocabulary and idiomatic expressions to enhance communication.	2	70	65	M	M	M	-	L	L	-	H	M	H	H	L	-	-	-
CLO-4:	Understand and comprehend spoken English in various contexts, including informal conversations, lectures, and presentations.	2	70	70	H	M	L	-	M	H	-	-	-	-	H	L	-	-	-
CLO-5:	Deliver well-structured and engaging oral presentations, incorporating effective body language and visual aids.	2	80	70	H	H	-	M	-	M	-	L	L	M	H	M	-	-	-

Duration (hour)	Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
	12	12	12	12	12
S-1	SLO-1	Introduction to Listening Skills. Discussion of techniques of Reading Skill	Introduction to Speaking Skills. Explaining the importance of phonetics and vocabulary	Introduction to Writing Skills Importance of writing skills	Introduction to appreciation of texts.

	SLO- 2	Exploring Effective Ways of Listening. Barriers of Listening. Active and Passive Listening.	Identifying common reading problems in students after making them read a few passages.	Explaining the usage of the Oxford Learner's Dictionary to learn phonetics of the words at the fundamental level.	Explaining various forms of writing with examples:	Encouraging the students to share a few of their favourite lines from any sources they have read or sharing a few lines from padithadhil pidithadhu.
S-2	SLO-1	Introduction to Digital languages lab/ usage of mobile applications	Learners are enabled to record their speech and listen to it in order to correct their problematic areas	The right enunciation of certain words to be taught through phonetic representation and decoding the phonetic symbols by learning to use the dictionary.	Introduction to letter writing. Types of letters- Formal and Informal letters with examples. Learning E-mail etiquette.	Explaining why appreciating texts creates a good reader.
	SLO- 2	Equipping the listening skill of the learners	repetitive practices of reading select paragraphs from web resources, their standard will be measured.	Observe and repeat and learn the phonetic pronunciation of words by practicing continuously.	Class Assignment - write a formal letter and informal letter and check for e-mail etiquettes in writing.	Enabling the students to reflect in the classroom about any of their favourite books/ articles or magazines.
S-3 – S-4	SLO-1	Introducing google podcasts.	The speed, fluency, pronunciation, comprehension of the words in the paragraph	Teaching the usage of Thesaurus to understand and develop various words and improve vocabulary.	Enabling the students to unleash their potentials in creative writing through writing transcripts for advertisements of any product.	Introducing the text of Letters by Mathrubootham published in the Hindu.
	SLO- 2	Task to write down the words from the audio they have listened to. This activity should be done in two steps. 1. Jotting down the words simultaneously as they listen to the speaker. 2. Writing the transcript of the audio through repetitive play and pause.	hints and tricks to follow where the pauses are to be followed. 1.	Identifying common errors in concord, preposition, direct speech and indirect speech.	write a review of any book or a movie or an interview or a debate.	Reading and recitation of the text of the first letter-Enjoy within limits, says Mr. Mathrubootham Understanding characters by analyzing the usage of their style of language
S-5	SLO-1	Imitating the speakers by listening to them and attempting to learn the pronunciation of the words uttered in the audio.	Students group 1- reads – group 2 identifies the flaws in reading.	Identifying common errors in tenses, punctuation, and syntactical errors.	Mechanics of writing like capitalization, punctuation, spelling, correct pronoun, preposition, concord usage can be taught.	Reading of the second letter- Nobel? What Nobel, asks Mr. Mathrubootham.
	SLO- 2	Repetitive listening to enhance pronunciation skills	The roles have to be exchanged between the two groups and the activity should be practiced.	Rectifying the common errors and instructing the learners about the right usage in order to avoid common errors.	meachnaics of writing - assessed and evaluated.	Mathrubootham's humour and the language of code switching from Tamil to English and vice –versa.
S-6	SLO-1	Introducing to the audios of TED TALK American Speakers. Listening to the native speakers of English Language through TED TALKS. 1.	Identify the key arguments in a passage -introductory point, lead point, supportive argument statement, concluding point and the common connecting word between all the key words in the passage.	Practicing how to avoid common errors.	Teaching effective writing by learning to avoid common errors in concord, preposition, conjunction, relative pronouns, question tags.	Reading of the third letter -Mr. Mathrubootham is fully supporting all new technologies
	SLO- 2	Introducing to the audios of TED TALK British Speakers. Listening to the native speakers of English Language through TED TALKS.	encouraged to identify the key arguments in other passages on their own.	The learners are introduced to collocations for quick choice of learning how to speak in short time and how to speak effectively.	Practicing effective writing by learning to avoid common errors in concord, preposition, conjunction, relative pronouns, question tags.	Mathrubootham's frustration over the failure of technologies and the language that he positively uses to denote hopelessness over technologies.

S-7 – S-8	SLO-1	American and British styles can be differentiated.	Guiding the act of reading through scanning and skimming by model reading of the passages by the instructor.	Practice collocations	common errors in tenses, direct and indirect speech and syntax structure.	Reading of the fourth letter in the classroom and discussion Pizza maavu: Welcome to Mr. Mathrubootham food recipe website,
	SLO-2	The recognition of different accents should be practiced by speaking after listening.	scanning and skimming activities	Idioms and phrases	Practicing effective writing by learning to avoid common errors in tenses, direct and indirect speech and syntax structure.	Mathrubootham's love for food and the miscommunication about food.
S-9	SLO-1	Learning advanced pronunciation and vocabulary through various computer applications like Woodpecker.	Loud reading and slow mind reading	A speaking task to learn- collocations, idioms and phrases, vocabulary and phonetic pronunciation	Teaching how to write statement of purpose for admission to higher educations, and practicing the same.	Analysing the text for regional relevance and National significance.
	SLO-2	imitate the different sounds and accents - repeat it after listening to any of the videos from the library based on individual interest.	Pauses, pronunciation, comprehension and fluency can be checked for improvement at this stage through repetitive practices.	Their speaking activity is to be recorded and played again to rectify the errors and highlight the problematic areas in speaking.	Teaching how to write a story by looking at a picture. Developing the writing skill through word ladders.	Appreciating the aesthetics of the comic element and the embodiment of humour in the narrative in the letter
S-10	SLO-1	Repeat listening to the same time frames and move from 02.01 to 03.00	Students -groups -checking the comprehension skills. Analyse the text of a passage.	Automating vocabulary through engaging the students in various activity games like solving crossword puzzle and playing scattergories.	Introduction to blog writing and steps to become an effective blog writer.	importance of bringing in the Indianized way of speaking the English Language in order to depict the character called Mathrubootham.
	SLO-2	Choosing any particular time frame and practicing it.	Brainstorming the comprehension skills-questioning the key points in the passage.	Engaging the students to play the games in order to learn the vocabulary.	Encourage the readers to create their own blogs and post articles on a regular basis.	relatable characters of both formal and informal everyday life experiences.
S 11 - S 12	SLO-1	Interested students can complete listening and reflecting the complete audio listening practice and speaking.	Cross check with misunderstanding if any and rectify- match the question and answers.	Spur of the moment speech.: 1.	Selecting any news article and learning the writing style in it.	Talk about their favourite letter from the letters of Mathrubootham by recollecting the appreciation of the text according to their perception and understanding.
	SLO-2	Group activities and games can be conducted to test the listening skills by responding to the speech given by other students	Passages for reading comprehension are to be given for practice that tests their reading skills.	Prepared speech: Giving a speaking task to the students to speak on their own choice	Students are given chances to write reports on various topics.	Enabling the students to share their appreciation of any of their favourite lines from the books they have read.

Learning Resources	Textbooks: 1. Horizon- English Text Book – Compiled and Edited by the faculty of English Departement, FSH, SRMIST, 2020 2. English Grammar in Use by Raymond Murphy 3. Raymond Murphy, Intermediate English Grammar, Cambridge University Press, 2007 References: 1. R.P. Bhatnagar, English for Competitive Examinations, Trinity Press, 3 rd Edition, 2016 2. http://www.aptitudetests.org/verbal-reasoning-test 3. https://www.assessmentday.co.uk/aptitudetests_verbal.htm
	Learning Assessment

Level	Bloom's Level of Thinking	Continuous Learning Assessment (100% weightage)			
		CLA – 1 (20%)	CLA – 2 (20%)	CLA – 3 (30%)	CLA – 4 (30%) #
		Practice	Practice	Practice	Practice
Level 1	Remember	10%	10%	30%	15%
	Understand				
Level 2	Apply	50%	50%	40%	50%
	Analyze				
Level 3	Evaluate	40%	40%	30%	35%
	Create				
	Total	100 %	100 %	100 %	100 %

CLA – 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
Krishna Raj Sutherland Krishna.Raj1@sutherlandglobal.com	Dr. J Mangayarkarasi Associate Professor and Head, Dept. of English Ethiraj College for Women Chennai, mbwilson97@gmail.com	1. Dr. Shanthichitra, Professor, & Head, Department of English, FSH, SRMIST
	Dr. K S Antonyamy Associate Professor and Head, Dept. of English Loyola College Chennai, antonyamyks@loyolacollege.edu	2. Dr. Pushpanjali Sampathkumar, Assistant Professor, Department of English, FSH, SRMIST

Course Code	UNS23M01L/ UNC23M01L/ UNO23M01L/ UYG23M01L	Course Name	NSS/NCC/NSO/YOGA	Course Category	M	Mandatory Courses	L	T	P	C
							0	0	0	0

Pre-requisite Courses	<i>Nil</i>	Co-requisite Courses	<i>Nil</i>	Progressive Courses	<i>Nil</i>
Course Offering Department	NSS/NCC/NSO/YOGA	Data Book / Codes/Standards	<i>Nil</i>		

Assessment is Fully Internal

Learning Assessment	
Assessment Tools	Marks
Continuous Learning Assessment –I (CLA-I)	20 Marks
Continuous Learning Assessment –II (CLA-II)	30 Marks
Continuous Learning Assessment –III (CLA-III)	30 Marks
Continuous Learning Assessment –IV (CLA-IV)	20 Marks
Total Marks	100 Marks

SEMESTER III

Course Code	UEY23301J	Course Name	MACRO ECONOMICS - I	Course Category	C	Discipline Specific Core Course	L 3	T 0	P 3	O 2	C 4
-------------	-----------	-------------	---------------------	-----------------	---	---------------------------------	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		<i>The purpose of learning this course is to:</i>		Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Understand the basic concepts of macroeconomics			1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Learn national income accounting			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Study Classical and Keynesian views on output and employment																				
CLR-4 :	Learn different theories of consumption and investment																				
CLR-5 :	Study the mechanism of IS-LM model & Understand the relative effectiveness of fiscal and monetary policies																				
Course Learning Outcomes (CLO):		<i>At the end of this course, learners will be able to:</i>																			
CLO-1 :	Differentiate macroeconomic analysis from microeconomic analysis			2	85	80	H	H	M	M	H	H	M	M	H	M	L	M	L	L	H
CLO-2 :	Estimate the national income using different methods			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	L	L	H
CLO-3 :	Determine the level of output and employment in the economy			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	L	L	H
CLO-4 :	Identify the trends in consumption and investment			2	85	80	H	H	H	H	H	H	H	H	H	H	L	H	L	L	H
CLO-5 :	Build IS-LM models to examine money and goods market equilibria & Understand the effectiveness of fiscal and monetary policies			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	L	L	H
				2	85	80	H	H	M	M	H	H	M	M	H	M	L	M	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1	Nature and scope of Macroeconomics	Circular flow of income and output	Classical macroeconomics Say's Law of markets	Theories of consumption function	Neo-classical and Keynesian views on interest
	SLO-2			Wage-price flexibility	Short run and Long run Consumption Function	
S-2	SLO-1	Microeconomics and macroeconomics	National income and Social Accounting	Classical model of output and employment	The absolute income hypothesis	Money and goods market equilibria: deriving IS, LM equations
	SLO-2			Classical theory of price level determination	Kuznets's Consumption Puzzle	
S-3	SLO-1	Macroeconomic models	National income and Social Accounting	Quantity theory of Money	Fisher's Inter-temporal Choice Model	Fiscal Policy: shifters of IS curve, Government spending effect
	SLO-2			Fisher's Equation of Exchange	The relative income hypotheses	
S4-6	SLO-1	Functional relationship and parameters	National income concepts and their inter-relationships	Cash Balance Approach	The permanent income and lifecycle hypothesis	Monetary Policy: shifters of LM curve, money supply effect
	SLO 2			Neutrality of Money	random walk hypotheses	
S-7	SLO 1	Time series and cross section data analyses	GNP	Money illusion – Pigou effect – Real Balance effect	The Ratchet effect	IS-LM model with government sector
	SLO-2			Classical dichotomy	MEC – MEI and role of expectations	crowding out hypothesis
S-8	SLO-1	Types of variables: Stock and flow, continuous and period analyses	Potential versus actual GNP	Concept of full employment – Voluntary unemployment	User cost and Neo-classical theory of investment	Ricardian equivalence

Duration (hour)	Learning Unit / Module 1		Learning Unit / Module 2		Learning Unit / Module 3		Learning Unit / Module 4		Learning Unit / Module 5	
	18		18		18		18		18	
	SLO-2	variables, endogenous and exogenous, ex ante and ex post	Green GNP		The background of Keynesian revolution – Principle of effective demand		Capital Theory and Theory of the Firm		Relative effectiveness of monetary and fiscal policies	
S-9	SLO-1	Types of variables: Stock and flow, continuous and period analyses	GNP deflator		Aggregate demand and its components		Finance and the Cost of Capital		Extension of IS-LM models with labour market and flexible prices	
	SLO-2	variables, endogenous and exogenous, ex ante and ex post			The consumption function – Fundamental Psychological Law – APC and MPC					
S10-12	SLO-1	Types of variables: Stock and flow, continuous and period analyses	NNP, GDP, NDP, NI, PI and DPI		Saving function – APS and MPS		Tobin's q-ratio		the Aggregate supply in the short and long run	
	SLO-2	variables, endogenous and exogenous, ex ante and ex post			The investment function – Determinants of investment		Accelerator theory of investment (simple and flexible acceleration models)		Aggregate demand and price determination	
S-13	SLO-1	Types of variables: Stock and flow, continuous and period analyses	National income identity – two sector, three sector and four sector economy		Saving and Investment equality		Accelerator theory of investment (simple and flexible acceleration models)		Keynes & Pigou effects	
	SLO-2	variables, endogenous and exogenous, ex ante and ex post			The multiplier				The Mundell-Fleming Model	
S-14	SLO-1	Static, comparative static and dynamic – Equilibrium and disequilibrium	Methods of estimating national income		Income determination in two, three and four sectors (Keynesian cross diagram and algebra)		Inflation and Investment		The Fiscal and Monetary Policy Operation under Fixed and Floating Exchange Rate Regime	
	SLO-2				Role of interest rate in changing aggregate demand					
S-15	SLO-1	Static, comparative static and dynamic – Equilibrium and disequilibrium	Methods of estimating national income		Liquidity preference – Liquidity trap		Policies affecting Investment		Trade Policy in IS-LM Models	
	SLO-2		Methods of estimating national income		Role of government – Fiscal multipliers – tax multiplier, government expenditure multiplier, and balanced budget multiplier					
S16-18	SLO-1	Static, comparative static and dynamic – Equilibrium and disequilibrium	Methods of estimating national income		Inflationary and deflationary gaps		Policies affecting Investment		Trade Policy in IS-LM Models	
	SLO-2		Difficulties in the estimation of national income		The concept of under employment equilibrium Wage-price rigidity Keynes' theory of employment					

Learning Resources/ Reference books	1. Edward Shapiro, Macroeconomics, Oxford University press. 2. Gregory Mankiw, Macroeconomics, 6th ed., Tata McGraw Hill. 3. Richard T. Froyen, Macroeconomics, Pearson education. 4. Eugene Diulio, Macro economic Theory, Schaum's Outline series, Tata McGraw Hill. 5. Errol D'Souza, Macro Economics, Pearson Education 2008.					6. Abhijit Kundu, Methodology and Perspectives of Social Science, Pearson Education 2009. 7. Dornbusch, Fischer and Startz, Macro Economics, Tata McGraw Hill. 8. Lipsey R. and A Chrystal, Economics, 11th ed., Oxford University Press New Delhi. 9. Jones, C., Introduction to Economic Growth, 2nd ed., W. W. Norton 2013.				

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										

Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	<ol style="list-style-type: none"> 1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai. 	<ol style="list-style-type: none"> 1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23302J	Course Name	BASIC ECONOMETRICS	Course Category	C	Discipline Specific Core Course	L 3	T 0	P 3	O 2	C 4
-------------	-----------	-------------	--------------------	-----------------	---	---------------------------------	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Create an understanding of basic econometric methodology			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Familiarize with the data sources						Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Train students to apply economic theories to real time data						H	H	H	M	H	H	H	H	H	M	M	H	M	L	H
CLR-4 :	Study econometric methods used in empirical economic analysis						H	H	H	M	H	H	H	H	H	M	M	H	M	L	H
CLR-5 :	Familiarize quantitative methods used in applied research & Prepare students for advanced econometric methods						H	H	H	M	H	H	H	H	H	M	M	H	H	L	H
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																			
CLO-1 :	Have an understanding of econometric methodology			2	85	80															
CLO-2 :	Estimate and evaluate regression models			3	85	80															
CLO-3 :	Analyse models with multiple variables			3	85	80															
CLO-4 :	Deal with violations of OLS assumptions			2	85	80															
CLO-5 :	Estimate regression with qualitative variables & Built economic models using real time data			3	85	80															
				3	85	80															

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1	Introduction to Econometrics	Estimation	Matrix approach to linear regression models	Method of maximum likelihood and its properties (including consistency)	Functional Forms
	SLO-2	Definition and Scope	Classical Linear regression model			Double Log Model
S-2	SLO-1	Divisions	assumptions	Matrix approach to linear regression models	trinity of classical tests (Wald test, Lagrange multiplier, likelihood ratio)	Measurement of Elasticity
	SLO-2	Objectives and Use of Econometrics	Method of Ordinary Least Square (OLS)			Semi log model
S-3	SLO-1	Econometrics and Mathematical Economics	Derivation of OLS Estimators	Multivariate Regression Model	Violation of Assumptions: Multicollinearity	Measurement of Growth
	SLO-2	Econometrics and Statistics	Derivation of variance and Standard error of OLS estimators (simple linear regression)			Reciprocal models
S4-6	SLO-1	Methodology of Econometrics	Properties of OLS estimators, Gauss–Markov Theorem (BLUE properties) – proof	Assumptions	Nature of multicollinearity	Choice of functional form
	SLO 2					Dummy Variables
S-7	SLO 1	Deterministic and stochastic specifications	Hypothesis Testing (t and F test)	Assumptions	Consequences and detection of Multicollinearity	Regression on Qualitative and quantitative variables
	SLO-2		partial effects and elasticity		Remedial measures	ANOVA and ANCOVA models
S-8	SLO-1	Correlation & Regression	test of goodness of fit R^2 and	Estimation	Heteroscedasticity	Dummy variable trap
	SLO-2	Types of data	adjusted R^2		Nature of Heteroscedasticity	Uses of dummy variable analysis

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-9	SLO-1	Sources of data	Model evaluation	Estimation	Consequences of heteroscedasticity	Interaction effects
	SLO-2	Measurement scales of variables			Detection of Heteroscedasticity	
S10-12	SLO-1	Basic ideas of Linear Regression Model	Regression through origin	Estimation	Remedial Measures	structural stability of regression models
	SLO-2	Two variable model			Auto-Correlation	
S-13	SLO-1	Population regression function (PRF)	Scaling and units of measurement	Properties of OLS	nature of the problem	structural stability of regression models-Chow test
	SLO-2	Sample regression Function (SRF)			Consequences	
S-14	SLO-1	Error term U	Scaling and units of measurement	Properties of OLS	detection and remedial Measures	structural stability of regression models-Chow test
	SLO-2	Significance of error term			Model selection criteria	
S-15	SLO-1	stochastic form of PRF and SRF	Scaling and units of measurement	Hypothesis Testing	Specification errors: Types, consequences and tests	seasonal variations
	SLO-2	stochastic form of PRF and SRF			Specification errors: Types, consequences and tests	
S16-18	SLO-1	stochastic form of PRF and SRF	Scaling and units of measurement	R^2 - Adjusted R^2	Specification errors: Types, consequences and tests	piece wise linear regression
	SLO-2	stochastic form of PRF and SRF				

Learning Resources/ Reference books	1. Wooldridge, J., <i>Introductory Econometrics: A Modern Approach</i> , South-Western, 2009.	4. Johnston, J., <i>Econometric Methods</i> , third edition, McGrawHill, 1984.
	2. Ramanathan, R., <i>Introductory Econometrics with applications</i> , fifth edition, Thomson Asia Private Limited, 2002.	
	3. Gujarati, N.D., <i>Basic Econometrics</i> , fourth edition, McGrawHill, 2003.	5. Brooks, C., <i>Introductory Econometrics for Finance</i> , first edition, Cambridge University Press, 2003.
		6. Stock, J. H. and Watson, M. W., "Introduction to Econometrics", Pearson, 3rd Ed, 2015.

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23303J	Course Name	ECONOMICS OF GROWTH AND DEVELOPMENT	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Learn the growth theories		1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Understand about inequality and poverty		Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Learn the theories of development																			
CLR-4 :	Study the development theories related to sectors																			
CLR-5 :	Learn Cost-Benefit analysis & Learn different types of planning																			
Course Learning Outcomes (CLO):			At the end of this course, learners will be able to:																	
CLO-1 :	Plan the pattern of growth of a nation		2	85	75	H	H	L	L	M	H	M	L	M	M	L	M	L	L	H
CLO-2 :	Formulate poverty eradication policies		2	85	75	H	H	L	L	M	H	M	L	M	M	L	M	L	L	H
CLO-3 :	Identify the reasons for under development		2	85	75	H	H	L	L	M	H	M	L	M	M	L	M	L	L	H
CLO-4 :	Understand about rural-urban migration		2	85	75	H	H	L	L	M	H	M	L	M	M	L	M	L	L	H
CLO-5 :	Make profitable Investments based on investment criteria & Evaluate the projects using Cost-Benefit analysis		3	85	75	H	H	L	L	M	H	M	L	M	M	L	M	L	L	H
			3	85	75	H	H	L	L	M	H	M	L	M	M	L	M	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
15		15	15	15	15	15
S-1	SLO-1	Harrod – Domar Model	Defining Development	Vicious Circle of poverty	Rural Urban Migration: The Harris-Todaro Model	Need for Investment Criteria in developing countries present versus future
	SLO-2		Development and Growth			
S-2	SLO-1	Harrods Instability problems	Explaining Under Development	Circular Causation	Role of Agriculture in Economic Development	alternative investment criteria
	SLO-2	Solution to Harrods Instability problem	Measures of Inequality, Poverty		Efficiency and Productivity in Agriculture	
S-3	SLO-1	The Neo-classical Solow Model without Technical change	Measuring Development and Development Gap	Big Push	Stagnation in Backward Agriculture	Cost Benefit Analysis
	SLO-2		Human Development Index and other indices of Development and quality of life		New Technology and Sustainable Agriculture	
S4-5	SLO-1	The Neo-classical Solow Model with exogenous Technical change	Country characteristics and Cross Country Comparisons	Balanced Growth; Unbalanced Growth	Globalization and Agriculture	Shadow Prices
	SLO 2	Meades Model			Markets and Interlinkages in Agriculture	
S-6	SLO 1	Joan Robinson Model	Importance of Population in Economic Growth	Critical Minimum Effort Thesis	Land, Labour, Credit and Insurance	Shadow Prices
	SLO-2	Kaldor - Passinetti Model			Rationale and pattern of industrialization in developing countries	

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-7	SLO-1	<i>The Basic Cambridge Approach to Harrods Instability Problem</i>	<i>Population as a limit to growth and as its ultimate source</i>	<i>Low Level Equilibrium trap</i>	<i>The choice of Techniques and appropriate technology and employment</i>	<i>Project Evaluation and UNIDO guidelines</i>
	SLO-2				<i>Efficiency of small scale versus large scale production</i>	
S-8	SLO-1	<i>Two Sector Model of Uzawa</i>	<i>Consequences of Economic Development on population growth-Malthus Idea</i>	<i>The Dual Economy Framework</i>	<i>Terms of trade between agriculture and industry</i>	<i>Need for planning</i>
	SLO-2	<i>Technological Progress – embodied and dis - embodied Technical Progress; Hicks, Harrod</i>			<i>Infrastructure and its importance</i>	
S9-10	SLO-1	<i>Learning by doing</i>	<i>Theory of demographic Transition and its Limitations</i>	<i>Lewis Model of Unlimited supply of labour</i>	<i>labour markets and their functioning in developing countries</i>	<i>Argument for and against planning</i>
	SLO-2				<i>International Trade as an engine of growth</i>	
S-11	SLO-1	<i>production function approach to Economic growth</i>	<i>Relationship between population and poverty</i>	<i>Fei – Ranis Model</i>	<i>Long run terms of trade</i>	<i>Types of planning: Democratic, decentralized and indicative planning, Microlevel planning</i>
	SLO-2				<i>Prebisch-Singer Hypothesis</i>	
S-12	SLO-1	<i>Total factor productivity</i>	<i>Population, poverty and environment.</i>	<i>Jorgenson's Model</i>	<i>Inward looking and outward oriented strategies for development</i>	<i>Types of planning: Democratic, decentralized and indicative planning, Microlevel planning</i>
	SLO-2				<i>Import substitution and Export led growth</i>	
S-13	SLO-1	<i>Total factor productivity</i>	<i>Population, poverty and environment.</i>	<i>Dixit and Marglin Model</i>	<i>Dual gap analysis</i>	<i>Review of India Plan Models and planning</i>
	SLO-2				<i>Aid and Welfare</i>	
S14-15	SLO-1	<i>The Capital Controversy</i>	<i>Population, poverty and environment.</i>	<i>Dependency theory of development</i>	<i>A paradoxical Theorem (Mundell)</i>	<i>review of India Plan Models and planning</i>
	SLO-2			<i>Structural View of Development</i>	<i>External Debt, WTO and Developing Countries</i>	

Learning Resources/ Reference books	1. A Sen (Ed)- 1970 - Growth Economics: Selected readings; Penguin	5. Kaushik Basu, 1998; Analytical Development Economics: The Less Developed Economy Revisited. Oxford Indian Paperbacks 6. D Nayyar (Ed); 1994 - Industrial Growth and Stagnation: The Debate in India: Oxford University Press 7. J. Bhawati and P Desai, India – Planning for industrialisation; Oxford University Press 8. S Chakrawati, Development Planning. The Indian Experience: Clarendon Press, 1987
	2. Hywel G Jones – 1976 - An Introduction to Modern theories of Economic Growth: McGraw Hill 3. Debraj Ray, 1998; Development Economics, Oxford Indian Paperbacks, 4. A N Agarwal and S P Singh (Eds); 1958 - The Economics of Underdevelopment, Volumes I, II, and III; Oxford University Press	

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#		Theory	Practice
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice		
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-

	Create									
	Total	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
<ol style="list-style-type: none"> 1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai. 	<ol style="list-style-type: none"> 1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai. 	<ol style="list-style-type: none"> 1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	ULT23AE1J	Course Name	APPLIED TAMIL – I	Course Category	AE	Ability Enhancement Courses (AE)	L	T	P	O	C
							1	0	2	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Tamil	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	தமிழின் எழுத்துச் சொல் வளர்ச்சி வரலாற்றை அறியச் செய்தல்	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	மொழியைப் பிழையின்றி எழுதும் ஆற்றலை அடையச் செய்தல்																		
CLR-3 :	வாய்மொழி வழக்காறுகளின் நுட்பங்களைத் தெரியச் செய்தல்																		
CLR-4 :	கடிதம் எழுதும் முறை கட்டுரை வரையும் முறை அறியச் செய்தல்																		
CLR-5 :	படைப்பாற்றல் திறனை வளரச் செய்தல்																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Communication Skills	Critical Thinking	Problem Solving	Analytical Reasoning	Research Related Skills	Reflective Thinking	Self-Directed Learning	Leadership Readiness/Qualities	Life-long Learning	Professional Skills	Experiential Learning	Employability Options	Decision making Skills	PSO1- ICT Skills
CLO-1 :	சொற்களைச் சரியான பொருண்மையில் பயன்படுத்தும் திறன் பெறுதல்	2	75	60	H	-	H	-	-	-	L	M	M	H	M	H	L	-	-
CLO-2 :	மொழியைப் பிழையின்றி எழுதுவதன் வழி மொழி ஆளுமை பெறுதல்	2	80	70	H	-	H	-	-	-	L	H	M	H	M	H	L	-	-
CLO-3 :	வாய்மொழி மரபின் கூறுகள் வழி மக்களின் வாழ்வியல் விழுமியங்களை அறிந்துகொள்ளுதல்	2	70	65	H	M	H	-	-	-	L	M	H	M	M	M	L	-	M
CLO-4 :	அலுவலகப் பயன்பாடு திறன் மேம்பாடு ஆகியவற்றை நுட்பமாகத் தெரிந்துகொள்ளுதல்	2	70	70	H	-	H	-	-	-	L	H	H	H	M	H	L	-	-
CLO-5 :	கவிதை கதை படைக்கும் ஆற்றலை அறிந்துகொள்ளுதல்	2	80	70	H	M	H	-	-	-	L	H	H	H	M	H	L	-	M

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		9	9	9	9	9
S-1	SLO-1	தமிழின் தொன்மை	மெய்யெழுத்துகளின் வகைகள்	வாய்மொழி மரபு, எழுத்து மரபு	தொடர் அமைப்பு	காலந்தோறும் கவிதை
	SLO-2	தமிழின் சிறப்புகள்	மூவினம்	வாய்மொழி மரபில் அனுபவம்	எளிய தொடர்	கவிதை வடிவம்
S-2	SLO-1	கருத்து – பரிமாற்றம்	ஒற்று இடுதல்	வாழ்வியல் தத்துவம்	நெடுந்தொடர்	மரபுக்கவிதை
	SLO-2	பயன்பாட்டுத்தமிழ்	வல்லினம் மிகும் இடங்கள்	பழமொழிகள்	பத்தி எழுதுதல்	வசனகவிதை

S-3	SLO-1	காலந்தோறும் தமிழ்	வல்லினம் மிகா இடங்கள்	பழமொழியும் மனித வாழ்வியலும்	ஒரு பொருளை மையமாகக் கொண்டு எழுதுதல்	புதுக்கவிதை/ புதிய வடிவக் கவிதைகள்
	SLO-2	எழுத்துகள் - அறிமுகம்	எழுத்துப்பிழை நீக்கம்	பழமொழியின் வடிவம்	காலந்தோறும் கடிதங்கள்	கவிதைக் களங்கள்
S-4	SLO-1	தமிழ் எழுத்து வரலாறு	பிழை நீக்கி எழுதுதலின் அவசியம்	வட்டார மொழி	தமிழில் கடித இலக்கியம்	கவிதை உள்ளடக்கம்
	SLO-2	எழுத்துகளின் வரிவடிவம்	பிழைகளும் மொழிச் சிக்கல்களும்	வட்டார மொழியில் சொல்வடை	கடித வகைகள்	கவிதை எழுதும் முறை
S-5	SLO-1	எழுத்துகளின் பிறப்பு	எதிர்ச்சொல் வரலாறு	பழமொழியும் சொல்வடையும்	கடிதம் எழுதும்முறை	தன்னுணர்ச்சிக் கவிதை
	SLO-2	உயிர் எழுத்துப் பிறப்பு	எதிர்ச்சொல்லின் உருவாக்கம்	பேச்சுநடையும் சொல்வடையும்	அலுவல் கடிதம்	இயற்கை/ சமூகம் - கவிதை
S-6	SLO-1	மெய்யெழுத்துப் பிறப்பு	இணைச்சொல்லும் எதிர்ச்சொல்லும்	மரபுத்தொடர்	வாழ்த்து/ பாராட்டுக் / நட்டிக் கடிதம்	காலந்தோறும் கதைகள்
	SLO-2	மொழி முதல் எழுத்துகள்	தமிழில் எதிர்ச்சொற்கள்	பழமொழி மரபுத் தொடர் வேறுபாடு	கட்டுரை வகைகள்	கதைகளில் கற்பனையும் உண்மையும்
S-7	SLO-1	மொழி இறுதி எழுத்துகள்	ஒரெழுத்து ஒருமொழி - அறிமுகம்	தமிழில் மரபுத்தொடர்	கட்டுரை எழுதும் முறை	வாய்மொழிக் கதை
	SLO-2	எழுத்து வேறுபாடும் பொருளும்	ஒரெழுத்து ஒருமொழியும் பொருளும்	விடுகதை	கட்டுரைக் களங்கள்	ஒரு பக்கக் கதை
S-8	SLO-1	ணகர - னகர - நகர வேறுபாடு	சொற்களின் தன்மைகள்	நுண்ணறிவு வெளிப்படுதல்	போட்டிக் கட்டுரை	சிறுகதை
	SLO-2	லகர - ளகர - ழகர வேறுபாடு	ஒரு சொல் பல பொருள்	கதை மரபில் நாட்டுப்புறக் கதைகள்	அனுபவக் கட்டுரை	கதை எழுதும் முறை
S-9	SLO-1	சொல்லும் பொருளும்	ஒரு பொருள் பல சொல்	தமிழில் நாட்டுப்புறக் கதைகள்	பயணக் கட்டுரை	சமூக உணர்வின் வெளிப்பாடு
	SLO-2	காலந்தோறும் சொற்கள்	சொல் உருவாக்கத்தின் பயன்கள்	நாட்டுப்புறக் கதைகளும் சமூக வரலாறும்	இதழியல் கட்டுரைகள்	நிகழ்வைக் கதை வழியே வெளியிடல்

Learning Resources	Textbooks and references:					
	1. நல்ல தமிழ் எழுத வேண்டுமா?, அ. கி. பரந்தாமனார், பாரி நிலையம், 2010.					
	2. நாட்டுப்புற இயல் ஆய்வு, சு. சக்திவேல், மணிவாசகர் பதிப்பகம், சென்னை, 2006.					
	3. படைப்புக்கலை, மு. சுதந்திரமுத்து, அறிவுப் பதிப்பகம், சென்னை, 2008.					
	4. கவிதையியல், க. பூரணச்சந்திரன், உலகத் தமிழாராய்ச்சி நிறுவனம், சென்னை, 2008.					
	5. இணைய வழித் தரவுகள் : https://tamilheritage.org/					

Bloom's Level of Thinking		Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
Total		100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Expert from Higher Technical Institutions	Internal Experts
Dr. P.R.Subramanian, Director, Mozhi Trust, Thiruvannamiyur, Chennai – 600 041.	Dr. V. Dhanalakshmi, Associate Professor, Subramania Bharathi School of Tamil Language & Literature, Pondicherry University, Pondicherry	1.Dr. B.Jaiganesh, Associate Professor & Head, Dept. of Tamil, FSH, SRMIST, KTR
		2.Dr. R. Ravi, Assistant Professor and Head, Dept. of Tamil, FSH, SRMIST, VDP.
		3.Mr. G. Ganesh, Assistant Professor, Dept. of Tamil, FSH, SRMIST, RMP.
		4.Dr. T.R.Hebzibah beulah Suganthi, Assistant Professor, Dept. of Tamil, FSH, SRMIST, KTR.
		5.Dr. S.Saraswathy, Assistant Professor, Dept. of Tamil, FSH, SRMIST, KTR.

Course Code	ULH23AE1J	Course Name	APPLIED HINDI - I	Course Category	AE	Ability Enhancement Courses (AE)	L	T	P	O	C
							1	0	2	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Hindi	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Explain and appreciate the Constant moral values of India	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Focus on Evaluating the social changes through prose																		
CLR-3 :	Display moral and social values in the field of religion and communal Unity																		
CLR-4 :	Make translation of good literature and any relevant document from the Hindi Language to English and vice –versa																		
CLR-5 :	Help the learners to tackle administrative terminology																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Communication Skills	Critical Thinking	Problem Solving	Analytical Reasoning	Research Related Skills	Reflective Thinking	Self-Directed Learning	Leadership	Life-long Learning	Professional Skills	Experiential Learning	Employability Options	Decision making Skills	PSOI - ICT Skills
CLO-1 :	Understand the various forms of Prose and different aspects of social issues	2	75	80	H	H	H	M	L	H	L	M	L	L	H	M	-	-	-
CLO-2 :	Create an awareness on Ramayanan	2	80	90	H	H	H	M	L	H	H	M	L	L	H	M	-	-	-
CLO-3 :	Examine the accuracy in Translation	2	75	95	H	H	M	L	H	H	M	H	M	M	H	H	-	-	-
CLO-4 :	Apply technical writing skills	2	80	90	H	H	L	H	M	H	L	H	H	M	H	H	-	-	-
CLO-5 :	Evaluate the nuance in essays	2	85	90	M	H	M	H	L	H	H	L	H	M	H	H	-	-	-

Duration (hour)	Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
	9	9	9	9	9
S-1	SLO-1	KAHANI	NIBANDH	BAL RAMAYAN	ANUVAD
	SLO-2	AVDHARNA	AVDHARNA	KHATHA VASHTU	AVDHARNA
S-2	SLO-1	ARTH	ARTH	AVADHPURI MEN RAM	ARTH
	SLO-2	SWARUP	SWARUP	RAM KE ADARSH KE PRATI PRERIT KARNA	SWARUP
S-3	SLO-1	PARIBHASHA	PARIBHASHA	RAMAYAN KE PRATI RUCHI JAGANA	PARIBHASHA
	SLO-2	KAHANI KE TATVA	MAHABHARAT KE SAMAY KA BHARAT- BHALKRISHNA BHATT	RAMAYAN KA SAMAJ MEN MAHATVA	PRAKAR
					AVADHARNA

S-4	SLO-1	UDDESHYA	LEKHAK PARICHAYA	LOKJEEVAN KE PRATI JAGRUP KARNA	MAHATVA	PRAYOJAN
	SLO-2		PATH KA VISLESHAN	JANGAL AUR JANKPUR	UDDESHYA	UDDESHYA
S-5	SLO-1	ANTASH MAN KI JAGRITI	UDDESHYA	GURU KE PRATI ADAR BHAV	ANUBAD PRAKRIYA	MAHATVA
	SLO-2	EIDGAH – KAHANI PREMCHAND	SAMAJIK SAMRASTA	VIRTA KE BHAV KO JAGANA	VIVIDH PRAYOG	PRAYOG
S-6	SLO-1	KAHANI KA PARICHAYA	PAURANIK KAHANIYO SE AVAGAT KARANA	VIDHARM KA PRATIFAL	HINDI SE ANGREZI ANUVAD	UDDESHYA
	SLO-2	KAHANI VISLESHAN	MAHABHARAT EVAM RAMAYAN KE SAMAJ KI TULNA	VAN JEVAN SE AVAGAT KARANA	ANGREZI SE HINDI ANUVAD	TAKANIKI SHABDAVALI KA MHATVA
S-7	SLO-1	BAL MANOVIGYAN	BABUL AUR KAKTASH-RAMDARASH MISHRA	SITA KE ADARSH CHARITRA SE AVAGAT KARANA	ANUVAD KA PRAYOJAN	HINDI SE ANGREZI SHABD
	SLO-2	ASMANTA KA CHITRAN	LEKHAK PARICHAY	RAM KE CHARITRA SE AVAGAT KARANA	ANUVAD KA PRAYOG	ANGREZI SE HINDI SHABD
S-8	SLO-1	DIP SE DIP JALE- USHA YADAV	PATH KA VISLESHAN	VIRTA KE BHAV JAGANA	SHROT BHASHA KA GYAN	EK DIN EK SHABD
	SLO-2	SAPNE KE LIYE SANGHARSH	MANVATA KO JIVIT RAKHANE KI PRERNA	PATH KA VISLESHAN	LAKSHYA BHASHA KA GYAN	SHABDON KA VISLESHAN
S-9	SLO-1	SAMASYA KA SMADHAN JAD MEN HOTA HAI	AAJ KE SANDARBH ME MAHABHARAT KI UPYOGITA	PATH PRICHARCHA	ANUVAD KA DAYITVA	PATH PRICHARCHA
	SLO-2	PRASHNABHAYASH	PRASHNABHAYASH	PRASHNABHAYASH	ANUVAD KA ABHYASH	PRASHNABHAYASH PUNRIKSHAN

Learning Resources	Edited Book: “PRAYOJAN MULOK HINDI”, SRIJONLOK PUBLICATION, 2023, New Delhi.					
	1. Srijanlok Literary Magazine, Ara (Bihar – 802301) 2. https://hindisamay.com/ 3. https://ncert.nic.in/textbook.php?fhbr1=0-12 4. Prayojan mulak Hindi, Dr. Sontakke https://rajbhasha.gov.in/hi/ol_clause					

Bloom’s Level of Thinking		Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										

Total	100 %	100 %	100 %	100 %	100 %
-------	-------	-------	-------	-------	-------

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
Shri. Santosh Kumar Editor: Srijanlok Magazine Place: Vashishth Nagar, Ara – 802301	<i>Prof. (Dr.) S.Narayan Raju, Head, Department of Hindi, CUTN, Tamilnadu</i>	<i>1. Dr.S Preeti. Associate Professor & Head, SRMIST</i> <i>2. Dr. Md.S. Islam Assistant Professor, SRMIST</i> <i>3.Dr. S. Razia Begum, Assistant Professor, SRM IST</i> <i>4, Dr.Nisha Murlidharan Assistant Professor, VDP,SRM IST</i>

Course Code	ULF23AE1J	Course Name	FRENCH FOR SPECIFIC PURPOSE - I	Course Category	AE	Ability Enhancement Courses (AE)	L	T	P	O	C
							1	0	2	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	French	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Strengthen the language of the students both in oral and written	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Express their sentiments, emotions and opinions, reacting to information, situations	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Communication Skills	Critical Thinking	Problem Solving	Analytical Reasoning	Research Related Skills	Reflective Thinking	Self-Directed Learning	Leadership Readiness/Qualities	Life-long Learning	Professional Skills	Experiential Learning	Employability Options	Decision making Skills	PSO1 - ICT Skills
CLR-3 :	Make them learn the basic rules of French Grammar.																		
CLR-4 :	Develop strategies of comprehension of texts of different origin																		
CLR-5 :	Enable the students to overcome the fear of speaking a foreign language and take position as a foreigner speaking French																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Communication Skills	Critical Thinking	Problem Solving	Analytical Reasoning	Research Related Skills	Reflective Thinking	Self-Directed Learning	Leadership Readiness/Qualities	Life-long Learning	Professional Skills	Experiential Learning	Employability Options	Decision making Skills	PSO1 - ICT Skills
CLO-1 :	Gain knowledge about French language	2	75	80	H	M	H	H	M	H	H	L	M	M	H	L	-	-	-
CLO-2 :	Strengthen the knowledge on concept, culture, civilization and translation of French	2	80	90	M	H	L	H	H	M	H	M	L	L	H	M	-	-	-
CLO-3 :	Develop content using the features in French language	2	75	80	H	H	L	M	H	M	L	H	M	M	H	H	-	-	-
CLO-4 :	Interpret & Translate the French language into other language	2	75	90	H	L	M	H	M	H	H	M	L	H	M	L	-	-	-
CLO-5 :	Improve the communication, intercultural elements in French language	2	80	75	M	H	H	L	M	M	H	H	M	L	H	M	-	-	-

Duration (hour)	Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
	9	9	9	9	9
S-1	SLO-1	TP de chimie	Le jour des examens	L'impératif négatif	Comprendre une lettre de motivation
	SLO-2	Les exemples	Les activités	-Le passé composé avec être	Comprendre la structure d'un rapport de stage
S-2	SLO-1	- Un TP au laboratoire-	Le sms à la française -	Les exemples	Trouver des mots clés-
	SLO-2	Les exemples	Les activités	Le passé composé des verbes pronominaux	Les activités
S-3	SLO-1	Comprendre un TP	Les examens	-La recherche de stage -	Comprendre un texte technique-
	SLO-2	Les exemples	Les activités	, le passé composé et	Les activités
				Les exemples	Les exemples

S-4	SLO-1	-Suivre un protocole expérimental -	-Donner des conseils	Les activités	le futur dans un texte	Relever des arguments dans un texte-
	SLO-2	Les activités	Les exemples	Le stage en France	Les exemples	Les activités
S-5	SLO-1	Lire des équations chimiques -	-Écrire et comprendre un sms -	Les activités	- Le rapport de stage et le domaine des carburants -	Les exemples
	SLO-2	Les activités	Comprendre une interdiction	Le CV français	Les activités	Les activités
S-6	SLO-1	Identifier des formules chimiques à l'oral	Les activités	Les exemples	Le stage	Les activités
	SLO-2	Les exemples	-Donnez des consignes -	La lettre de motivation-	Les exemples	Les pronoms COI
S-7	SLO-1	- L'infinifit pour exprimer un ordre ou	Les exemples	Comprendre une offre de stage	La méthode du plan détaillé-	Les exemples
	SLO-2	Les activités	Comprendre	Les exemples	Les activités	Les exemples
S-8	SLO-1	Un conseil (dans les consignes) -	Les exemples	Les activités	Les exemples	Les activités
	SLO-2	Les exemples	et parler d'actions passées-	Comprendre et réaliser un CV	Le contenu du rapport de stage	Quelques verbes et leur préposition
S-9	SLO-1	La nominalisation	Les exemples	Les activités	Les exemples	Les activités
	SLO-2	Les exemples	L'impératif des verbes pronominaux	Les exemples	Les activités	Les exemples

Learning Resources	Theory:
	1. “Tech French” French for Science and Technology, Ingrid Le Gargasson, Shariva Naik, Claire chaize, Les éditions Didier, India, 2011.
	2. https://www.fluentu.com/blog/french/french-grammar
	3. https://www.elearningfrench.com/learn-french-grammar-online-free.html
	4. https://www.lawlessfrench.com/grammar https://blog.gymglish.com/2022/12/15/basic-french-grammar

Bloom's Level of Thinking		Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
Total		100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Expert from Higher Technical Institutions	Internal Experts
1. Mr. Kavaskar Danasegarane Process Expert, Maersk Global Service Center Pvt. Ltd	Dr. C.Thirumurugan Professor, Department of French, Pondicherry University	1. Mr. Kumaravel K. Assistant Professor & Head, SRMIST, KTR
2.Mr. Sharath Raam Prasad Character Designer, Animaker Company Pvt.		2. Mrs. Abigalai Assistant Professor, SRMIST, VDP

Course Code	UEY23G01J	Course Name	FOUNDATIONS OF DATA SCIENCE	Course Category	G	Generic Elective Course	L	T	P	O	C
							3	0	2	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Familiarise with the area of Data Science			1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Understands about data processing			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Familiarise with machine learning																				
CLR-4 :	Learn decision tree																				
CLR-5 :	Understand about clustering & Familiarize with Data Visualization																				
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																			
CLO-1 :	Deal with big data			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-2 :	Process big data			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-3 :	Use machine learning techniques			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-4 :	Work with feature selection algorithms			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-5 :	Apply different clustering approaches & Visualize data			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
				3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
15		15	15	15	15	15
S-1	SLO-1	Big Data and Data Science	Data pre-processing: Data cleaning	Basic Machine Learning Algorithms: Association Rule mining	Clustering: Choosing distance metrics	Data Visualization: Basic principles
	SLO-2	Datafication	data integration			
S-2	SLO-1	Current landscape of perspectives	Data Reduction	Linear Regression	Different clustering approaches	Data Visualization: Basic principles
	SLO-2	Skill sets needed	Data Transformation			
S-3	SLO-1	Matrices to represent relations between data	Data Discretization	Logistic Regression	Different clustering approaches	Data Visualization: Basic principles
	SLO-2	Linear algebraic operations on matrices				
S4-5	SLO-1	Approximately representing matrices by decompositions (SVD and PCA)	Evaluation of classification methods	Classifiers	Different clustering approaches	Data Visualization: Basic principles
	SLO 2		Confusion matrix			
S-6	SLO 1	Descriptive Statistics: distributions and probability	Students T-tests	k-Nearest Neighbours (k-NN), k-means	hierarchical agglomerative clustering	Data Visualization: Basic principles
	SLO-2					
S-7	SLO-1	Statistical Inference: Populations and samples	ROC curves	Decision tree	k-means (Lloyd's algorithm)	Data Visualization: Basic principles
	SLO-2					
S-8	SLO-1	Statistical modelling	Exploratory Data Analysis	Naive Bayes- Ensemble Methods	DBSCAN - Relative merits of each method	Data Visualization: ideas
	SLO-2					

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S9-10	SLO-1	probability distributions	Basic tools (plots, graphs and summary statistics) of EDA	Naive Bayes- Ensemble Methods	DBSCAN - Relative merits of each method	Data Visualization: ideas
	SLO-2					
S-11	SLO-1	fitting a model	Philosophy of EDA	Random Forest	clustering tendency and quality	Data Visualization: ideas
	SLO-2					
S-12	SLO-1	Hypothesis Testing	The Data Science Process	Feature Generation and Feature Selection	clustering tendency and quality	Data Visualization: tools
	SLO-2					
S-13	SLO-1	Hypothesis Testing	The Data Science Process	Feature Selection algorithms	clustering tendency and quality	Data Visualization: tools
	SLO-2					
S14-15	SLO-1	Hypothesis Testing	The Data Science Process	Filters; Wrappers; Decision Trees; Random Forests	clustering tendency and quality	Data Visualization: tools
	SLO-2					

Learning Resources/ Reference books	1. Cathy O'Neil and Rachel Schutt, "Doing Data Science, Straight Talk from The Frontline", O'Reilly, 2014.	4. Matt Harrison, "Learning the Pandas Library: Python Tools for Data Munging, Analysis, and Visualization", O'Reilly, 2016.
	2. Jiawei Han, Micheline Kamber and Jian Pei, "Data Mining: Concepts and Techniques", Third Edition. ISBN 0123814790, 2011.	
	3. Mohammed J. Zaki and Wagner Miera Jr, "Data Mining and Analysis: Fundamental Concepts and Algorithms", Cambridge University Press, 2014.	5. Joel Grus, "Data Science from Scratch: First Principles with Python", O'Reilly Media, 2015.
		6. Wes McKinney, "Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython", O'Reilly Media, 2012.

	Bloom’s Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	3. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 4. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	5. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 6. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 7. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 8. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23S01L	Course Name	COMPUTER FUNDAMENTALS FOR ECONOMICS	Course Category	S	Skill Enhancement Course	L	T	P	O	C
							0	0	2	2	1

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)																							
CLR-1 :	Understand the importance of data analysis in studying the real-world economic problems											1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
CLR-2 :	Know the basic concepts in statistical data analysis											Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Have a knowledge of the economic datasets																												
CLR-4 :	Have a knowledge of the statistical softwares																												
CLR-5 :	Learn to run mathematical and statistical functions in MS Excel																												
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:	2	85	80	H	H	H	M	M	H	H	H	H	H	H	H	M	H	H	H	H	-	H					
CLO-1 :	Use data in assessing an economic situation											2	80	75	H	M	H	H	M	H	H	H	H	H	H	-	H		
CLO-2 :	Develop skills in data collection											2	85	80	H	H	H	H	H	H	H	L	H	H	-	H			
CLO-3 :	Carry out data visualisation using statistical software											2	85	75	H	H	H	H	H	H	H	L	H	H	-	H			
CLO-4 :	Tabulate economic data using statistical software											2	80	70	H	H	H	H	H	H	H	L	H	H	-	H			
CLO-5 :	Have expertise in data analysis using MS Excel											2	85	75	H	H	H	H	H	H	H	L	H	H	-	H			

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		6	6	6	6	6
S-1	SLO-1	Importance of data analysis in Economics	Menu bar- Tool bars, Formula bar	Tabulation of data	Inserting functions	Splicing of a series
	SLO-2	Basic terms in statistics	Spreadsheet window - Active sheet - Active cell		Consolidating data Creating subtotals	
S-2	SLO-1	Types of variables	Sorting data – Filtering data – Removing duplicates	Bivariate frequency distributions	COUNT and SUM functions	Simple and weighted index
	SLO-2		Sorting data – Filtering data – Removing duplicates		PRODUCT function and IF function	
S-3	SLO-1	Measurement scales	Find and select – Replace	Cumulative frequency distribution	Standardization and Other transformations (log, exponential, absolute, sum etc.)	Simple and weighted index
	SLO-2		Conditional formatting		Time function	
S – 4	SLO-1	Cross section, time series and panel data	Writing formulae	Pivot table	Arithmetic Mean – Median – Mode – Geometric and Harmonic Mean	Simple and weighted index
	SLO 2					

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		6	6	6	6	6
S-5	SLO 1	Sources of data	Referencing	Bar chart, Multiple Bar Chart	Maximum – Minimum – Quartiles – Deciles – Percentiles – Rank	Laspeyere's index
	SLO-2	Methods of data collection	Copying and pasting formulae - Paste special	Stacked Bar Chart		
S-6	SLO-1	Available statistical softwares	Formatting table	Pie chart, Scatter plot	Deviations from Mean - Variance – Standard Deviation	Paasche's index
	SLO-2	Publicly available datasets	Installing Add Ins – Analysis ToolPak	Histogram, Line chart		

Learning Resources/ Reference books	1. Gupta, V. (2002). Statistical analysis with Excel.	4. Narayana, D., Ranjan, S. & Tyagi N. (2021). Basic Computational Techniques for Data Analysis: An Exploration in MS-Excel. Sage Publications.
	2. Levine, D., Stephan, D., Szabat, K. (2017). Statistics for managers using Microsoft Excel, 8th ed. Pearson.	
	3. Greg Harvey (2006). Microsoft Office Excel 2007 For Dummies. Wiley Publishing, Inc.	5. Spiegel, M. R. and Stephens, L. J. (2007). Schaum's Outline of Statistics. McGraw Hill Professional.
		6. Winston, W. (2011). Microsoft Excel 2010 Data Analysis and Business Modeling. Pearson Education.

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	-	30%	-	30%	-	30%	-	30%	-	30%
	Understand										
Level 2	Apply	-	40%	-	40%	-	40%	-	40%	-	40%
	Analyze										
Level 3	Evaluate	-	30%	-	30%	-	30%	-	30%	-	30%
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23P01L	Course Name	INTERNSHIP – I	Course Category	IAPC	Internship/Apprenticeship / Project/ Community Outreach	L	T	P	O	C
							0	0	0	0	1

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil	Course Offering Department	ECONOMICS	Data Book / Codes/Standards	Nil
-----------------------	-----	----------------------	-----	---------------------	-----	----------------------------	-----------	-----------------------------	-----

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Give idea about research project	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Identify the research problem																		
CLR-3 :	Review of literature																		
CLR-4 :	Give idea about data collection																		
CLR-5 :	Give knowledge on statistical tools and project preparation.																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Communication Skills	Critical Thinking	Problem Solving	Analytical Reasoning	Research Related Skills	Reflective Thinking	Self-Directed Learning	Leadership Readiness/Qualities	Life-long Learning	Professional Skills	Experiential Learning	Employability Options	Decision making Skills	PSO1- ICT Skills
CLO-1 :	Gained knowledge about research project	2	80	80	H	L	H	M	L	M	M	M	M	M	M	M	M	L	L
CLO-2 :	Increased knowledge on research problem	2	75	70	H	L	M	L	L	L	H	H	H	H	H	H	H	L	L
CLO-3 :	Improved practice in review of literature	2	85	80	H	L	H	L	L	L	H	H	H	H	H	H	H	L	L
CLO-4 :	Well versed in data collection	3	80	75	H	H	H	L	L	L	H	H	H	H	H	H	H	L	H
CLO-5 :	Gained knowledge on statistical tools and project preparation	3	75	70	H	M	H	L	L	M	H	H	H	H	H	H	H	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		5	5	5	5	5
S-1 to S- 5	SLO-1	Topic selection	Review of literature	Research design	Data Collection and analysis	Interpretation and conclusion

INTERNSHIP PROJECT DESCRIPTION

GUIDELINES

- Project report is the compulsory component of the syllabus to bridge the gap between theory and practice.
- The field of specialization is to be any field applying Economics.
- The project work should be neatly presented in not less than 60 pages and not more than 100 pages
- Paper Size should be A4
- 1.5 spacing should be used for typing the general text. The general text shall be justified and typed in the Font style – (Font: Times New Roman / Font Size: 12 for text)
- Subheading shall be typed in the Font style (Font: Times New Roman 1 / Font Size: 14 for headings) The report should be professionally prepared.

7. The candidate should submit periodical report of the project to the supervisor.
8. Two reviews will be conducted before the Viva Voce
9. Each candidate should submit hardcopy (3 copies) and a soft copy in CD to the Department. After the Evaluation of the project report one hard copy will be returned to the candidate
10. After the Evaluation of the project report one hard copy will be returned to the candidate.

EVALUATION SCHEME

Project Evaluation and viva voce – Internal Examiner – 50 Marks

Project Evaluation and viva voce – External Examiner – 50 Marks

TOTAL MARKS - 100 Marks

If a candidate fails to submit the Project Work or fails to appear for the Viva Voce Examination then the Candidate should submit or appear only in the next Viva Voce Examination.

Learning Assessment				
Internship	Continuous Learning Assessment (50% weightage)		Final Evaluation (50% weightage)	
	Review – 1	Review – 2	Project Report	Viva-Voce
	20%	30%	30%	20%

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
2. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	5. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 6. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	9. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 10. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 11. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 12. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UCD23V03T	Course Name	Industry Oriented Employability Skills for Arts	Course Category	V	Value Addition Course	L	T	P	O	C
							2	0	0	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Career Guidance Cell	Data Book / Codes/Standards	-		

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)																	
CLR-1 :	Demonstrate various principles involved in solving mathematical concepts related to permutation and combination and probability and interpret data			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	1	2	3	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Professional Behaviour	Life Long Learning
CLR-2 :	Learn the basic mechanics of Grammar																							
CLR-3 :	Develop resume-building practice and presentation skills in students																							
CLR-4 :	Prepare students for job interviews																							
CLR-5 :	Instill confidence in students and develop the necessary skills to face interview																							
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																						
CLO-1 :	Understand the concepts of permutation and combinations, probability and approach questions in a simpler and innovative method			3	80	70	M	M	-	M	-	H	-	M	H	M	-	H	-	H	-	-	L	H
CLO-2 :	Understand the different parts of speech and use them in sentences appropriately			3	85	75	M	-	-	M	-	H	-	-	-	-	H	-	-	-	-	-	-	-
CLO-3 :	Understand the importance of resume preparation and building a resume			3	85	80	H	M	M	M	M	H	L	-	-	-	-	-	-	M	-	-	H	
CLO-4 :	Face interviews confidently			3	85	80	M	M	H	M	M	H	L	-	-	-	-	-	-	M	-	-	H	
CLO-5 :	Develop their domain skills to face the interview			3	85	80	M	M	H	M	M	H	L	-	-	-	-	-	-	M	-	-	H	

Duration (hour)		6	6	6	6	6
S-1	SLO-1	Permutation and Combination – Introduction	Puzzles Selections – Introduction	Resume Writing – Introduction	Negotiation Skills - Introduction	Blog & Business – Writing – Introduction
	SLO-2	Permutation and Combination – Problems	Puzzles Selections – Problems	Resume Writing – Formats	Negotiation Skills – Practise Session	Blog & Business – Writing – Steps to follow
S-2	SLO-1	Probability – Introduction	Puzzles Distribution - Introduction	Resume Writing – Practise Session I	Negotiation Skills - Activity	Marketing Writing – Introduction
	SLO-2	Probability – Problems	Puzzles Distribution – Problems	Resume Writing – Practise Session II	Negotiation Skills – Feedback Session	Marketing Writing – Tips and Resources
S-3	SLO-1	Data Sufficiency – Introduction	Change of Voice – Introduction	Presentation – Introduction	Prioritising Activities for a Productive Work Day	Content Strategy – Introduction
	SLO-2	Data Sufficiency – Problems	Change of Voice – Rules and conversion	Presentation - Do's and Don'ts	Prioritising Activities for a Productive Work Day – Feedback Session	Content Strategy – How to write and order different types of Content

S-4	SLO-1	Escalator Problems – Introduction	<i>Change of Speech – Introduction</i>	<i>Presentation – Types and Rules</i>	How to collect, analyse and share Feedback	Creative Writing – Introduction
	SLO-2	Escalator Problem –Tricky Problems	<i>Change of Speech – Rules and Exercises</i>	<i>Presentation – Using Visual Elements</i>	How to collect, analyse and share Feedback	Creative Writing – Elements and Examples
S-5	SLO-1	Surds and Indices–Introduction	<i>Attention to Details – Introduction</i>	<i>Presentations – Oral & PPT – Mock Presentation</i>	Content Writing - Language Skills – Introduction	Copy Writing – Introduction
	SLO-2	Surds and Indices – Problems	<i>Attention to Details – Benefits and its Importance</i>	<i>Suggestions and Tips to improve</i>	Language Skills – Importance and Practise Session	Copy Writing – Techniques to improve
S-6	SLO-1	Cubes & Cuboids – Introduction	<i>Completing Statements – Introduction</i>	Types of Interviews - Group / Stress / HR – Introduction	Internet Skills – Introduction	Plagiarism - Introduction
	SLO-2	Cubes & Cuboid – Problems	<i>Completing Statements – Types and Rules</i>	Types of Interviews - Mock Interview	Internet Skills – Process of Writing, Editing and Publishing in a digital Format	Plagiarism – Types and Legal Aspects

Learning Resources	1. Abhijit Guha, <i>Quantitative Aptitude for Competitive Examinations</i> , Tata McGraw Hill, 5th Edition	3. Raymond Murphy, <i>Intermediate English Grammar</i> , Cambridge University Press, 2007 4. Robert W. Bly, <i>The Copywriter's Handbook</i> , St. Martin's Griffin Press, 3rd Edition
	2. Scott Bennett, <i>The Elements of Resume Style: Essential Rules for Writing Resumes and Cover Letters That Work</i> , AMACOM, 2014	

Learning Assessment					
Level	Bloom's Level of Thinking	Continuous Learning Assessment (100% weightage)			
		CLA-1 (20%)	CLA-2 (20%)	CLA-3 (30%)	CLA-4 (30%) #
		Theory	Theory	Theory	Theory
Level 1	Remember	10%	10%	30%	30%
	Understand				
Level 2	Apply	50%	50%	40%	40%
	Analyze				
Level 3	Evaluate	40%	40%	30%	30%
	Create				
Total		100 %	100 %	100 %	100 %

CLA-1, CLA-2 and CLA-3 can be from any combination of these: Online Aptitude Tests, Classroom Activities, Case Studies, Poster Presentations, Power-point Presentations, Mini Talks, Group Discussions, Mock interviews, etc.
 #CLA – 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
Mr. M. Ponmurugan, Executive PMOSS, Cognizant Technology Solutions India Pvt. Limited, Chennai	Dr. G. Saravana Prabu, Asst. Professor, Department of English, Amrita Vishwa Vidyapeedam, Coimbatore	Dr. Sathish K, HOD, Department of Career Guidance Cell, FSH, SRMIST
		Dr. Muthu Deepa M, Assistant Professor, Department of Career Guidance Cell, FSH, SRMIST

SEMESTER – IV

Course Code	UEY23401J	Course Name	MACRO ECONOMICS - II	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:			Learning			Program Learning Outcomes (PLO)														
		1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
CLR-1 :	Learn open economy and growth models	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning			
CLR-2 :	Understand different aspects of demand and supply of money				H	H	M	M	H	H	H	H	H	H	L	H	L	L	H			
CLR-3 :	Study inflation and business cycle theories				H	H	M	M	H	H	L	L	L	L	L	L	L	L	L	H		
CLR-4 :	Understand the relation between inflation and unemployment				H	H	M	M	H	H	L	L	L	L	L	L	L	L	L	H		
CLR-5 :	Learn post Keynesian macro models & fiscal and monetary policies				H	H	M	M	H	H	L	L	L	L	L	L	L	L	L	H		
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:			H	H	M	M	H	H	L	L	L	L	L	L	L	L	H			
CLO-1 :	Use open economy models to attain external stability	2	85	80	H	H	M	M	H	H	L	L	L	L	L	L	L	L	H			
CLO-2 :	Identify the growth pattern of a nation	2	85	80	H	H	M	M	H	H	L	L	L	L	L	L	L	L	H			
CLO-3 :	Understand the circulation of money in an economy	2	85	80	H	H	M	M	H	H	L	L	L	L	L	L	L	L	H			
CLO-4 :	Find remedies for inflationary pressures	3	85	80	H	H	M	M	H	H	L	L	L	L	L	L	L	L	H			
CLO-5 :	Know the reasons for cyclical fluctuations & Formulate effective fiscal and monetary policies	2	85	80	H	H	M	M	H	H	L	L	L	L	L	L	L	L	H			
		3	85	80	H	H	M	M	H	H	L	L	L	L	L	L	L	L	H			

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1	Fixed v/s Flexible exchange rates	Functions of money	Models of Aggregate Supply	Keynes & New-Keynesian	Macroeconomic policies
	SLO-2	Mundell-Fleming model	Classical approach to demand for money			
S-2	SLO-1	Asset Markets, expectations and exchange rates	Neo-classical theory of demand for money	Classical, Keynesian and Monetarist and Structuralist approaches to inflation	Staggered Wage rational Expectation and the Breakdown of the Policy irrelevance result	Objectives of macroeconomic policies
	SLO-2					Target variable and instrument variable
S-3	SLO-1	Monetary approach to balance of payments	Keynes's liquidity preference approach transaction, precautionary and speculative demand for money	Classical, Keynesian and Monetarist and Structuralist approaches to inflation	Menu Cost and the Fluctuation of Output	Monetary policy – Instruments
	SLO-2					The issue of central bank autonomy
S4-6	SLO-1	The new classical critique of micro foundations	Post-Keynesian approaches to demand for money	Inflation and its social costs	Efficient Wage Theory	Rules versus discretion
	SLO 2	The new classical approach	Approaches of Baumol, Tobin, Patinkin and Friedman	hyperinflation remedies		The Taylor rule

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-7	SLO-1	Policy Implications of new classical approach - empirical evidence	Approaches of Baumol, Tobin, Patinkin and Friedman	Philips curve analysis (Short run and long run)	Insider-Outsider Model	Time inconsistency of policy
	SLO-2			Natural rate of unemployment		Inflation Targeting
S-8	SLO-1	Harrod-Domar model	Money supply	expectation augmented Phillips curve	Insider-Outsider Model	Issues Relating to Inflation Targeting
	SLO-2					Country Experiences with Inflation Targeting
S-9	SLO-1	Solow model	RBI approach to money supply	Nonaccelerating inflation rate of unemployment (NAIRU)	Model of Disciplinary Unemployment	Fiscal policy – Instruments
	SLO-2			Tobin's modified Philips curve		
S10-12	SLO-1	Steady state	Types of money – M1, M2, M3, M4, and M0	Adaptive expectations	Model of Disciplinary Unemployment	Policy lags – Inside and outside lags
	SLO-2			rational expectations hypothesis and the Lucas critique		
S-13	SLO-1	Golden rule	High powered money and money multiplier	Policies to control inflation	Disequilibrium, multiple equilibria, hysteresis	Fiscal policy and budget deficit
	SLO-2			Unemployment and national income: Okun's Law		
S-14	SLO-1	Technological progress	budget deficits and money supply	Business cycle- meaning and features	Disequilibrium, multiple equilibria, hysteresis	Crowding out effect and government budget
	SLO-2			Multiplier-Accelerator Interaction Model		The Ricardian Equivalence
S-15	SLO-1	Absolute and conditional convergence	Money supply and open economy	Theories of Business cycle- Hawtrey, Keynes, Samuelson, Kaldor, Hicks, Goodwin's model	Reconstructing the Keynesian multiplier	Income policy – Stabilization policy
	SLO-2					
S16-18	SLO-1	Endogenous growth theory	control of money supply	Real business cycle theory	The New-Keynesian model of inflation	Interaction between fiscal and monetary policy
	SLO-2					

Learning Resources/ Reference books	1. Edward Shapiro, Macroeconomics, Oxford University press.	6. Abhijit Kundu, Methodology and Perspectives of Social Science, Pearson Education 2009.
	2. Gregory Mankiw, Macroeconomics, 6th ed., Tata McGraw Hill.	
	3. Richard T. Froyen, Macroeconomics, Pearson education.	7. Dornbusch, Fischer and Startz, Macro Economics, Tata McGraw Hill.
	4. Eugene Diulio, Macro economic Theory, Schaum's Outline series, Tata McGraw Hill.	
	5. Errol D'Souza, Macro Economics, Pearson Education 2008.	8. Lipsey R. and A Chrystal, Economics, 11th ed., Oxford University Press New Delhi.
		9. Jones, C., Introduction to Economic Growth, 2nd ed., W. W. Norton 2013.

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23402J	Course Name	APPLIED ECONOMETRICS	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Learn about autoregressive and distributed models			1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Study the estimation of simultaneous equation models			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Know the conditions of identification																				
CLR-4 :	Understand the different binary response models																				
CLR-5 :	Learn stationary and non-stationary time series models & panel data models																				
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																			
CLO-1 :	Estimate causality models			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-2 :	Check whether the structural equation is identified or not			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-3 :	Use appropriate estimation methods for simultaneous equations			2	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-4 :	Estimate binary response models			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-5 :	Do time series, panel data & Perform advanced macroeconometric			3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
				3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
18		18	18	18	18	18
S-1	SLO-1	Role of time or lag	Simultaneous Equation Model: Definition – examples	Estimation of Non linear regression model-The trial and error method	Introduction to Time Series Analysis	Introduction to Panel Data Analysis
	SLO-2	Reasons for lags				
S-2	SLO-1	Autoregressive and Distributed Lag Model	simultaneous equation bias	Introduction to binary variables	Basic concepts of time series model	Meaning and nature of panel data
	SLO-2	Estimation of Distributed Lag Model	Endogeneity	Linear probability models and their limitations	Deterministic and Stochastic processes	
S-3	SLO-1	Ad Hoc Method of estimation	structural and reduced form equations	Normal and Logistic curve	Stationary Process, Non-stationary process	Basic concept of Panel data model
	SLO-2	Koyck transformation			Random walk model	
S4-6	SLO-1	Mean and Median Lag	Identification problem	Probit and Logit models	Purely Random Process	Pooled model
	SLO 2	Adaptive Expectations		estimation and inference		
S-7	SLO 1	partial adjustment models	rank and order condition	hypothesis testing	random walk with drift	Pooled model
	SLO-2			odds ratios, marginal effects and goodness of fit measures		
S-8	SLO-1	Almon lag - polynomial distributed lag models	Rank and order condition	Multinomial models	Random walk with drift and trend	Fixed effects model
	SLO-2					

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-9	SLO-1	Almon lag - polynomial distributed lag models	exact and over identifications	Ordinal models	Integrated Variables	Fixed effects model
	SLO-2					
S10-12	SLO-1	Estimation of autoregressive models	exact and over identifications	testing parallel regression assumption	Deterministic and stochastic trends	Fixed effects model
	SLO-2			Count data models (Poisson, Negative binomial models)		
S-13	SLO-1	Estimation of autoregressive models	triangular model	Two part models (Sample Selection, Zero- inflation, Hurdle models)	Concept of Unit root	Random effect models
	SLO-2		Methods of estimation including indirect least squares	Censored versus truncated data		
S-14	SLO-1	Method of Instrumental Variables	two-stage least squares and three-stage least squares	censored and truncated normal distributions	Dickey fuller test and Augmented Dickey fuller test	Random effect models
	SLO-2			Truncated regression		
S-15	SLO-1	Method of Instrumental Variables	LIML and FIML	Censored (TOBIT) regression	Spurious Regression	first-difference model
	SLO-2					
S16-18	SLO-1	Granger Causality Test	LIML and FIML	Duration/hazard models	Co-integration	first-difference model
	SLO-2					

Learning Resources/ Reference books	1. Koutsoyiannis, A, Theory of Econometrics 2. Marno Verbeek, 2017, "A Guide to Modern Econometrics", John Wiley & Sons, Ltd, 5th Edition. 3. Brooks, C., "Introductory Econometrics for Finance", Cambridge University press, 4th Edition, 2019 4. Baltagi, B.H. "Econometric analysis of panel data", John Wiley and Sons, 5th Edition, 2013	5. Pindyck, R.S. and Rubinfeld, D.L., "Econometric Models and Economic Forecasts" 4th Ed 6. Jeffrey M. Wooldridge Econometric Analysis of Cross Section and Panel Data, MIT Press 7. Wooldridge, J. M., "Introductory Econometrics: An Introductory Approach", South-Western, Cengage Learning, 5th Edition, 2013 8. Stock, J. H. and Watson, M. W., "Introduction to Econometrics", Pearson, 3rd Edition, 2015. 9. Enders, W., "Applied Econometric Time Series", Wiley 4th Edition, 2018.

	Bloom’s Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23403J	Course Name	PUBLIC ECONOMICS	Course Category	C	Discipline Specific Core Course	L 3	T 0	P 3	O 2	C 4
-------------	-----------	-------------	------------------	-----------------	---	---------------------------------	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Understand the role of State in economic activity	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CLR-2 :	Learn the theories of taxation and public expenditure	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning		
CLR-3 :	Study the fiscal policy instruments in India																				
CLR-4 :	Know about the division of resources between centre and states																				
CLR-5 :	Understand the recommendations of Finance Commissions & local governments																				
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																			
CLO-1 :	Efficiently allocate public goods in the economy.	2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	H		
CLO-2 :	Know about taxes and spending policies of the government	2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	H		
CLO-3 :	Understand the debt policies of the government	2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	H		
CLO-4 :	Understand the effects of budget on the economy	2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	H		
CLO-5:	Aware of the issues in sharing or revenues between centre and states& Know how local governments manage their finances	2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	H		
		2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	H		

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1	Public Finance –Meaning, Scope and Importance	Public Revenue - Classification of Revenue	Fiscal policy – meaning and objectives	Federal Finance	Local Finance –Meaning
	SLO-2	Public finance and Private finance	Theories of Taxation	instruments of Fiscal policy in India		
S-2	SLO-1	Principle of Maximum Social Advantage	Measurement	Budget in India	Allocation of Revenue Resources between Centre and States	Importance
	SLO-2	Role of Public Finance in Developing Countries	Definition of tax – features of a tax	Process –Procedure –Purpose of Budget		
S-3	SLO-1	Functions of the State and Role of Public Sector in Economic Activity	direct and indirect tax – advantages and disadvantages	Types –Revenue and capital Budget	Allocation of Revenue Resources between Centre and States	Sources for Finance for Local Government
	SLO-2		Progressive, Proportional, Regressive and Degressive Taxes -Meaning			
S4-6	SLO-1	The Theory of Public and Private Goods	Shifting and Incidence of taxes – Meaning	Performance Budgeting	Division of Functions	Sources for Finance for Local Government
	SLO 2		Theories of Shifting – Concentration, Diffusion, Modern Theory			

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-7	SLO 1	Efficiency of Public Goods	Factors affecting incidence of Tax	Principles of Budgets	Division of Resources	Role of Panchayat Raj
	SLO-2	Private preference for Public goods	Income Tax –Merits and Demerits			
S-8	SLO-1	Voluntary Exchange Theory	Sales –VAT –MANVAT –MODVAT –Capital Gains Tax –Wealth Tax	Objectives of Balanced and Unbalanced Budget	Division of Resources	Role of Panchayat Raj
	SLO-2		Public Expenditure –Meaning Classification			
S-9	SLO-1	Samuelson Theory	Effects on Production, Distribution	arguments for and against	Central Resources	Role of Panchayat Raj
	SLO-2		Causes of Growth of Public Expenditure			
S10-12	SLO-1	Externalities	Canons of Public Expenditure	Features of the Latest Budget	State List	Gram sabha
	SLO-2		Reason for the growth of Public Expenditure			
S-13	SLO-1	Negative Externalities –Positive Externalities and inefficiency	Wagner's views on Public Expenditure	Deficit Financing –Meaning	Finance Commission	Gram sabha
	SLO-2		Peacock –Wiseman Hypothesis			
S-14	SLO-1	Allocation of Resources	Samuelson and Musgrave Approach	Methods	Functions	Gram sabha
	SLO-2		Colin Clark Hypothesis			
S-15	SLO-1	Opportunity cost and Allocation	Public Debt –Meaning –Causes –Classification	Effects	Major Recommendations -14 th and 15 th Finance Commission	Municipalities
	SLO-2		Causes, effects and sources of Public debt	Limitation		
S16-18	SLO-1	Efficient Allocation of Resources – Optimum Budget	Burden – Kinds of burden - Measurement of Debt Burden	Deficit Financing in India	Major Recommendations -14 th and 15 th Finance Commission	Municipalities
	SLO-2		Redemption of Public debts in India			

Learning Resources/ Reference books	1. Atkinson, A. B and J.E. Siglitz (1980), Lectures on Public Economics, Atkinson, Tata McGraw Hill, New York	4. B. P. Tyagi Revised by Dr. H. P. Singh, Public Finance, Jai Prakash Nath & Co. 5. Harvey Rosen (2005), Public Finance, McGraw Hill Publications, 7 th Edition. 6. Bhargava (2004), Public finance, Its theory and working in India, Chaitanya Publishing House. 7. R.K. Lekhi, Public Finance, Jogindar Singh Publishers
	2. John Cullis and Philip Jones (1998), Public Finance and Public Choice, Oxford University Press Ist Edition. 3. R.A. Musgrave and P.B.Musgrave (1989), Public Finance in Theory and Practice, McGraw Hill Publications, 5 th Edition.	

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice

Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	ULT23AE2J	Course Name	Applied Tamil – II	Course Category	AE	Ability Enhancement Courses (AE)	L	T	P	O	C
							1	0	2	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Tamil	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	அகராதி, கலைச்சொல் குறித்த நுட்பங்களை அறியச் செய்தல்	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	நேர்காணல் செய்யும் திறனும் செய்தி வாசிப்பு முறைகளையும் தெரியச் செய்தல்	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO -3
CLR-3 :	விமர்சனத்தின் தன்மைகளும் செய்தியறிக்கை தயாரிக்கும் முறையையும் அறியச் செய்தல்				H	-	H	-	H	H	-	H	M	-	H	H	-	-	-
CLR-4 :	பேச்சுக்கலையின் தனித்துவங்களைப் புரியச் செய்தல்				H	-	H	-	H	H	-	M	M	-	H	H	-	-	-
CLR-5 :	கணினித்தமிழின் பல்வேறு நுட்பங்களைத் தெரியச் செய்தல்				H	-	H	-	H	H	-	M	H	-	M	H	-	-	-

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	H	-	H	-	H	H	-	M	M	-	H	H	-	-	-
CLO-1 :	அகராதித்துறை கலைச்சொல்லாக்கத் துறையைத் தெரிந்துகொள்ளுதல்	2	75	60	H	-	H	-	H	H	-	M	M	-	H	H	-	-	-
CLO-2 :	ஊடகங்களில் மொழி ஆளுமையோடு செயல்படும் திறன் பெறுதல்	2	80	70	H	-	H	-	H	H	-	M	M	-	H	H	-	-	-
CLO-3 :	கலை, இலக்கிய விமர்சன முறைகளையும் செய்தியறிக்கை தயாரிக்கும் நுட்பங்களையும் தெரிந்துகொள்ளுதல்	2	70	65	H	-	H	-	H	H	-	M	H	-	M	H	-	-	-
CLO-4 :	பல்வேறு வடிவங்களைக் கொண்ட பேச்சுக்கலையை அறிவதன்வழி, சிறந்த மேடைப் பேச்சாளராக உருவாகும் தகுதியைப் பெறுதல்	2	70	70	H	-	H	-	H	H	-	H	H	-	H	H	-	-	-
CLO-5 :	தமிழைக் கணினி வழி, இணையம் வழி கொண்டுசேர்க்கும் உலகளாவிய செயல்பாடுகளை அறிந்துகொள்ளுதல்	2	80	70	H	-	H	-	H	H	-	H	M	-	H	M	-	-	-

Duration (hour)	9	9	9	9	9
S-1	SLO-1 தமிழில் அகராதிகள்	நேர்காணல் அறிமுகம்	விமர்சனம் – அறிமுகம்	பேச்சுக்கலை	கணினித்தமிழ்
	SLO-2 ஒரு மொழி/ இருமொழி அகராதி	ஆளுமைத்திறன்	விமர்சனத்தின் நோக்கம்	பேச்சின் அடிப்படைகள்	கணினி வழித் தட்டச்சு
S-2	SLO-1 பன்மொழி அகராதி	நோக்கம் – கண்டறிதல்	விமர்சன வகைகள்	தன்னம்பிக்கையும் பேச்சும்	தட்டச்சு செய்யும் மென்பொருட்கள்
	SLO-2 உயிர்/ மெய் எழுத்துகள்	நேர்காணல் முறைகள்	இலக்கிய விமர்சனம்	பேச்சின் வகைகள்	எழுத்துருக்கள்

S-3	SLO-1	உயிர்மெய் எழுத்துகள்	இனிய சொற்கள் பயன்பாடு	திரை விமர்சனம்	மேடைப் பேச்சு	யூனிகோடு எழுத்துருக்கள்/ பிற எழுத்துருக்கள்
	SLO-2	அகராதிக்கான அடிப்படைகள்	நேர்காணல் வகைகள்	கலை விமர்சனம்	பட்டிமன்றப் பேச்சு	குரல் வழி தட்டச்சு
S-4	SLO-1	அகராதி உருவாக்கப் பயிற்சி	நேரடியாக வினா விடை	விமர்சகர் தகுதிகள்	சொற்பொழிவு முறை	எழுத்து வழி தட்டச்சு
	SLO-2	அகராதி உருவாக்கப் பயிற்சி	அச்ச ஊடக நேர்காணல்	தேர்ந்த புலமை	பேச்சின் நுட்பங்கள்	தட்டச்சு செய்யும் பயிற்சி
S-5	SLO-1	கலைச்சொல் அறிமுகம்	காட்சி ஊடக நேர்காணல்	எழுத்துவடிவ விமர்சனம்	பேச்சாளர்களும் பேசும் முறைகளும்	தட்டச்சு செய்யும் பயிற்சி
	SLO-2	பிறமொழிச் சொற்களும் தமிழில் கலைச் சொற்களும்	கேட்பு ஊடக நேர்காணல்	காட்சி வடிவ விமர்சனம்	பேச்சு - எடுத்துரைப்பும் உடல்மொழியும்	பிழை திருத்திகள்
S-6	SLO-1	கலைச்சொல்லாக்க நெறிமுறைகள்	கள ஆய்வில் நேர்காணல்	விமர்சனம் செய்யும் பயிற்சி	நவீன தொழில்நுட்பங்களில் பேச்சு முறைகள்	தமிழில் பிழை திருத்தம் செய்யும் மென்பொருட்கள்
	SLO-2	கலைச்சொல் உருவாக்க உத்திகள்	நேர்காணல் செய்யும் பயிற்சி	விமர்சனம் செய்யும் பயிற்சி	பேச்சாளர்க்குரிய தகுதிகள்	வலைப்பூ உருவாக்கம்
S-7	SLO-1	துறைசார் சொற்கள்	நேர்காணல் செய்யும் பயிற்சி	செய்தியறிக்கை	பேச்சுப் பயிற்சி	வலைப்பூவில் எழுதும் முறைகள்
	SLO-2	புதிய கண்டுபிடிப்புகளும் கலைச்சொற்களும்	செய்தி வாசிப்பு முறைகள்	சமூக நிகழ்வை எழுதுதல்	பேச்சுப் பயிற்சி	வலைப்பூவின் பயன்கள்
S-8	SLO-1	பயன்பாட்டுச் சொற்கள்	செய்தி வாசிப்பு நுட்பங்கள்	செய்தியாளர்க்குரிய தகுதிகள்	கலந்துரையாடலின் நோக்கம்	தமிழ் இணைய நூலகங்கள்
	SLO-2	கலைச்சொல்லாக்கப் பயன்பாடுகள்	உச்சரித்தல்	உற்றுநோக்குதல்	கலந்துரையாடலின் தனித்தன்மைகள்	இணைய நூலகப் பயன்பாடுகள்
S-9	SLO-1	கலைச்சொல் உருவாக்கப் பயிற்சி	பிழையின்றி வாசித்தல்	சமநிலையில் எழுதுதல்	தம் கருத்தைத் தெளிவாக உரைத்தல்	தமிழ்த் தொடரடைவுகள்
	SLO-2	கலைச்சொல் உருவாக்கப் பயிற்சி	வாசித்தலும் உணர்வும்	செய்தியறிக்கை தயாரித்தல்	கலந்துரையாடல் பயிற்சி	தொடரடைவின் பயன்பாடுகள்

Learning Resources	<ol style="list-style-type: none"> 1. அகராதியியல், பெ. மாதையன், தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர், 1997. 2. பேச்சுக்கலை, ம. திருமலை, மீனாட்சி புத்தக நிலையம், மயூராவளாகம், மதுரை, 2009. 3. பேச்சாளராக, அ.கி.பரந்தாமனார், பாரி நிலையம், சென்னை, 196 4. நேர்காணல், மின்னூலகம், தமிழ் இணையக் கல்விக் கழகம், 5. இணைய வழித் தரவுகள் : https://tamilheritage.org/
--------------------	--

Learning Assessment											
	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	50%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	20%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Expert from Higher Technical Institutions	Internal Experts
I. Dr. P.R.Subramanian, Director, Mozhi Trust, Thiruvanniyur, Chennai – 600 041.	I. Dr. V. Dhanalakshmi, Associate Professor, Subramania Bharathi School of Tamil Language & Literature, Pondicherry University, Pondicherry	1. Dr. B.Jaiganesh, Associate Professor & Head, Dept. of Tamil, FSH, SRMIST, KTR 2. Dr. R. Ravi, Assistant Professor and Head, Dept. of Tamil, FSH, SRMIST, VDP. 3. Mr. G. Ganesh, Assistant Professor, Dept. of Tamil, FSH, SRMIST, RMP. 4. Dr. T.R.Hezbibah beulah Suganthi, Assistant Professor, Dept. of Tamil, FSH, SRMIST, KTR. 5. Dr. S.Saraswathy, Assistant Professor, Dept. of Tamil, FSH, SRMIST, KTR.

Course Code	ULH23AE2J	Course Name	APPLIED HINDI - II	Course Category	AE	Ability Enhancement Courses (AE)	L	T	P	O	C
							1	0	2	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	HINDI		Data Book / Codes/Standards	Nil	

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	To find and analyze different types of Cinema
CLR-2 :	To Discover the print Media in the present World
CLR-3 :	Writing report for Employability
CLR-4 :	Writing Reviews and Create Job Oriented learning
CLR-5 :	To Acquire technical words for various job Prospects

1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
2	75	80
2	80	90
2	75	95
2	80	90
2	85	90

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO-3
H	H	H	H	H	H	H	M	M	H	H	H	-	-	-
H	H	H	H	H	H	H	M	M	H	H	H	-	-	-
H	H	H	H	H	H	H	M	M	H	H	H	-	-	-
H	H	H	H	H	H	H	M	M	H	H	H	-	-	-
H	H	H	H	H	H	H	M	M	H	H	H	-	-	-

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
CLO-1 :	To Understand the History and Documentary in Hindi Cinema
CLO-2 :	To Comprehend Media Studies
CLO-3 :	To Evaluate report Writing
CLO-4 :	Enhance their Writing Skills in Media Studies
CLO-5 :	To Understand and usage of technical words in Hindi

Duration (hour)	9	9	9	9	9
S-1	SLO-1	HINDI CINEMA	MEDIA AUR HINDI BHASHA	REPORTARJ LEKHAN	FILM REVIEW& VIGYAPAN
	SLO-2	CINEMA KI AVDHARNA	AVDHARNA	AVDHARNA	ARTH
S-2	SLO-1	UDBHAV	SWARUP	SWARUP	PARIBHASHA
	SLO-2	VIKASH	MAHATVA	UDDESHYA	SWARUP
S-3	SLO-1	DOCUMENTRI MOVE KI AVDHARNA	MEDIA MEN BHASHA KA PRAYOG	MAHATVA	AWADHARNA
	SLO-2	COMERCIAL MOVE KI AVDHARNA	UTTARDAYITVA	REPORTARJ LEKHAN KE PRATI RUCHI JAGANA	FILM REVIEW KA MAHATTVA
S-4	SLO-1	PRAYOJAN	PRINT MEDIA	REPORTAJ KI BHUMIKA	VIGYAPAN AUR BAZAR
	SLO-2	UDDESHYA	ELECTRONIC MEDIA	PRAYOJAN	VIGYAPAN AUR ROZGAR

S-5	SLO-1	MAHATVA	MEDIA KI JIMMEDARI	PRAYOG	PRINT VIGYAPAN	MAHATVA
	SLO-2	PRAKAR	SMACHAR LEKHAN	UTTARDAYITVA	VIGYAPAN KI BHASHA	PRAYOG
S-6	SLO-1	PRISHTHBHUMI	REPORTER KE GUN	RIPOTARJ LEKHAN	AWADHARNA	UDDESHYA
	SLO-2	KARYASHALA	SAHAJTA	PUNRIKSHAN	ARTH	TAKANIKI SHABDAVALI KA MHATVA
S-7	SLO-1	DOCUMENTRY KI VIDHI	NISPAKSHTA	LEKHAN VIDHI	PARIBHASHA	HINDI SE ANGREZI SHABD
	SLO-2	DOCUMENTRY AUR COMERCIAL MOVE MEN ANTAR	PEET PATRAKARITA	SAMAJIK DAYRA	SWARUP	ANGREZI SE HINDI SHABD
S-8	SLO-1	COMERCIAL KI VIDHI	UTTARDAYITVA	SAHITYA ME RIPOTARJ LEKHAN	VIGYAPAN KE PRAKAR	EK DIN EK SHABD
	SLO-2	MOVE VISLESHAN	BHASHA GYAN	PARIYOJNA KARYA	VIGYAPAN KI VISHESHTAYEN	SHABDON KA VISLESHAN
S-9	SLO-1	PARICHARCHA	PARICHARCHA	PARICHARCHA	VIGYAPAN MANG	PATH PRICHARCHA
	SLO-2	PRASHNABHYASH	PRASHNABHYASH	PRASHNABHYASH	VIGYAPAN KA PRABHAV	PRASHNABHYASH

Learning Resources	Edited Book: “PRAYOJAN MULOK HINDI”, SRIJONLOK PUBLICATION, 2023, New Delhi.										
	1. Film Banti Hai aur Banati Bhi hai, Lekhika – Sonal, Neolit Publication										
	2. https://navbharattimes.indiatimes.com/entertainment/movie-review/articlelist/2325387.cms?curpg=3										
	3. https://epustakalay.com/book/4858-hindi-patrarakita-by-dr-krishnbihari-mishra/										
	4. https://hindisamay.com/ https://rajbhasha.gov.in/hi/hindi-vocabulary										

Learning Assessment											
	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	50%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	20%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
Shri. Santosh Kumar Editor : Srijanlok Magazine Place: Vashishth Nagar, Ara – 802301	1. Prof.(Dr.) S.Narayan Raju, Head, Department of Hindi,CUTN, Tamilnadu	1. Dr.S Preeti. Associate Professor & Head, SRMIST
Alumni	Student	2. Dr. Md.S. Islam Assistant Professor, SRMIST
Ananya Singh Trainee Associate (Finance Operations) Cargill Business Services India Building 9,2nd and 3rd Floor, Cessna Business Park, Kaverappa Layout, Kadubeesanahalli, India, Bengaluru, Karnataka	Maimunah sheik Reg: RA2131001010006 Dept: of Biotechnology	3.Dr. S. Razia Begum, Assistant Professor, SRM IST
		4, Dr.Nisha Murlidharan Assistant Professor, VDP,SRM IST

Course Code	ULF23AE2J	Course Name	French for Specific Purpose - II	Course Category	AE	Ability Enhancement Courses (AE)	L	T	P	O	C
							1	0	2	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	French	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Strengthen the language of the students both in oral and written
CLR-2 :	Express their sentiments, emotions and opinions, reacting to information, situations
CLR-3 :	Make them learn the basic rules of French Grammar.
CLR-4 :	Develop strategies of comprehension of texts of different origin
CLR-5 :	Enable the students to overcome the fear of speaking a foreign language and take position as a foreigner speaking French

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
---------------------------------	--

CLO-1 :	To enable the students to overcome the fear of speaking a foreign language and take position as a foreigner speaking French
CLO-2 :	To strengthen the knowledge on concept, culture, civilization and translation of French
CLO-3 :	To develop content using the features in French language
CLO-4 :	To interpret the French language into other language
CLO-5 :	To improve the communication, intercultural elements in French language

1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
2	75	60
2	80	70
2	70	65
2	70	70
2	80	70

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO-3
M	H	H	H	M	H	M	H	H	M	H	H			
H	M	M	H	M	M	H	M	L	H	H	M			
M	H	H	M	H	M	H	H	M	H	H	H			
H	H	M	H	M	H	H	M	H	M	H	H			
M	H	H	M	M	M	H	H	M	H	H	M			

Duration (hour)	9	9	9	9	9
S-1	SLO-1	TOEIC	Les quantificateurs	Les prépositions de lieu	Les verbes irréguliers
	SLO-2	Qu'est-ce que c'est/	le génitif	Les activités	le futur et
S-2	SLO-1	À qui est-il destiné ?	Les adjectifs	Les prépositions de temps -	le conditionnel
	SLO-2	Les compétences évaluées	et pronoms possessifs	Les activités	les modaux
S-3	SLO-1	Le nom	les pronoms	les temps et	La suggestion
	SLO-2	Le pluriel des noms	Les pronoms personnels	Les activités	le conseil
S-4	SLO-1	Les indéénombrables	les pronoms compléments	les aspects-	Les exemples
	SLO-2	Les noms composés	Les activités	Les activités	le reproche

S-5	SLO-1	L'adjectif	pronoms réfléchis	Le présent simple	Les activités	l'impératif
	SLO-2	Les comparatifs	Les activités	Les activités	L'obligation	Les activités
S-6	SLO-1	les superlatifs	les adverbes	Le présent be+ing	la permission	la voix passive
	SLO-2	les articles définis (the)	Les activités	Les activités	l'interdiction	Les exemples
S-7	SLO-1	les articles indéfinis (a, an)	La place de l'adverbe dans la phrase	<i>Les exemples</i>	La capacité	les subordonnées relatives
	SLO-2	Les exemples	Les activités	Le prétérit simple - Le prétérit be+ V-ing	l'incapacité	Les activités
S-8	SLO-1	Les adjectifs	L'ordre des adverbes	Les exemples	les verbes à particule	Les subordonnées circonstancielles
	SLO-2	Les exemples	Les activités	- Le présent perfect be+ing	les verbes suivis de V-ing	Les activités
S-9	SLO-1	pronoms possessifs (this et that)	les prépositions-	Le past perfect simple -	d'un infinitif avec sans to	A ne pas confondre
	SLO-2	Les activités	Les exemples	Le past perfect be + ving -	Les exemples	Les activités

Learning Resources	Theory:
	1. “Réussir le nouveau TOEIC” Détails des épreuves, méthodologie, grammaire, et vocabulaire, Studyrama.
	2. https://www.fluentu.com/blog/french/french-grammar
	3. https://www.elearningfrench.com/learn-french-grammar-online-free.html
	4. https://www.lawlessfrench.com/grammar https://blog.gymglish.com/2022/12/15/basic-french-grammar

Learning Assessment												
	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)									Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#				
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice		Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand											
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	20%	50%	-
	Analyze											
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	15%	20%	-
	Create											
	Total	100 %		100 %		100 %		100 %		100 %		

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Expert from Higher Technical Institutions	Internal Experts
1. Mr. Kavaskar Danasegarane Process Expert Maersk Global Service Center Pvt. Ltd	1. Dr. C.Thirumurugan Professor, Department of French, Pondicherry University	1. Mr. Kumaravel K. Assistant Professor & Head, SRMIST, KTR
2.Mr. Sharath Raam Prasad Character Designer, Animaker Company Pvt.		2. Mrs. Abigalai Assistant Professor, SRMIST, VDP

Course Code	UEY23G02T	Course Name	INTRODUCTION TO GAME THOERY	Course Category	G	Generic Elective Course	L	T	P	O	C
							4	0	0	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		
CLR-1 :	Understand the basics of Game Theory			
CLR-2 :	Study the various Classical Games in Normal Form			
CLR-3 :	Learn the various methods of finding Nash Equilibria			
CLR-4 :	Analyze the possibilities of finding Nash Equilibria in Mixed-Strategy Game			
CLR-5 :	Know the different components of an Extensive Game & Analyze the different aspects of a Game with Incomplete Information			

Learning		
1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)

Program Learning Outcomes (PLO)																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15				
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning				

Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:		
CLO-1 :	Analyze and categorize each game into different categories	3	85	75
CLO-2 :	Know which method to use to reach a Nash Equilibria for each type of game	3	80	85
CLO-3 :	Calculate the pay-offs to each player in the game	3	80	75
CLO-4 :	Use Game Theory to solve problems of practical life	3	85	75
CLO-5 :	Use mathematical models and tools support Game Theoretic operations & Use Game Theoretic Approach to solve economic problems	3	85	80
		3	75	80

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		12	12	12	12	12
S-1	SLO-1	Introduction to Game Theory	Classical Normal-Form games - Assumptions	Randomization of strategies	Games in Extensive Form – Introduction	Subgame perfection
	SLO-2	Preliminary Concepts	Nash Equilibrium		Games in Extensive Form with Complete and Incomplete Information	
S-2	SLO-1	Players – Pay-Offs – Strategies – Nash Equilibria	Principle of Dominance	Mixed Strategy profile	Games in Extensive Form with Complete Information (GEFCI)	Rubinstein's Bargaining model
	SLO-2		Weak Dominance and Strong Dominance		Structure of GEFCI	
S-3	SLO-1	Decision making under Strategic Interdependence	Methods to Find Nash Equilibria: Iterated Elimination of Dominated Strategies (IEDS)	Mixed strategy Nash Equilibrium	Backward Induction to Solve GEFCI	Repeated games
	SLO-2		IEWDS and IESDS Methods			
S-4	SLO-1	Strategies and Payoff functions	Finding Nash Equilibria using Best Response Functions (BRF)	Finding mixed strategy Nash Equilibria	Common Knowledge Rationality	Iterated Prisoner's Dilemma
	SLO-2		Nash Equilibria through BRF			

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		12	12	12	12	12
S-5	SLO-1	Types of games: Zero-sum games and General-Sum games with Examples	Classical Games: Prisoner's Dilemma and Pollution Problems	Zero sum games – Introduction	Credible Threats, Promises and Commitments	Examples using Iterated Prisoner's Dilemma
	SLO-2					
S-6	SLO-1	Types of games: Two-person and n-person games with Examples	Classical Games: Battle of Sexes	Difference between Zero-Sum Games and General Sum Game	Big Monkey-Little Monkey Problem	Examples using Iterated Prisoner's Dilemma
	SLO-2					
S-7	SLO-1	Types of games: Non-cooperative and Cooperative games with Examples	Classical Games: Chicken Game	Minimax Theorem	Criticisms of backward Induction	Practical Problems in Game Theory
	SLO-2					
S-8	SLO-1	Rationality in game theory	Classical Games: Stag Hunt	Value of a Zero-Sum Game	Ultimatum game	Practical Problems in Game Theory
	SLO-2					
S-9	SLO-1	Common Knowledge Rationality	Classical Games: Stag Hunt	Saddle Point in a Game	Centipede game	Practical Problems in Game Theory
	SLO-2					
S-10	SLO-1	Game-theoretic revolution in economics	Classical Games: Stag Hunt	Practice Problems	Practice Problems	Practice Problems
	SLO-2					
S-11	SLO-1	Game-theoretic revolution in economics	Practice Problems	Example Problems of Mixed Strategy Nash Equilibrium	Practice Problems	Practice Problems
	SLO-2					
S-12	SLO-1	Practice Problems	Practice Problems	Practice Problems	Practice Problems	Practice Problems
	SLO-2					

Learning Resources	1. Gintis, Herbert and Schecter, Stephen (2016) <i>Game Theory in Action: An Introduction to Classical and Evolutionary Models</i> , Princeton University Press	3. Hargreaves, H. Shaun and Varoufakis, Yanis (2004) <i>Game Theory: A Critical Text</i> , Routledge
	2. Watson, Joel (2013) <i>Strategy: An Introduction to Game Theory</i> , Third Edition, W.W. Norton & Company	4. Dixit, A.K., Susan Skeath and David H Reiley (2015) <i>Games of Strategy</i> , Fourth Edition, W.W. Norton & Company

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	40%	-	40%	-	40%	-	40%	-	40%	-
	Analyze										
Level 3	Evaluate	30%	-	30%	-	30%	-	30%	-	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23S02J	Course Name	ECONOMETRIC ANALYSIS USING R	Course Category	S	Skill Enhancement Course	L	T	P	0	C
							1	0	2	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		<i>The purpose of learning this course is to:</i>		Learning		
CLR-1 :	Understand the basic coding in R			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
CLR-2 :	Carry out data visualisation in R					
CLR-3 :	Run statistical analysis in R					
CLR-4 :	Run various regression models in R					
CLR-5 :	Analyse real time data & Perform econometric data analysis using R					
Course Learning Outcomes (CLO):		<i>At the end of this course, learners will be able to:</i>				
CLO-1 :	Run calculations in R			3	85	80
CLO-2 :	Visualise Economic data in R			3	85	80
CLO-3 :	Run correlation among variables in R			3	85	80
CLO-4 :	Perform regression analysis in R			3	85	80
CLO-5	Run time series and panel data models in R & Analyse real time data using R			3	85	80
				3	85	80

Program Learning Outcomes (PLO)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
H	H	H	H	H	H	H	H	H	H	L	H	H	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
9		9	9	9	9	9
S-1	SLO-1	Introduction to R programming	Operators - Arithmetic Operators- Relational Operators	Working with Economic Data - Cross Sections, Time Series, and Panel Data	Descriptive statistics in R	Regression and Classification
	SLO-2	Installing R and RStudio- RStudio Overview	Logical Operations - Assignment Operators			
S-2	SLO-1	Working in the Console	Decision Making- If Statement - If...Else Statement - The if...else if...else Statement - Switch Statement	High Frequency and Massive Data Sets	Measures of central tendency	Simple, multiple linear regression
	SLO-2	Getting Data into R				Regression inference
S-3	SLO-1	Loading a delimited text data file, an Excel file and an SPSS file	LOOPS - Repeat Loop - While Loop – For Loop - Loop Control	Data Visualization - Using the ggplot2 package to visualize data	Measures of central tendency	Hypothesis testing, Z test, chi-square, F and t distributions
	SLO-2	Saving Output in R- Accessing Records and Variables in R		Applying themes from ggthemes to refine and customize charts and graphs		Regression diagnostics
S-4	SLO-1	Working with missing data	Statements - Break Statement – Next Statement	Building data graphics for dynamic reporting	Measures of variability	Violation of OLS assumptions- autocorrelation, heteroskedasticity, etc.
	SLO 2	Basic Syntax - R Command Prompt		Basic Plots: Pie Charts, Scatter plots		

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		9	9	9	9	9
S-5	SLO-1	R Script File - Comments	Function - Definition - Function Components - Built-in Function - User-defined Function - Calling a Function	Histograms and Distributions	Measures of variability	Binary response model- Logistic Regression
	SLO-2	Getting Help in R and Quitting R Studio				
S-6	SLO-1	Data structures, variables, and data types	Strings - Rules Applied in String Construction - String Manipulation	Probability distributions – Binomial and Poisson	Skewness and kurtosis	Time series models
	SLO-2	Variable Assignment - Data Type of a Variable - Numeric, Character and Logical Data - Finding Variables - Deleting Variables	R Packages	Normal and standard normal distribution	Summary functions	
S-7	SLO-1	Variable Assignment - Data Type of a Variable - Numeric, Character and Logical Data - Finding Variables - Deleting Variables	Data Reshaping - Joining Columns and Rows in a Data Frame - Merging Data Frames	Working with messy data- Renaming Columns (Variable Names) - Attaching / Detaching	describe functions	Panel data models
	SLO-2		Melting and Casting - Melt the Data - Cast the Molten Data	Tabulating Data: Constructing Simple Frequency Tables	descriptive statistics by group	
S-8	SLO-1	Vectors - Lists - Matrices - Arrays -	Data querying: SQL and R	Ordering Factor Variables	ANOVA	Decision Tree
	SLO-2	Factors - Data Frames	Writing SQL statements in R			Random Forest
S-9	SLO-1	Sorting Numeric, Character, and Factor Vectors	Using the Select, From, Where, Is, Like, Order By, Limit, Max, Min SQL functions	Contingency tables	Correlation	Survival Analysis
	SLO-2	Special Values				Chi-Square Test

Learning Resources/ Reference books	1.	Applied Econometrics with R (2008), Christian Kleiber · Achim Zeileis, Springer.	4.	Data Mining and Business Analytics with R, Johannes Ledolte, Wiley, 2013
	2.	Estimation of Statistical Models in R, Josh Mills	5.	Principles of Econometrics, Neeraj Hatekar, Sage Publications
	3.	An introduction to analysis of financial data with R, Reuy S. Tsay	6.	R Graphics Cookbook, Winston Chang, O'Reilly Media, 2013

	Bloom’s Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UCD23V06T	Course Name	Career Readiness and Leadership Management	Course Category	V	Value Addition Course	L	T	P	0	C
							2	0	0	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Career Guidance Cell	Data Book / Codes/Standards			

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learnin g			Program Learning Outcomes (PLO)														
CLR-1 :	Enable students to understand reasoning skills and mathematical concepts	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Prepare students for job interviews	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related	Procedural Knowledge	Skills in Specialization	Ability to Utilize	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Professional Behavior	Life Long Learning
CLR-3 :	Help learners to develop the vocabulary of a general kind by developing their reading skill																		
CLR-4 :	Nurture a creative and professional mindset																		
CLR-5 :	Develop life-long skills students can use to seek jobs, internships and make career changes																		
Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:																		
CLO-1 :	Solve the problems on reasoning	3	80	75	M	M	H	M	M	M	L	M	M	M	M	M	M	H	H
CLO-2 :	Face interviews confidently	3	80	75	M	M	H	L	M	M	L	L	M	M	M	L	L	H	H
CLO-3 :	Develop comprehension and interpretation skills	3	75	70	M	M	H	M	M	M	L	M	M	M	H	L	M	M	H
CLO-4 :	Use design thinking as a strategy	3	75	70	M	M	H	H	M	M	M	M	M	M	M	L	M	M	H
CLO-5 :	Assist students in choosing a career path during their course	3	75	70	M	M	H	H	M	M	M	M	M	M	M	L	M	M	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		6	6	6	6	6
S-I	SLO-1	Partnership	Self-Image and Self-Presentation	Extempore Practice Session	Entrepreneurship - Introduction	Decision Making
	SLO-2	Partnership related solving problems	Etiquettes		Entrepreneurship - Vision, Value Proposition	Decision Making – Activity

S-2	SLO-1	Cryptarithmic	Interview Skills - Introduction	How to approach Virtual & In Person Interviews	Entrepreneurship - Business Model	Leadership Skills - Ethics & Ethical Decision Making
	SLO-2	Cryptarithmic – solving problems	Do's and Don'ts During Interview	Tips & Tricks to Crash Interview	Entrepreneurship – Revenue Streams	Leadership Skills -Decision Making – Case Study
S-3	SLO-1	Ordering, Ranking	Mock Interview – Session 1	Types of Paragraphs	Entrepreneurship - Sales	Management – Definition
	SLO-2	Grouping	Mock Interview – Session 2	Paragraph Forming Questions	Entrepreneurship - Marketing Channels	Manager – Traits
S-4	SLO-1	Venn Diagrams	Mock Interview – Session 3	Types of Sentences	Entrepreneurship - Quality Control	Leadership Skills - Management Challenges
	SLO-2	Venn Diagrams solved questions	Mock Interview – Session 4	Ordering of Sentences	Entrepreneurship - Customer Feedback	Change Management
S-5	SLO-1	Races and Games	HR Round – Practice Session	Skimming & Scanning	Leadership Skills	Novel Ways to Manage Energy in Work Place – activity
	SLO-2	Problems on Ages	HR personal Interview - Session	Reading Comprehension	Leadership Skills Strategy	Energy Management
S-6	SLO-1	Clocks & Calendars	Email Etiquettes	Restatement	Leadership Skills – Planning	Work Force management
	SLO-2	Identification of Cross Variable Relation	Email Drafting – Do's and Don'ts	Most Appropriate Restatement	Types of Leadership	Grievance Redressal Policy in Organisations

Learning Resources	Textbooks:
	<ol style="list-style-type: none"> 1. Abhijit Guha, <i>Quantitative Aptitude for Competitive Examinations</i>, Tata McGraw Hill, 5th Edition 2. Dr. Agarwal.R.S, <i>Quantitative Aptitude for Competitive Examinations</i>, S. Chand and Company Limited, 2018 Edition 3. Edgar Thrope, <i>Test of Reasoning for Competitive Examinations</i>, Tata McGraw Hill, 6th Edition References: <ol style="list-style-type: none"> 1. Bhatnagar R P, <i>English for Competitive Examinations</i>, Trinity Press, 2016. 2. Craig E Johnson, <i>Meeting the ethical challenges of leadership</i>, Sage publications, 2018 3. Allan R Cohen, David L Bradford, <i>Influence without authority</i>, Wiley, 2018 4. T V Rao, <i>Managers who make a difference: Sharpening your management skill</i>, Random House India, 2016

Learning Assessment					
Level	Bloom's Level of Thinking	Continuous Learning Assessment (100% weightage)			
		CLA-1 (20%)	CLA-2 (20%)	CLA-3 (30%)	CLA-4 (30%)
		Theory	Theory	Theory	Theory
Level 1	Remember	20%	10%	20%	20%
	Understand				
Level 2	Apply	50%	50%	50%	50%
	Analyze				

Level 3	Evaluate	30%	40%	30%	30%
	Create				
	Total	100 %	100 %	100 %	100 %

CLA-1, CLA-2 and CLA-3 can be from any combination of these: Online Aptitude Tests, Classroom Activities, Case Studies, Poster Presentations, Power-point Presentations, Mini Talks, Group Discussions, Mock interviews, etc.

CLA – 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
<i>Mr. M. Ponmurugan, Executive PMOSS, Cognizant Technology Solutions India Pvt. Limited, Chennai</i>	<i>Dr. G. Saravana Prabu, Asst. Professor, Department of English, Amrita Vishwa Vidhyapeedam, Coimbatore</i>	<i>Dr. Sathish K, HOD, Department of Career Guidance, FSH, SRMIST</i>
		<i>Ms. Deepalakshmi S, Assistant Professor, Department of Career Guidance, FSH, SRMIST</i>

Course Code	UMI23M01L	Course Name	My India Project	Course Category	S	Skill Enhancement course	L	T	P	O	C
							0	0	0	0	0

Pre-requisite Courses	<i>Nil</i>	Co-requisite Courses	<i>Nil</i>	Progressive Courses	<i>Nil</i>
Course Offering Department	<i>Computer Applications</i>	Data Book / Codes/Standards	<i>Nil</i>		

Assessment Method – Fully Internal

Assessment Tools	Marks
Review – I (Activities)	50
Review – II (Project report and Presentation)	50
Total	100

SEMESTER V

Course Code	UEY23501J	Course Name	MONETARY ECONOMICS	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to:
CLR-1 :	Understand the evolution of money
CLR-2 :	Study the theories of money
CLR-3 :	Know about the causes and effects of inflation
CLR-4 :	Understand the functioning of commercial banks
CLR-5 :	Learn the functions of RBI & Know about money and capital market

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
CLO-1 :	Identify different types of money
CLO-2 :	Know about demand and supply of money
CLO-3 :	Formulate policies to tackle inflation
CLO-4 :	Manage money through commercial banks
CLO-5 :	Understand monetary policies of RBI & working of money and capital market

Learning	1	2	3
Level of Thinking (Bloom)	2	80	75
Expected Proficiency (%)	2	80	75
Expected Attainment (%)	3	80	75

Program Learning Outcomes (PLO)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Application of Concepts	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Link with Related Disciplines	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Procedural Knowledge	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Skills in Specialization	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Ability to Utilize Knowledge	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Skills in Modeling	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Analyze, Interpret Data	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Investigative Skills	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Problem Solving Skills	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Communication Skills	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Analytical Skills	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
ICT Skills	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Leadership Skills	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H
Life Long Learning	H	H	M	L	L	M	L	L	L	L	L	L	L	L	H

Duration (hour)	Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
	18	18	18	18	18
S-1	SLO-1	Money - Definition of Money	Demand for Money	Inflation –Meaning	Central Banking - Nature
	SLO-2	Evolution of Money	The supply of money	Kinds	functions of central Bank
S-2	SLO-1	Barter System	Composition of Money Supply in India –M ₁ , M ₂ , M ₃	RBI –Functions	Financial Markets
	SLO-2	Functions of Money	changes in the supply of Money	Causes of Inflation	Money Market –Meaning
S-3	SLO-1	Importance of Money	Types, Demand Inflation and Cost Inflation	Credit control	Functions
	SLO-2	Evils of money	Factors determining Money	objectives	Constituents of the Money Market
S4-6	SLO 2	Kinds of Money	Supply in India	Methods	
S-7	SLO 1	Metallic, paper, Deposit, Legal Tender and optional Money	Velocity of Circulation of Money –Meaning	Measures to control Inflation	Quantitative control - Methods
	SLO-2	Money proper and Money of Account	Factors affecting Velocity of Circulation of Money	Stagflation –Deflation –Meaning	Qualitative methods
S-8	SLO-1	Monetary Standard	Value of Money -Meaning	Commercial banks –Meaning	Monetary policy
	SLO-2	Types -Metallic Gold, Silver – Bimetallism	Classical View of Demand for Money	kinds	instruments
S10-12	SLO-2		functions		Capital market

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-13	SLO-1 SLO-2	Gresham's law	Transaction Approach	credit creation	instruments	Financial Institutions in the capital Market
S-14	SLO-1 SLO-2	Paper Currency standard -Merits and Demerits	Keynesian View	Balance sheet of a Bank	objectives	Financial Institutions in the capital Market
S-15	SLO-1 SLO-2	Methods of Note Issue	Cash Balance Approach	Importance and role of commercial Bank in the economy	role of Monetary Policy in UDC's- Assessment of Monetary Policy	Financial Institutions in the capital Market
S16-18	SLO-1 SLO-2	Methods of Note Issue	Keynesian Liquidity Preference Theory	Importance and role of commercial Bank in the economy	role of Monetary Policy in UDC's- Assessment of Monetary Policy	Financial Institutions in the capital Market

Learning Resources/ Reference books	1. Inflation Theory and Policy, Hagger, A.J., 1977, London: The Macmillan Press Ltd.	3. Monetary Economics: Theory and Policy, Mccallum, B.T., 1989, New York: Macmillan Publishing Company, 1989. Maxwell Macmillan International Editions.
	2. Macro Economics: Income and Monetary Theory, Aschheim Joseph and Ching Yao Hsieh, 1969, Charles E Merrill Publishing Co. Columbus, Ohio.	4. The Theory of Monetary Policy, Chick, Victoria, 1977, Pargate Books/ Basil Blackwell.

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#		Theory	Practice
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice		
Level 1	Remember Understand	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
Level 2	Apply Analyze	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
Level 3	Evaluate Create	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23502J	Course Name	INTERNATIONAL ECONOMICS	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Understand the theories of international trade	Level of Thinking (Bloom)	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Study about the concepts in international trade		Expected Proficiency (%)	Expected Attainment (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Learn about trade policies																			
CLR-4 :	Study the role of tariffs and quotas																			
CLR-5 :	Learn foreign exchange transactions and balance of payments & Know about trade specific international organisations																			
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																		
CLO-1 :	Know the importance of international trade	2	80	75																
CLO-2 :	Understand the trade position of a country	2	80	75																
CLO-3 :	Understand the merits and demerits of free trade and protectionist policies	2	80	75																
CLO-4 :	Know the effects of tariffs and quotas	2	80	75																
CLO-5 :	Perform foreign exchange transactions & Understand the agreements of WTO	3	80	75																
		2	80	75																

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1 SLO-2	International trade –meaning	Terms of Trade	Free trade - Protection – Meaning	Foreign exchange	Economic Integration - Stages and Forms
S-2	SLO-1 SLO-2	Difference between International and Interregional trade	Types	Cases for and against Free trade and Protection	Problem of Foreign Exchange	Theory of Customs Union
S-3	SLO-1 SLO-2	Importance of International Trade	Determination of Terms of Trade	Quotas –meaning and types	Methods	Static and Dynamic Effects
S4-6	SLO-1 SLO 2	Basic Concepts: The Community Indifference Curve	Factors Affecting Terms of Trade	Effect of Quota on Imports	Functions	Regional Trade Blocks
S-7	SLO 1 SLO-2	The Production Possibility Curve Offer Curve	Gains from Trade –Meaning Potential Gain and Actual Gain	Tariff –Meaning –Types	Determination of Exchange Rate	Bilateral and Multi-Lateral International Negotiations
S-8	SLO-1 SLO-2	Opportunity Costs Theories of international trade – Adam Smith	Factors determining Terms of Trade	Tariff –Meaning –Types	Exchange Control - objectives Merits and Demerits	Preferential Trade Areas (PTAs) and Free Trade Areas (FTAs)
S-9	SLO-1 SLO-2	Theories of international trade – Ricardo Haberler Theory of Opportunity cost	Gains from Trade in the case of Large and Small Country	Effects of Tariffs under Partial Equilibrium	Balance of payments	Objectives, Functions

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S10-12	SLO-1	The Modern theory of Factor Endowments: The Heckscher – Ohlin theory	Static Gains and Dynamic Gains	Effects of Tariffs under Partial Equilibrium	Balance of trade and Balance of payment	Structure and Working of IMF
	SLO-2					
S-13	SLO-1	Samuelson's factor – price equalization theory.	Effects of Economic Growth on Trade, on terms of trade	Effects of Tariffs under Partial Equilibrium	dis equilibrium	World Bank and Asian Development Bank
	SLO-2					WTO – Origin – Objectives
S-14	SLO-1	Factor intensity reversals –Single - Multiple	Effects of growth on production, trade welfare and terms of trade of a small country and large country	Effects of Tariff in a large country and small country	causes	structure – functions-working of WTO
	SLO-2	Stopler – Samuelson Theorem				WTO agreements: Multilateral agreement on trade in goods
S-15	SLO-1	Rybczynski Theorem	Immiserising growth	Effects of Tariff in a large country and small country	methods to correct disequilibrium	Agreement on Agriculture
	SLO-2	Leontief Paradox	Technical progress and international trade			Agreement on textiles and clothing
S16-18	SLO-1	Leontief Paradox	meaning of technical progress	Effects of Tariff in a large country and small country	methods to correct disequilibrium	Antidumping
	SLO-2		effects of technical progress on trade			GATS, TRIPS, TRIMS, TPRM

Learning Resources/ Reference books	1. International Economics, Kindleberger, Charles, 1973.	3. International Economics: Trade and Finance Dominick Salvatore, John Wiley International Student Edition, 10th edition, 2011.
	2. International Economics: Theory and Policy, Paul Krugman, Maurice Obstfeld, and Marc Melitz, Addison-Wesley (Pearson Education Indian Edition), 9th edition, 2012.	
		4. International Economics Jinghan M.L, Vrindhra Publications

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23503J	Course Name	INDIAN ECONOMY - POLICY AND PERFORMANCE	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		<i>The purpose of learning this course is to:</i>		Learning			Program Learning Outcomes (PLO)														
CLR-1 :	<i>Understand the growth and development of India</i>			1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	<i>Understand the poverty and unemployment situation of India</i>			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	<i>Study about different sectors of India</i>																				
CLR-4 :	<i>Learn about education and health status of India</i>																				
CLR-5 :	<i>Study about the foreign trade position & Understand India's relation with international institutions</i>																				
Course Learning Outcomes (CLO):		<i>At the end of this course, learners will be able to:</i>																			
CLO-1 :	<i>Understand the trends in national income in India</i>			2	80	75	H	H	L	L	L	M	L	L	L	L	L	L	L	L	H
CLO-2 :	<i>Know the poverty eradication and population policies of India</i>			2	80	75	H	H	L	L	L	M	L	L	L	L	L	L	L	L	H
CLO-3 :	<i>Know the sector wise performance of India</i>			2	80	75	H	H	L	L	L	M	L	L	L	L	L	L	L	L	H
CLO-4 :	<i>Identify the human capital development in India</i>			2	80	75	H	H	L	L	L	M	L	L	L	L	L	L	L	L	H
CLO-5 :	<i>Evaluate the external sector performance & Have a knowledge on the overall performance of Indian Economy</i>			2	80	75	H	H	L	L	L	M	L	L	L	L	L	L	L	L	H
				2	80	75	H	H	L	L	L	M	L	L	L	L	L	L	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1	Concept of Economic Growth and Development	Poverty	Planning	Capital Formation –Physical Capital	Foreign Trade
	SLO-2			Objectives of Five Year Plan	–Human Capital	
S-2	SLO-1	Features of the Indian Economy	absolute Poverty –Relative Poverty	Sectoral Outlays	Sources of Saving	Contribution of Trade and Economic Development
	SLO-2			Assessment of last five Year Plan		
S-3	SLO-1	Major issues of Economic development in India	Causes of Poverty	Agriculture: Implications of land Reform	Causes for low rate of Saving	Inward –orientation, outward orientation
	SLO-2		Poverty Alleviation Programme	Technological changes in Agriculture		
S4-6	SLO-1	Human Development Index (HDI)	Unemployment –kinds of unemployment	Pricing of Agricultural products	Human Capital formation in India	Inward –orientation, outward orientation
	SLO 2				Social Sector	
S-7	SLO 1	Gender Development Index (GDI)	Problems of unemployment	Recent Trends in Agricultural Marketing	Education –Progress of Education in India	Analysis of India's Foreign Trade
	SLO-2					
S-8	SLO-1	Definition of National Income	The Theory of Demographic Transition	Second Green Revolution	School –Higher Education-Technical Education –Vocational Education	Composition of Trade
	SLO-2		Size and Growth of Population in India	Industrial Growth in India		
S-9	SLO-1	Concepts of National Income	Birth Rate –Death Rate	Performance of Textiles, Petro chemical and Information Technology Industry	Health and Family Welfare	Direction of Trade
	SLO-2		The Sex Composition of Population			

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S10-12	SLO-1	Methods	Age Composition	Small Scale Industry –Output and	Health Indicators in India	Direction of Trade
	SLO-2		Urbanisation	Employment of Small scale Enterprises	Health Expenditure in India	
S-13	SLO-1	Difficulties in the Calculation of National Income	The Quality of Population	Policies and Programmes to remove disabilities of the SSE	National Rural Health Mission	New Export –Import Policy
	SLO-2					
S-14	SLO-1	Difficulties in the Calculation of National Income	The Quality of Population	Infrastructure and Economic Development –Importance	National Rural Health Mission	New Export –Import Policy
	SLO-2					
S-15	SLO-1	Recent Trends in National Income	Population Policy	Energy –Sources –Availability of Primary Energy in India	National Rural Health Mission	India and World Bank , IMF and WTO
	SLO-2			Energy Crisis –Measures Taken- Renewable Energy Potential – Power		
S16-18	SLO-1	Recent Trends in National Income	Population Policy	Sources of Electric Power	National Urban Health Mission Programmes- Objectives and Achievements	India and World Bank , IMF and WTO
	SLO-2			Targets and Achievements - Rural Electrification		

Learning Resources/ Reference books	1. Indian Economy, DhingraI. C, S. Chand and Sons 2011	4. Indian Economy: Problems of Development and Planning, A.N. Agarwal, New Age International Private Limited
	2. Indian Economy, Dutt and Sundaram, S. Chand and Sons, 2013 3. Planning Commission Reports, GOI, Various Issues	

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR.

Course Code	UEY23D01J	Course Name	ENVIRONMENTAL AND RESOURCE ECONOMICS	Course Category	D	Discipline Specific Elective Course	L 3	T 0	P 2	O 2	C 4
-------------	-----------	-------------	--------------------------------------	-----------------	---	-------------------------------------	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)																
CLR-1 :	Understand the significance of sustainable development			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CLR-2 :	Study about externalities and market failure						Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning		
CLR-3 :	Learn environmental accounting and valuation						H	H	L	L	M	H	L	L	L	L	L	L	L	L	L	L	M
CLR-4 :	Understand taxes and subsidies to control environmental damage						H	H	L	L	M	H	H	L	L	L	H	L	H	L	L	L	M
CLR-5 :	Create awareness on linkages between health and environment & Know about global summits on environmental issues						H	H	L	L	M	H	L	L	L	L	L	L	L	L	L	L	M
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:					H	H	L	L	M	H	L	L	L	L	L	L	L	L	M		
CLO-1 :	Identify market failure due to externalities			2	85	80	H	H	L	L	M	H	L	L	L	L	L	L	L	L	M		
CLO-2 :	Understand different models and theories on environmental resource allocation			2	85	80	H	H	L	L	M	H	H	L	L	L	H	L	L	L	M		
CLO-3 :	Carry out environmental accounting and environmental impact assessment			3	85	80	H	H	L	L	H	H	L	L	L	H	L	H	L	L	M		
CLO-4 :	Evaluate environmental policies			3	85	80	H	H	L	L	H	H	L	L	L	L	L	L	L	L	M		
CLO-5 :	Know the impact of environment on health			2	85	80	H	H	L	L	M	H	L	L	L	L	L	L	L	L	M		
	& Contribute to the attainment of millennium development goals			3	85	80	H	H	L	L	M	H	L	L	L	L	L	L	L	L	M		

Duration (hour)	Learning Unit / Module 1		Learning Unit / Module 2		Learning Unit / Module 3		Learning Unit / Module 4		Learning Unit / Module 5	
	15		15		15		15		15	
S-1	SLO-1	A Holistic Approach towards Sustainable Economic Development: Environment and the Economy	Understanding Linkages between Environment and Economics		Envisioning ideas for Sustainable Development		Biodiversity and Economics of Environment		Environment Linkages of Health Dimensions	
	SLO-2									
S-2	SLO-1	Equilibrium Approach	Material Balance Model		Economic Resources and Sustainable Development		Resource Economics and Ecological Economics		Environment in the Development Process	
	SLO-2									
S-3	SLO-1	Humankind needs and nature relationship	Law of Thermodynamics and Entropy		Natural resources – Uses – Scarcity		Resources – Types		Determinants of Health	
	SLO-2									
S4-5	SLO-1	Population size – Issues	Welfare Economics		Exploring alternatives		Hotelling's Rule		Environmental factors	
	SLO 2				Optimum Use Criteria					
S-6	SLO 1	Environment problems – Technology	Efficiency and Competitive markets		Environmental accounting		Solow Hartwick's rule		Outcomes	
	SLO-2									
S-7	SLO-1	Environment problems – Technology	Environment as a public good and Externality		Integration of environmental accounts with the system of National Accounts		Optimality in Forest Harvesting		Morbidity and Mortality	
	SLO-2									
S-8	SLO-1	Production needs	Pigou and Coase Theorem		Environment Impact Assessment (EIA)		Taxes – Subsidies – Credits		Demand and Supply of Healthcare	
	SLO-2									

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S9-10	SLO-1	Consumption needs	Common Pool Resources	Sustainable development for Intra Generational and Intergenerational Equity	Coase's theorem and Property rights	Human Capital versus Physical Capital
	SLO-2					
S-11	SLO-1	Depletion of natural resources	The Tragedy of Commons	Measurement of SD	Coase's theorem and Property rights	Environmental education for Sustainable Development
	SLO-2					
S-12	SLO-1	Overexploitation of resources and scarcity	The Tragedy of Commons	Strong and weak sustainability	Ostrom's Collective Action	Global issues
	SLO-2					
S-13	SLO-1	Issues of pollution	Efficient Allocation of Resources – Opportunity Cost	Strategies for Sustainability	Ostrom's Collective Action	World Summits on Environmental issues and Sustainable Development
	SLO-2					
S14-15	SLO-1 SLO-2	Externalities and Market Failure	Efficient Allocation of Resources – Opportunity Cost	EKC	Ostrom's Collective Action	MDG

Learning Resources/ Reference books	1. R. N. Bhattacharya (2006), Environmental Economics: An Indian Perspective, Oxford University Press, New Delhi.	6. Garge, M. R. (Ed.) (1996) Environmental Pollution and Protection, Deep and Deep Publications, New Delhi.
	2. Ulaganathan, Sankar (2006), Environmental Economics, Oxford University Press, New Delhi.	
	3. Hanley, Shogren and White (2004), Environmental Economics in Theory and Practice, McMillan India Limited, Delhi.	7. Lodha, S. L. (Ed.) (1991), Environmental of Environment. RBSA Publishers, Jaipur.
	4. Singh & Shishodia (2010), Environmental Economics: Theory and Applications, Sage Publications, New Delhi.	
	5. Rathore, M.S. (Ed.) (1996), Environmental and Development, Rawat Publications. Jaipur.	8. Rajlakshmi N. And Dhulasi B. (1994), Environomics, Allied publishers Ltd., New Delhi.
		9. Singh, G. N. (Ed.) (1991), Environmental Economics, Mittal Publications, New Delhi.
		10. Mehta, C.S. (1994), Environment and Law, RBSA Publishers, New Delhi.
		11. Karpagam, M. (1993), Environmental Economics, Sterling Publishers, New Delhi.

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23D02J	Course Name	FINANCIAL ECONOMICS	Course Category	D	Discipline Specific Elective Course	L 3	T 0	P 2	O 2	C 4
-------------	-----------	-------------	---------------------	-----------------	---	-------------------------------------	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Study the role financial system in economic development		1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Learn the theories of interest rates		Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Understand the concepts of risk and return of an asset																			
CLR-4 :	Study option pricing models																			
CLR-5 :	Learn efficient market hypothesis & Study about volatility testing																			
Course Learning Outcomes (CLO):			At the end of this course, learners will be able to:																	
CLO-1 :	Participate in the financial markets		2	85	80	H	H	L	L	L	H	L	L	L	L	L	L	L	L	H
CLO-2 :	Understand the variations in interest rates		2	85	80	H	H	L	L	L	H	L	L	L	L	L	L	L	L	H
CLO-3 :	Measure the risk and return of asset and portfolio		3	85	80	H	H	L	L	L	H	L	L	L	H	L	H	L	L	H
CLO-4 :	Do valuation of options		3	85	80	H	H	L	L	L	H	L	L	L	H	L	H	L	L	H
CLO-5 :	Understand the implications of efficient market hypothesis & Identify volatility in the financial market		2	85	80	H	H	L	L	L	H	L	L	L	L	L	L	L	L	H
			3	85	80	H	H	L	L	L	H	L	L	L	L	L	L	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
15		15	15	15	15	15
S-1	SLO-1	Nature and Role of Financial System	Determination of interest rates	Risk and Return	Single period models	Three forms of EMH and their implications for financial markets
	SLO-2			Measurement of Risk and Return of a Portfolio		
S-2	SLO-1	Financial Intermediate and Financial Intermediaries	Structure of Interest rates	Determinants of Beta	Asset dynamics	Three forms of EMH and their implications for financial markets
	SLO-2			Risk Trade- off between risk and return (the Markowitz model)		
S-3	SLO-1	The structure of the financial system	Theories of term structure interest rates: Expectation Theory	Efficient frontier of risky assets	Portfolio and Wealth process	Three forms of EMH and their implications for financial markets
	SLO-2			Value at risk of a portfolio		
S4-5	SLO-1	Financial Markets: functions of financial system	Market Segmentation Theory and Liquidity Premium Theory	computing VAR	Multi-period models	Random walk
	SLO 2			Definition of VAR	General model specifications	
S-6	SLO 1	Financial Instruments	determinants of general structure of interest rates	Security market line	Cox-Ross Rubinstein Binomial model	Random walk
	SLO-2			standard and Zero Beta CAPM	Continuous time models	
S-7	SLO-1	Financial System and Economic Development	Analysis of financial statement: Ratio Analysis	Empirical evidence on CAPM	Simple facts about the Merton Black	Martingales
	SLO-2			Deriving APT		
S-8	SLO-1	Time Value of Money	Analysis of financial statement: Ratio Analysis	Measuring performance using APT	Scholes model	Martingales
	SLO-2			Drawing the term structure		

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S9-10	SLO-1	Future value of an annuity	Analysis of financial statement: Ratio Analysis	Methods of computing the yield to maturity	Brownian Motion process	Causes of Volatility
	SLO-2			Market Expectations theory of the term structure		
S-11	SLO-1	Present value of annuity	Different Kinds of Financial Ratios	yield curve analysis	Diffusion process	Causes of Volatility
	SLO-2					
S-12	SLO-1	Present rate of perpetuity	Different Kinds of Financial Ratios	Liquidity preference theory of the term structure	Stochastic Integrals – it's rule	volatility testing
	SLO-2					
S-13	SLO-1	Present rate of perpetuity	Calculation and its importance in financial analysis	Market segmentations theory of the term structure	Stochastic Integrals – it's rule	volatility testing
	SLO-2					
S14-15	SLO-1	Investment Criteria: Net Present Value, Benefit Cost Ratio, Internal Rate of Return, Modified Internal Rate of Return, Pay Back Period	Calculation and its importance in financial analysis	Estimating the expected return of a bond for portfolio analysis	Stochastic Integrals – it's rule	volatility testing
	SLO-2					

Learning Resources/ Reference books	1. David A. Dubofsky and Thomas W. Miller (2003), Derivatives: Valuation and Risk Management, OUP. 2. J. Cvitanic and Zapatero F (2004), Introduction to Economics and Mathematics of Financial Markets, MIT Press, Cambridge, London. 3. E. J. Elton and M.J. Gruber (1995), Modern Portfolio Theory and Investment Analysis, Wiley, London. 4. Z. Bodie, A. Kane and A.J. Marcus (2004), Investments, Irwin McGraw – Hill, London.	5. Prasana Chandra, Financial Management, Theory and Practice, Tata McGraw Hill, New Delhi. 6. Chandra, P (2012) Financial Management, Theory and Practice, McGraw Hill Education Pvt. Ltd. New Delhi. 7. Bhole, L. M. and J Mahakud (2009) Financial Institutions and Markets, McGraw Hill Education Pvt. Ltd. New Delhi. 8. Mishkin F S and S G Eakins (2011) Financial Institutions and Markets, Pearson, New Delhi.

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR

Course Code	UEY23G03J	Course Name	OPERATIONS RESEARCH	Course Category	G	Generic Elective Course	L	T	P	O	C
							3	0	2	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)														
CLR-1 :		Have an idea of the relevance of Operations Research in Economics		1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :		Study different optimisation techniques		Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :		Learn inventory management																			
CLR-4 :		Have a knowledge on queuing systems																			
CLR-5 :		Learn methods of decision making under uncertainty & Know about decision tree analysis																			
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																			
CLO-1 :	Understand the basic concepts in operations research		2	85	80																
CLO-2 :	Find optimal solutions subject to constraints of time, labor, resource, material, and business rules		3	85	80																
CLO-3 :	Manage inventories efficiently		3	85	80																
CLO-4 :	Use different queuing systems to improve customer experience in businesses		3	85	80																
CLO-5 :	Make intelligent decisions to develop and manage processes and businesses &		3	85	80																
	Apply tools of operations research in solving real-world economic problems		3	85	80																

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-1	SLO-1	Introduction to Management and Operations Research	Optimisation Techniques	Inventory Management	Queuing Systems	Elements of Decision making
	SLO-2					
S-2	SLO-1	Management and Decision making	Linear Programming: Post-optimality analysis	Types of inventories	General structure and operational characteristics of a queuing system	Decision making under uncertainty
	SLO-2					
S-3	SLO-1	Decision making and Quantitative techniques	Transportation problem: General Transportation Table	inventory decisions	General structure and operational characteristics of a queuing system	Decision making under uncertainty
	SLO-2					
S4-5	SLO-1	Decision making and Quantitative techniques	IBFS – North-West Corner Rule	inventory costs	General structure and operational characteristics of a queuing system	Maxi – Min and Maxi – Max Criteria
	SLO 2		Least- Cost method			
S-6	SLO 1	Definition of OR	Vogel's Approximation Method	Inventory management systems	General structure and operational characteristics of a queuing system	Maxi – Min and Maxi – Max Criteria
	SLO-2		Testing the Optimality: Stepping Stone method			
S-7	SLO-1	Characteristics and Methodology of OR	Modified Distribution (MODI) Method	Inventory models	Queue Discipline	Hurwicz Criterion
	SLO-2			Classical Economic Order Quantity (EOQ) Model		

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-8	SLO-1	Characteristics and Methodology of OR	Assignment problem: Methods of solving assignment problems	EOQ with Price breaks	Queue Discipline	Laplace Criterion
	SLO-2			Build up Model / EOQ Model for Production runs		
S9-10	SLO-1	Historical development of OR	Complete Enumeration Method	Inventory Model with Planned shortages	Queuing Models: Deterministic and Probabilistic Queuing Models	Mini – Max Regret Criterion
	SLO-2					
S-11	SLO-1	Historical development of OR	Hungarian Assignment Method	Ideal Inventory System	Queuing Models: Deterministic and Probabilistic Queuing Models	EMV and EOL Criterion
	SLO-2					
S-12	SLO-1	Historical development of OR	Network Analysis	Approaches to Inventory Control	Queuing Models: Deterministic and Probabilistic Queuing Models	EMV and EOL Criterion
	SLO-2					
S-13	SLO-1	Applications and Limitations of OR	PERT and CPM Techniques	Approaches to Inventory Control	Queuing Models: Deterministic and Probabilistic Queuing Models	Decision-Tree Analysis
	SLO-2					
S14-15	SLO-1	Applications and Limitations of OR	PERT and CPM Techniques	Approaches to Inventory Control	Queuing Models: Deterministic and Probabilistic Queuing Models	Decision-Tree Analysis
	SLO-2					

Learning Resources/ Reference books	1. Hillier, F. S. and G. J. Lieberman, Introduction to Operations Research, McGraw-Hill Publishing Company, New York, NY, 1995.	5. P. Sankaralyer, "Operations Research", Tata McGraw-Hill, 2008. 6. A.M. Natarajan, P. Balasubramani, A. Tamilarasi, "Operations Research", Pearson Education, 2005. 7. P. K. Gupta and D. S. Hira, "Operations Research", S. Chand & co., 2007. 8. J K Sharma., Operations Research Theory & Applications, 3rd Edition, Macmillan India Ltd, 2007.
	2. Taha, H. A., Operations Research, Prentice Hall, Upper Saddle River, NJ, 1997. 3. Winston, W. L., Operations Research, Duxbury Press, Belmont, CA, 1994. 4. J K Sharma., "Operations Research, Problems and Solutions, 3e", Macmillan India Ltd. Page 47 of 86	

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR.

Course Code	UEY23S03J	Course Name	APPLICATIONS OF SQL - RDBMS IN ECONOMICS	Course Category	S	Skill Enhancement Course	L	T	P	O	C
							1	0	1	2	1

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:
CLR-1 :	Study the basic concepts of Database Management System
CLR-2 :	Learn relational and ER models
CLR-3 :	Understand database integrity
CLR-4 :	Learn about database normalisation
CLR-5 :	Study about file organization & Learn SQL commands

Learning		
1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
2	80	75
2	80	75
2	80	75
2	80	75
2	80	75
2	80	75

Program Learning Outcomes (PLO)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
H	H	M	L	L	H	L	H	H	L	L	H	H	L	H
H	H	M	H	H	H	H	H	H	M	L	H	H	L	H
H	H	M	H	H	H	H	H	H	M	L	H	H	L	H
H	H	M	H	H	H	H	H	H	M	L	H	H	L	H
H	H	M	H	H	H	H	H	H	M	L	H	H	L	H
H	H	M	H	H	H	H	H	H	M	L	H	H	L	H

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
CLO-1 :	Understand the benefits of database management
CLO-2 :	Use relational and ER models
CLO-3 :	Use the rules of database normalisation
CLO-4 :	Deal with physical database design issues
CLO-5 :	Run SQL Queries based on various commands & Manage Economics data using SQL

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		6	6	6	6	6
S-1	SLO-1	Basic concepts- Database Management System	Relational and ER Models: Data Models - Relational Model	Database Integrity and Normalisation	File Organisation	Structures Query Language (SQL)
	SLO-2	File based system		Relational Database Integrity	Physical Database Design Issues	SQL commands
S-2	SLO-1	Advantages of DBMS over file based system	Domains	The Keys	Storage of Database on Hard Disks	Data Definition Language
	SLO-2	Database Approach	Tuple and Relation	Referential Integrity		Data Manipulation Language
S-3	SLO-1	Logical DBMS Architecture	Super keys - Candidate keys - Primary keys and foreign key for the Relations	Entity Integrity	File types - Heap files (Unordered files) - Sequential File Organisation	Data Control Language
	SLO-2	Three level architecture - Need for three level architecture		Redundancy and Associated Problems		Transaction Control Language
S-4	SLO-1	Database Administrator (DBA) Functions & Role	Relational Constraints - Domain Constraint - Key Constraint - Integrity Constraint	Single Valued Dependencies	Indexed (Indexed Sequential) File Organisation - Hashed File Organisation	Queries using Order by - Where - Group by - Nested Queries
	SLO 2		Update Operations and Dealing with Constraint Violations	Normalisation		Joins - Views - Sequences

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		6	6	6	6	6
S-5	SLO 1	Data files indices and Data Dictionary	Relational Operations - Entity Relationship (ER) Model	Rules of Data Normalisation - The First Normal Form - The Second Normal Form - The Third Normal Form - Boyce Codd Normal Form	Types of Indexes - Index and Tree Structure	Indexes and Synonyms
	SLO-2		Entities – Attributes – Relationships	Attribute Preservation	Multi-key File Organisation – Need for Multiple Access Paths	Table Handling
S-6	SLO-1	Types of Database	More about Entities and Relationships -Defining Relationship for College Database	Lossless-join Decomposition	Multi-list File Organisation - Inverted File Organisation	Laboratory: SQL Queries Based On Various Commands
	SLO-2		E-R Diagram - Conversion of E-R Diagram to Relational Database	Dependency Preservation		

Learning Resources/ Reference books	1. Database System Concepts: Silberschatz, Korth & Sudarshan, McGraw Hill. 2. Modern Database Management: J.A.Hoffer, V.Rames & H.Topi, Pearson 3. Oracle Database: A Beginner's Guide: I.Abramson, McGraw Hill.	4. Getting Started with SQL Paperback – by Thomas Nield (Author) 5. Database Systems: R.Elmasri & S.B. Navathe, Pearson.; 6. Introduction to Database Management System: ISRD Group, McGraw Hill

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers			
Expert from Industry	Experts from Academic		Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai.	2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23P02L	Course Name	INTERNSHIP – II			Course Category	IAPC	Internship/Apprenticeship / Project/ Community Outreach			L	T	P	O	C
											0	0	0	0	1

Pre-requisite Courses	INTERNSHIP – I	Co-requisite Courses	Nil	Progressive Courses	Nil	Course Offering Department	Accounting and Finance	Data Book / Codes/Standards	Nil
-----------------------	----------------	----------------------	-----	---------------------	-----	----------------------------	------------------------	-----------------------------	-----

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)														
----------------------------------	--	----------	---------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CLR-1 :	Give idea about research project	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Identify the research problem																		
CLR-3 :	Review of literature																		
CLR-4 :	Give idea about data collection																		
CLR-5 :	Give knowledge on statistical tools and project preparation.																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Communication Skills	Critical Thinking	Problem Solving	Analytical Reasoning	Research Related Skills	Reflective Thinking	Self-Directed Learning	Leadership Readiness/Qualities	Life-long Learning	Professional Skills	Experiential Learning	Employability Options	Decision making Skills	PSOI- ICT Skills
CLO-1 :	Gained knowledge about research project	2	80	80	H	L	H	M	L	M	M	M	M	M	M	M	M	L	L
CLO-2 :	Increased knowledge on research problem	2	75	70	H	L	M	L	L	L	H	H	H	H	H	H	H	L	L
CLO-3 :	Improved practice in review of literature	2	85	80	H	L	H	L	L	L	H	H	H	H	H	H	H	L	L
CLO-4 :	Well versed in data collection	3	80	75	H	H	H	L	L	L	H	H	H	H	H	H	H	L	H
CLO-5 :	Gained knowledge on statistical tools and project preparation	3	75	70	H	M	H	L	L	M	H	H	H	H	H	H	H	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		5	5	5	5	5
S-1 to S- 5	SLO-1	Topic selection	Review of literature	Research design	Data Collection and analysis	Interpretation and conclusion

INTERNSHIP PROJECT DESCRIPTION

GUIDELINES

- Project report is the compulsory component of the syllabus to bridge the gap between theory and practice.
- The field of specialization is Human Resources, Marketing, Finance and related commerce and management-based topics.
- The project work should be neatly presented in not less than 60 pages and not more than 100 pages
- Paper Size should be A4
- 1.5 spacing should be used for typing the general text. The general text shall be justified and typed in the Font style – (Font: Times New Roman / Font Size: 12 for text)

6. Subheading shall be typed in the Font style (Font: Times New Roman 1 / Font Size: 14 for headings) The report should be professionally prepared.
7. The candidate should submit periodical report of the project to the supervisor.
8. Two reviews will be conducted before the Viva Voce
9. Each candidate should submit hardcopy (3 copies) and a soft copy in CD to the Department. After the Evaluation of the project report one hard copy will be returned to the candidate
10. After the Evaluation of the project report one hard copy will be returned to the candidate.

EVALUATION SCHEME

Project Evaluation and viva voce – Internal Examiner – 50 Marks

Project Evaluation and viva voce – External Examiner – 50 Marks

TOTAL MARKS - 100 Marks

If a candidate fails to submit the Project Work or fails to appear for the Viva Voce Examination then the Candidate should submit or appear only in the next Viva Voce Examination.

Learning Assessment				
Internship	Continuous Learning Assessment (50% weightage)		Final Evaluation (50% weightage)	
	Review – 1	Review – 2	Project Report	Viva-Voce
	20%	30%	30%	20%

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
Dr.K.S Kamaludeen, Managing Director, Blue Bharath EXIM Pvt. Ltd, No 26 Ethiraj Salai Egmore Chennai. E-Mail: info@baccuracy.com.info	Dr.R.Shanthi, Professor, Department of Commerce, University of Madras, Chepauk Campus, Chennai. E-Mail: shanthi@unom.ac.in	1.Dr. K.Selvasundaram, Professor and Head, Dept. of CS an AF, FSH, SRMIST KTR.
		2.Dr.V.Deepa, Associate Professor and Head i/c, Dept. of Commerce (AF), CSH, SRMIST, RMP
		3.Dr.V.Venkatraghavan, Assistant Professor, Dept. of Commerce (AF), CSH, SRMIST, VDP.
		4.Dr. K. Karthikeyan K, Assistant Professor, Dept. of Commerce (CS&AF), FSH, SRMIST KTR.
		5.Mrs. S. Sivakavitha, K, Assistant Professor, Dept. of Commerce (CS&AF), FSH, SRMIST KTR

SEMESTER VI

Course Code	UEY23601J	Course Name	CAPITAL MARKET AND INVESTMENT ANALYSIS	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Understand the basics of capital markets		1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Learn various ways of analysing capital market indicators		Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Know about the credit rating agencies																			
CLR-4 :	Study different theories of capital markets and investments																			
CLR-5 :	Learn various instruments in derivative markets & Understand the working and performance of Indian capital market																			
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																		
CLO-1 :	Have a basic knowledge on the functions and framework of capital markets		2	85	80	H	H	M	H	H	H	L	L	L	L	L	M	L	L	H
CLO-2 :	Construct financial ratios and indices to analyse and forecast stock market performance		3	85	80	H	H	M	H	H	H	H	H	H	H	L	H	L	L	H
CLO-3 :	Understand credit rating given by agencies		2	85	80	H	H	M	H	H	H	L	L	L	L	L	M	L	L	H
CLO-4 :	Evaluate the trend in capital markets in different economic conditions		3	85	80	H	H	M	H	H	H	H	H	H	H	L	H	L	L	H
CLO-5 :	Perform stock market trading using various instruments & Deal with the issues in Indian capital market		3	85	80	H	H	M	H	H	H	H	H	H	H	L	H	L	L	H
			3	85	80	H	H	M	H	H	H	L	L	L	L	L	M	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
18		18	18	18	18	18
S-1	SLO-1	Introduction to capital markets	Fundamental analysis - Economic analysis	Theories of capital markets and investments	Introduction to derivate markets	Indian Capital Market
	SLO-2					
S-2	SLO-1	Capital Markets and its functions	Short term and long term forecasting	Efficient Market Hypothesis and random walk theory	Introduction to derivate markets	Evolution of the Indian Stock market
	SLO-2					
S-3	SLO-1	Capital Markets and its functions	analysis of macroeconomic indices	Markowitz Modern Portfolio Theory	Futures and options	Indian financial system
	SLO-2					
S4-6	SLO-1	Institutional framework of Capital Markets	key characteristics in Industry analysis	Markowitz Modern Portfolio Theory	historical evolution to these instruments	Structure, functions and regulatory framework
	SLO 2					
S-7	SLO 1	Institutional framework of Capital Markets	industry life cycle theory	Capital Asset pricing model	historical evolution to these instruments	SEBI
	SLO-2					
			Introduction to financial ratios			Mutual Funds

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-8	SLO-1	Investments versus speculation	earnings per share	Capital Asset pricing model	Difference between forwards and futures	Venture Capitalist
	SLO-2		Price Earnings ratio			
S-9	SLO-1	Investments versus speculation	applied stock valuation	capital market line	Difference between forwards and futures	Hedge Funds
	SLO-2		Technical analysis			Merchant Banking
S10-12	SLO-1	Investment categories	Fundamental versus Technical analysis	capital market line	Put and call options	Universal Banking
	SLO-2		market indicators forecasting individual stock performance			External commercial borrowing
S-13	SLO-1	Investment process	Dow theory-Price indicators-Volume indicators	Arbitrage pricing theory	determinants of option value	performance of Indian stock market
	SLO-2					
S-14	SLO-1	types of risk –systematic and unsystematic	credit balance theory-chart analysis	Arbitrage pricing theory	options positions and strategies	performance of Indian stock market
	SLO-2					
S-15	SLO-1	risk and return and its impact on investment decision	Credit rating-definition, types and functions	Chaos theory in the financial markets	Black Scholes model of option pricing	Current issues-scams and international financial crises
	SLO-2					
S16-18	SLO-1	risk and return and its impact on investment decision	International and Indian agencies	Chaos theory in the financial markets	Interest and currency Swaps	Current issues-scams and international financial crises
	SLO-2					

Learning Resources/ Reference books	1. F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, Foundations of Financial Markets and Institutions, Pearson Education, 3rd edition, 2009.	5. Johnson, H.S, financial institutions and Markets, McGraw Hill, New Delhi, 1993. 6. Fama, E.F. and Miller, M. H., “Theory of Finance”, H.Y. Hold, Rinehart and Winston, 1972. 7. Hull, J., “Options, Futures and Other Derivative Securities”, Upper Saddle River, N. J., Prentice Hall, 6th edition, 2006, ISBN 013149908-4. 8. Financial dailies: Livemint and Economic Times.
	2. Khan, M.Y., Indian Financial system, Tata McGraw Hill, New Delhi 1996. 3. Donald E. Fischer, Ronald J. Jordan, Security Analysis and Portfolio Management, Prentice Hall, 6 th edition, 2006. 4. Richard Pike and Bill Neate, Corporate Finance and Investment (Decisions and Strategies), Prentice Hall of India Private Limited, New Delhi (1999).	

	Bloom’s Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
<ol style="list-style-type: none"> 1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai. 	<ol style="list-style-type: none"> 1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai. 	<ol style="list-style-type: none"> 1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23602J	Course Name	EXPERIMENTAL ECONOMICS	Course Category	C	Discipline Specific Core Course	L 3	T 0	P 3	O 2	C 4
-------------	-----------	-------------	------------------------	-----------------	---	---------------------------------	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:			Learning			Program Learning Outcomes (PLO)																													
CLR-1 :	Learn the preliminaries of Experimental Economics				Level of Thinking (Bloom)	2	Expected Proficiency (%)	3	Fundamental Knowledge	2	Application of Concepts	3	Link with Related Disciplines	4	Procedural Knowledge	5	Skills in Specialization	6	Ability to Utilize Knowledge	7	Skills in Modeling	8	Analyze, Interpret Data	9	Investigative Skills	10	Problem Solving Skills	11	Communication Skills	12	Analytical Skills	13	ICT Skills	14	Leadership Skills	15	Life Long Learning
CLR-2 :	Study the methods of conducting experiments																																				
CLR-3 :	Know the contributions of different economists to Experimental Economics																																				
CLR-4 :	Understand the principles of experiments and experimental design																																				
CLR-5 :	Understand major areas of Experimental Economics																																				
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:			2	85	80	H	H	M	H	H	H	H	H	L	L	H	H	H	H	H	H	L	L	L	H	L	L	L	L	L	L	L	H		
CLO-1 :	Understand the basic terminologies in Experimental Economics				3	85	80 <td colspan="15"></td>																														
CLO-2 :	Conduct different types of experiments				3	85	80 <td colspan="15"></td>																														
CLO-3 :	Identify the social issues in experiments				3	85	80 <td colspan="15"></td>																														
CLO-4 :	Know the theories of Experimental Economics				2	85	80 <td colspan="15"></td>																														
CLO-5 :	Conduct randomized control trials & Perform Experimental research in the major areas of Economics				3	85	80 <td colspan="15"></td>																														
					3	85	80 <td colspan="15"></td>																														

Duration (hour)	Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
	18	18	18	18	18
S-1	SLO-1 SLO-2	Nature and scope of Experimental Economics	Methods of conducting experiments	Early contributors: Daniel and Nicholas Bernoulli (18th century)	Principles of economic experiments: Realism and models
S-2	SLO-1 SLO-2	Early history of experimental economics	laboratory experiments: artificial and artefactual aspects of laboratories	LL Thurstone (1931) Edward Chamberlin (1933, 1948)	Principles of economic experiments: Realism and models
S-3	SLO-1 SLO-2	Three paradoxes in Utility theory	field and natural experiments: Advantages and Challenges strategies of conducting experiment	Stephen Rousses and Albert Hart (1951) F. Masteller, F. and P. Noguee, P (1951)	Controlled economic environments
S4-6	SLO-1 SLO 2	Three paradoxes in Utility theory	Games and decision-making: monetised experiments	J von Neumann and Oscar Morgenstern (1944, 1954) H Sauer Mann (1959, 1960)	Induced value theory
S-7	SLO 1 SLO-2	The history of consumer choice theory	social preference experiments: cooperation, trust and reciprocity, fairness and altruism	D Davidson and J Marschke (1959) S. Siegel and LE Fourier (1960)	Parallelism

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
18		18	18	18	18	18
S-8	SLO-1	The history of consumer choice theory	individual preference experiments: time and risk	Joseph Bower (1965)	Practical applications and von Hayek hypothesis	Bargaining experiments and auctions
	SLO-2		Market-related experiments: auctions and asset markets	C. Bruno (1968)		
S-9	SLO-1	Anomalies in main-stream economics: Endowment effect, Loss aversion, Status quo bias	non-monetized experiments: case studies	Modern times Contributors: Vernon Smith	Experimental design	Experiments in industrial organization
	SLO-2		Choice under uncertainty: lotteries	Daniel Kahneman		
S10-12	SLO-1	Anomalies in main-stream economics: Endowment effect, Loss aversion, Status quo bias	expected utility theory, Allais paradox, subjective probability	Alvin Roth	Direct experimental control: Constant and treatments	Experiments in industrial organization
	SLO-2			Richard Thaler		
S-13	SLO-1	Ultimatums, Dictators and Manners, Winner's curse, Prisoner's dilemma	Interdisciplinary theories and economics experiments: Prospect theory, Social identity theory	Colin Camerer	Indirect control: Randomization	Experiments in industrial organization
	SLO-2			Reihner Seiten		
S-14	SLO-1	Philosophy of experimental economics	Non-standard experiments: Common pool resource experiment	Amos Tversky	The within-subjects design as an example of blocking and randomization	Experiments in industrial organization
	SLO-2					
S-15	SLO-1	Micro-economic system as an experimental science	Gift Exchange - Lying and deception – Discrimination – Competition - Self-Serving Bias and Self-Signaling	Amos Tversky	other efficient designs	Experimental asset markets
	SLO-2					
S16-18	SLO-1	Micro-economic system as an experimental science	Social Issues in Economic Experiments: Gender and Social Preferences	Charles Holt	Introduction to the major Laboratories of experimental economics: ICES (George Mason), XS-FS (Florida), XLAB (UC Berkeley), Camerer's Group (Caltech), EEPS (Caltech), SSEL (Caltech), PEEL (Pittsburgh)	Experimental asset markets
	SLO-2		Leadership, punishment and cooperation - Peer Effects – Beliefs - Endowment Effect			

Learning Resources/ Reference books	1. Friedman, D. and S. Sunder (1994): Experimental Methods: A Primer for Economists, CUP.	4. Bardsley and others (2010). Experimental Economics, Princeton University Press. 5. Friedman and Sunder (1994). Experimental methods: A Primer for Economists, Cambridge University Press 6. Thaler R.H. (1994), Anomalies: The Winner's Curse: Paradoxes and Anomalies of Economic Life, Princeton University Press
	2. Kagel, J.H. and A.E. Roth (eds.) (1997): The Handbook of Experimental Economics, Princeton Univ. Press. 3. Gupta, Gautam (2015). An Introduction to Experimental Economics, Orient Blackswan	

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#		Theory	Practice
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice		
Level 1	Remember Understand	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
Level 2	Apply Analyze	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
Level 3	Evaluate Create	15%	15%	15%	15%	15%	15%	15%	15%	30%	-

Total	100 %	100 %	100 %	100 %	100 %
-------	-------	-------	-------	-------	-------

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
<ol style="list-style-type: none"> 1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai. 	<ol style="list-style-type: none"> 1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai. 	<ol style="list-style-type: none"> 1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23603T	Course Name	RESEARCH METHODOLOGY AND DATA ANALYSIS	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							4	0	0	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:
CLR-1 :	Study the fundamentals of Economic research
CLR-2 :	Understand the process and design of research
CLR-3 :	Learn the sampling techniques and data collection methods
CLR-4 :	Study statistical estimation and hypothesis testing
CLR-5 :	Learn report writing and presentation & Create awareness on research ethics

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
CLO-1 :	Identify different types of research
CLO-2 :	Apply suitable research methodology
CLO-3 :	Use primary and secondary data collection methods
CLO-4 :	Carry out estimation and hypothesis testing using softwares
CLO-5 :	Write research reports in standard format & Deal with the ethical issues in research

Learning		
1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
3	85	80
2	85	80
2	85	80
3	85	80
3	85	80
3	85	80

Program Learning Outcomes (PLO)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
H	H	H	H	H	H	M	M	H	H	L	H	L	L	H
H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
H	H	H	H	H	H	H	H	H	H	L	H	L	L	H
H	H	H	H	H	H	H	H	H	H	L	H	L	L	H
H	H	H	H	H	H	L	L	L	L	L	L	L	L	H
H	H	H	H	H	H	L	L	L	L	L	L	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		12	12	12	12	12
S-1	SLO-1	Fundamentals of Research	Research Process	Probability and non- probability sampling techniques	Estimation	Research report
	SLO-2	Research-meaning			Qualities of a good estimation	Types of reports
S-2	SLO-1	nature-significance	Research problem Identification	sample size	Criteria for selecting estimation	Style of reporting
	SLO-2	objectives-utilities				Qualities of a good report
S-3	SLO-1	Principles of scientific research	Identifying research gap	sampling errors	Methods of estimation, point and interval estimation	Documentation
	SLO-2					Citation
S-4	SLO-1	Scientific Methods-Induction, Deduction	setting of objectives and hypotheses	sources of collection of Data	confidence interval	Footnotes
	SLO 2					References
S-5	SLO 1	Qualities of a good researcher	identifying the variables-dependent, independent and intervening Variables	Techniques and tools for data Collection	determination of sample size in estimation	Bibliography
	SLO-2					APA and MLA Format
S-6	SLO-1	Research Methods	identifying the variables-dependent, independent and intervening Variables	Primary Data – Case Study Method – Survey Research	Testing of Hypothesis	Research Ethics
	SLO-2					Research Ethics
S-7	SLO-1	Types of Research-Fundamental, Applied, Policy, Exploratory, Descriptive, Predictive, Analytical, Historical	Research Design	Sample Selection – Sampling Design – Questionnaire	Need and Significance of Hypotheses	Ethical issues in research
	SLO-2					Ethical issues in research

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		12	12	12	12	12
S-8	SLO-1	Types of Research-Fundamental, Applied, Policy, Exploratory, Descriptive, Predictive, Analytical, Historical	Cross sectional and Time series	Sample Selection – Sampling Design – Questionnaire	Formulation, Types of hypotheses	Plagiarism – Plagiarism checkers
	SLO-2					Plagiarism – Plagiarism checkers
S-9	SLO-1	Types of Research-Fundamental, Applied, Policy, Exploratory, Descriptive, Predictive, Analytical, Historical	steps in developing a research design	Classification and Tabulation – Diagrammatic Representation	errors in testing Hypotheses-Type-I and Type-II errors	Salami Slicing
	SLO-2					Salami Slicing
S-10	SLO-1	Types of Research-Fundamental, Applied, Policy, Exploratory, Descriptive, Predictive, Analytical, Historical	research design for descriptive, analytical, empirical and experimental research	Classification and Tabulation – Diagrammatic Representation	one tailed and two tailed tests	Falsification
	SLO-2				level of Significance	Falsification
S-11	SLO-1	Methods of Investigation-Library, Case study, survey, Field study, Experimental, Evaluation, Action, Diagnostic, Ex-post Facto Research; Quantitative and Qualitative research	research design for descriptive, analytical, empirical and experimental research	Secondary Data – Sources of data for India and the world	Parametric tests - Non-parametric tests	Fabrication
	SLO-2					Fabrication
S-12	SLO-1	Methods of Investigation-Library, Case study, survey, Field study, Experimental, Evaluation, Action, Diagnostic, Ex-post Facto Research; Quantitative and Qualitative research	qualities of a good research design	Pre-testing and Pilot study	Application of Software to Economic Research	Duplicate Submission
	SLO-2					Data Manipulation

Learning Resources/ Reference books	1. S. Kevin, Research Methodology for Social Sciences, Ane Books Pvt. Ltd, New Delhi, 2019. 2. Krishnaswamy O.R, Research Methodology in Social Sciences 3. Kothari C. R, Research Methodology: Methods and Techniques 4. Sharma R, N& Sharma R.K, Research Methods in Social Science 5. John W. Best and James V. Khan, Research in Education 6. Singh A.K., Tests, Measurements and Research Methods in Behavioural Sciences. 7. Sana Loue, Text book of Research Ethics: Theory and Practice, Course back 8. Deni Elliott & Judie Stern, Research Ethics: A Reader, Course back.
--	--

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	40%	-	40%	-	40%	-	40%	-	40%	-
	Analyze										
Level 3	Evaluate	30%	-	30%	-	30%	-	30%	-	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
<ol style="list-style-type: none"> 1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai. 	<ol style="list-style-type: none"> 1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai. 	<ol style="list-style-type: none"> 1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23D03J	Course Name	AGRICULTURAL ECONOMICS	Course Category	D	Discipline Specific Elective Course	L 3	T 0	P 2	O 2	C 4
-------------	-----------	-------------	------------------------	-----------------	---	-------------------------------------	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:
CLR-1 :	Learn the role of agriculture in economic development
CLR-2 :	Study the theories on agriculture
CLR-3 :	Have an idea on agricultural marketing
CLR-4 :	Have a knowledge about agricultural financing
CLR-5 :	Develop awareness about sustainable agriculture & Have a knowledge on the WTO and Agreement on Agriculture

Learning		
1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
2	85	80
3	85	80
3	85	80
3	85	80
3	85	80
2	85	80

Program Learning Outcomes (PLO)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
H	H	L	L	H	H	L	L	L	L	L	L	L	L	H
H	H	L	L	H	H	L	L	L	L	L	L	L	L	H
H	H	L	L	H	H	L	L	L	L	L	L	L	L	H
H	H	L	L	H	H	L	L	L	L	L	L	L	L	H
H	H	L	L	M	H	L	L	L	L	L	L	L	L	H
H	H	L	L	M	H	L	L	L	L	L	L	L	L	H

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
CLO-1 :	Assess agricultural policies for economic development
CLO-2 :	Utilize agricultural theories for efficient agricultural production
CLO-3 :	Make use of different techniques of agricultural marketing
CLO-4 :	Better mobilize funds for agriculture
CLO-5 :	Contribute to millennium development goals & Understand the impact of international issues on agriculture

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-1	SLO-1	Nature and role of agriculture in economic development	Theories of Agricultural Development	Agricultural Markets and Marketing Efficiency	Role of Capital and Rural Credit	Sustainable Agriculture
	SLO-2		Transformation of traditional agriculture	Marketing functions and costs		Indigenous Practices
S-2	SLO-1	Farm Organisation	Mellor's Theory of Agricultural Development	Market Structure and Imperfections	Organized and Unorganized Capital Market	Green Revolution
	SLO-2			Regulated Markets		
S-3	SLO-1	Agricultural Production	Boserup's Theory of Agricultural Growth	Marketed and marketable surplus	Rural savings and Capital formation	Bio-technological practices and growth potential
	SLO-2			Behaviour of Agricultural Prices		
S4-5	SLO 2	Agri-based and Agro-based markets	Fei-Ranis, Dale Jorgenson and Schultz Theory of Transformation of Traditional Agriculture	Cobweb model	Characteristics and sources of rural credit	Agri-technology start-ups
S-6	SLO 1 SLO-2	Agri-based and Agro-based markets	Lewis model	Cobweb model	Institutional and non-institutional	Genetically Modified Crops (GMO)

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-7	SLO-1	Inter-sectoral linkages of Agriculture	Agricultural Production and Productivity	Price and Income Stability	Reorganization of rural credit	Organic farming
	SLO-2		Resource use and efficiency			
S-8	SLO-1	Inter-sectoral linkages of Agriculture	Production Function Analysis in Agriculture	State Policy with respect to agricultural marketing; Warehousing; Prices; Taxation and crop insurance	Reorganization of rural credit	Problems and prospects of Indian Agriculture with specific focus on Globalization of Indian Economy
	SLO-2		Cobb-Douglas Production Function			
S9-10	SLO-1	Inter-sectoral linkages of Agriculture	Factor combination and resource substitution	Need for State intervention; Objectives of Agricultural Price Policy	Cooperation in India Cooperative movement	Issues in Liberalization of domestic and international trade in agriculture
	SLO-2		Cost and supply curves			
S 11	SLO-1	Inter-sectoral linkages of Agriculture	Size of the farm and laws of returns	Instruments and evaluation; Food Security in India and Public Distribution System (PDS); Minimum Support Price	Cooperation in India Cooperative movement	Issues in Liberalization of domestic and international trade in agriculture
	SLO-2					
S-12	SLO-1	Efficiency of irrigation and fertilizers on agricultural production	Farm budgeting and cost concepts	Role of farm subsidies - Farmer suicides	Problems and prospects of Cooperative Institutions	WTO and Agreement on Agriculture (AOA)
	SLO-2					
S-13	SLO-1	Efficiency of irrigation and fertilizers on agricultural production	Technical change labour absorption	Role of farm subsidies - Farmer suicides	Commercial Banks	Impact of World Trade Organisation on Indian Agriculture
	SLO-2					
S14-15	SLO-1	Efficiency of irrigation and fertilizers on agricultural production	Technical change labour absorption	Role of farm subsidies - Farmer suicides	Regional Rural Banks	Impact of World Trade Organisation on Indian Agriculture
	SLO-2				Role of NABARD	

Learning Resources/ Reference books	<ol style="list-style-type: none"> 1. Agricultural Statistics at a Glance (2010), Directorate of Economics and Statistics, Ministry of Agriculture, Government of India, New Delhi. 2. Bhaduri, A. (1984), The Economic Structure of Backward Agriculture, Macmillan, Delhi. 3. Bilgrami, S.A.R. (1996), Agricultural Economics, Himalaya Publishing House, Delhi. 4. Dantwala, M.L. et.al (1991), Indian Agricultural Development Since Independence, Oxford & IBH, New Delhi. 5. Gulati, A. and T. Kelly (1999), Trade Liberalization and Indian Agriculture, Oxford University Press, New Delhi. 6. Kahlon, A.S. and Tyagi D.S. (1983), Agriculture Price Policy in India, Allied Publishers, New Delhi. 7. Rudra, A. (1982), Indian Agricultural Economics: Myths and Reality, Allied Publishers, New Delhi. 8. Saini, G.R. (1979), Farm Size, Resource Use Efficiency and Income Distribution, Allied Publishers, New Delhi. Page 30 of 86 9. Acharya and Agarwal (1987), Agricultural Marketing in India, Oxford & IBH Publishing Company. 10. Agricultural Research Data Book (2009), Indian Agricultural Statistics Research Institute, Pusa, New Delhi 110 012 11. Agricultural Statistics at a Glance (2010), Directorate of Economics and Statistics, Ministry of Agriculture, Government of India, New Delhi. 12. Bhalla, G. S. and Singh G., (2001), Indian Agriculture: Four Decades of Development, Sage Publications. 13. Bhalla, G.S., (2007), Indian Agriculture since Independence, National Book Trust, India. 14. Chadha, G.K.; S. Sen and H.R. Sharma, (2004), Land Resources, State of the Indian Farmer, Vol. 2, Academic Foundation, New Delhi. 15. Dantwala, M. L. et al (1991), Indian Agricultural Development since Independence: A Collection of Essays, Oxford & IBH Publishing Co., New Delhi. 16. Dhawan, B. D., 1988, Irrigation in India's Agricultural Development, Sage Publications Pvt. Ltd.

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice

Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23D04J	Course Name	BEHAVIOURAL ECONOMICS	Course Category	D	Discipline Specific Elective Course	L 3	T 0	P 2	O 2	C 4
-------------	-----------	-------------	-----------------------	-----------------	---	-------------------------------------	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:
CLR-1 :	Study the fundamentals of Behavioural Economics
CLR-2 :	Learn decision making under risk
CLR-3 :	Study about making inter-temporal choices
CLR-4 :	Learn applications of Behavioural Economics in practical life
CLR-5 :	Learn decision making using game theory & Study about strategic interactions

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
CLO-1 :	Know about rationality in Behavioural Economics
CLO-2 :	Make decisions under risk
CLO-3 :	Make choices over time using present and future values
CLO-4 :	Apply Behavioural Economics in real life situations
CLO-5 :	Undertake randomized control trials & Make use of Behavioural Economics in public policy formulation

Learning		
1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
2	85	75
3	85	75
3	85	75
3	85	75
2	85	75

Program Learning Outcomes (PLO)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
H	H	M	L	M	H	L	L	L	L	L	L	L	L	H
H	H	M	L	M	H	L	L	H	H	L	H	L	L	H
H	H	M	L	M	H	L	L	H	H	L	H	L	L	H
H	H	M	L	M	H	L	L	H	H	L	H	L	L	H
H	H	M	L	M	H	L	H	H	H	L	H	L	L	H
H	H	M	L	M	H	L	L	L	L	L	L	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-1	SLO-1	Unrealistic assumptions of economics	Standard model	Discounted utility model	Choice Architecture	Strategies
	SLO-2					
S-2	SLO-1	Neo-classical economics	Heuristics	Exponential discounting	Choice Architecture	Fairness
	SLO-2					
S-3	SLO-1	Assumptions on rationality and optimization	Anchoring and Adjustment heuristics	Hyperbolic discounting	Nudge - Social Nudge as Choice Architecture	Trust
	SLO-2					
S4-5	SLO-1	behavioural economics - origin - developments	Availability heuristics	Hyperbolic discounting	Nudge - Social Nudge as Choice Architecture	Cooperation
	SLO 2					
S-6	SLO 1	unbounded vs bounded rationality	Representativeness heuristics	Savings - Automatic Savings vs Forced Contributions	Priming	Reciprocity
	SLO-2					
S-7	SLO-1	Rationality in Psychology and Economics	Biases - Optimism and overconfidence	Savings - Automatic Savings vs Forced Contributions	Mapping from Choice to Welfare	Altruism
	SLO-2					
S-8	SLO-1	Duel System theory	Status Quo bias - Framing - Confirmation bias - Endowment bias	Savings - Automatic Savings vs Forced Contributions	Mapping from Choice to Welfare	Game Theory
	SLO-2					
S9-10	SLO-1	Duel System theory	Status Quo bias - Framing - Confirmation bias - Endowment bias	Savings - Automatic Savings vs Forced Contributions	Behavioural Labour Economics	Cooperative and Non-cooperative games
	SLO-2					One-shot and Repeated games

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-11	SLO-1	Prospect theory	Self control and Mental Accounting	Naive Investments and Rules of Thumb	Behavioural Finance	Behavioural Economics expressed as games
	SLO-2					Prisoner's Dilemma and other games
S-12	SLO-1	Prospect theory	Self control and Mental Accounting	Naive Investments and Rules of Thumb	Behavioural Economics and Effective Taxation	Decision-making through Nash Equilibrium
	SLO-2					
S-13	SLO-1	Methodology of study - theories - evidence - consilience	Fallacies - Conjunction fallacies - Disjunction fallacies - Gambler's fallacies	Naive Investments and Rules of Thumb	Behavioural Economics and Public Policy - Poverty - Health - Education - Climate change	Laboratory experiments
	SLO-2					Field experiments
S14-15	SLO-1	Methodology of study - theories - evidence - consilience	Fallacies - Conjunction fallacies - Disjunction fallacies - Gambler's fallacies	Naive Investments and Rules of Thumb	Behavioural Economics and Public Policy - Poverty - Health - Education - Climate change	Randomized Control Trails
	SLO-2					

Learning Resources/ Reference books	1. Wilkinson, Nick & Matthias Klaes, 2012: <i>An Introduction to Behavioral Economics</i> , 2 nd Ed. Palgrave Macmillan Publishers.	3. Thaler, Richard H., 2015: <i>Misbehaving: The Making of Behavioral Economics</i> , W.W.Norton & Company Publishers
	2. Tomer, John F., 2017: <i>Advanced Introduction to Behavioral Economics</i> , Edward Elgar Publishers	
		4. Thaler, Richard H. & Cass R. Sunstein, 2008: <i>Nudge: Improving Decisions about Health, Wealth and Happiness</i>

	Bloom’s Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR.

Course Code	UEY23G04J	Course Name	ACTUARIAL SCIENCE	Course Category	G	Generic Elective Course	L	T	P	O	C
							3	0	2	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Understand life insurance and annuity contracts		1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Learn the mathematical theory of life contingencies		Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Familiarize the joint life probabilities																			
CLR-4 :	Study Multiple-Decrement theory																			
CLR-5 :	Learn pension fund Mathematics & Understand principal forms of heterogeneity within a population																			
Course Learning Outcomes (CLO):			At the end of this course, learners will be able to:																	
CLO-1 :	Have an idea of pricing of life insurance contracts		3	85	75															
CLO-2 :	Solve advance problems in mathematical theory of life contingencies		3	80	85															
CLO-3 :	Identify joint life probabilities of annuities and insurances		3	80	75															
CLO-4 :	Assess the profitability for all types of contracts and pensions		3	85	75															
CLO-5 :	Apply different mortality tables for different lives & Classify risks of life insurnace		3	85	80															
			3	75	80															

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-1	SLO-1	Life Assurance and Annuity	Mathematical Theory of Life Contingencies	Joint life probabilities	Multiple decrement theory	Variations in mortality and morbidity
	SLO-2	Contracts				
S-2	SLO-1	Pricing of life insurance contracts	Advance Problems in mathematical theory of life contingencies	Joint life probabilities	Multiple decrement theory	expected cash flow dependent upon more than one decrement
	SLO-2					
S-3	SLO-1	equations of value	force of mortality; laws of mortality	annuities and insurances	pension fund mathematics	main forms of selection-temporary initial selection, time and class selections, spurious and adverse selection
	SLO-2					
S4-5	SLO-1	allowance for investment income	premiums and reserves for insurance and annuities based on a single life	annuities and insurances	pension fund mathematics	main forms of selection-temporary initial selection, time and class selections, spurious and adverse selection
	SLO 2					
S-6	SLO 1	present value random variable	sums and integrals for mean and variance of present value of benefit payments	annuities and insurances	pension fund mathematics	different mortality tables for different lives
	SLO-2					
S-7	SLO-1	expected present value	annuities payable in advance and in arrears	cash flow dependent upon death or survival of either or both of two lives	pension fund mathematics	different mortality tables for different lives
	SLO-2					

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-8	SLO-1	variance of the present value	temporary and deferred and whole lifetime annuities	cash flow dependent upon death or survival of either or both of two lives	techniques of discounting emerging cost, for use in pricing, reserving and assessing profitability for all contract types and for pensions	risk classification of life insurance
	SLO-2					
S9-10	SLO-1	random variable for life assurance contracts	net premiums and reserves	cash flow dependent upon death or survival of either or both of two lives	techniques of discounting emerging cost, for use in pricing, reserving and assessing profitability for all contract types and for pensions	risk classification of life insurance
	SLO-2					
S-11	SLO-1	life assurance benefits payable immediately on death	net premiums and reserves	competing risks	expected cash flow dependent upon more than one decrement	genetic information of risk classification in life insurance
	SLO-2	claim acceleration approximation				
S-12	SLO-1	life annuity contracts: immediate annuity; annuity-due	prospective and retrospective reserves	competing risks	expected cash flow dependent upon more than one decrement	genetic information of risk classification in life insurance
	SLO-2	temporary annuity; temporary annuity-due				
S-13	SLO-1	temporary annuity; temporary annuity-due	Gross and net premium reserves	transition intensities for given dependent probability	expected cash flow dependent upon more than one decrement	directly and indirectly standardized mortality rates
	SLO-2	deferred annuities; deferred annuities-due				
S14-15	SLO-1	continuous annuities	profit contracts	transition intensities for given dependent probability	expected cash flow dependent upon more than one decrement	directly and indirectly standardized mortality rates
	SLO-2					

Learning Resources/ Reference books	1. Gerber, H.U., Life Insurance Mathematics, Springer, third edition, 1997	3. Neil, A., Life Contingencies, Heinemann, 1977
	2. Booth, P.M. (et al.), Modern Actuarial Theory and Practice, Chapman and Hall, 1999	
		4. Newton bowers (et al.), Actuarial Mathematics, Society of Actuaries, second edition, 1997

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
<ol style="list-style-type: none"> 1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai. 	<ol style="list-style-type: none"> 1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai. 	<ol style="list-style-type: none"> 1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23P04L	Course Name	MINI PROJECT	Course Category	IAPC	Internship/Apprenticeship / Project/ Community Outreach	L	T	P	O	C
							0	0	4	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil	Course Offering Department	Accounting and Finance	Data Book / Codes/Standards	Nil
-----------------------	-----	----------------------	-----	---------------------	-----	----------------------------	------------------------	-----------------------------	-----

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	To give idea about research project	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	To identify the research problem																		
CLR-3 :	To review of literature																		
CLR-4 :	To give idea about data collection																		
CLR-5 :	To understand knowledge on statistical tools																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Communication Skills	Critical Thinking	Problem Solving	Analytical Reasoning	Research Related Skills	Reflective Thinking	Self-Directed Learning	Leadership Readiness/Qualities	Life-long Learning	Professional Skills	Experiential Learning	Employability Options	Decision making Skills	PSOI- ICT Skills
CLO-1 :	Gained knowledge about research project	2	85	80	H	H	L	-	-	M	M	H	M	M	H	H	H	M	H
CLO-2 :	Increased knowledge on research problem	2	80	70	H	H	H	L	L	H	M	M	H	H	H	M	H	M	H
CLO-3 :	Improved practice in review of literature	3	75	75	H	H	M	L	L	H	M	M	M	H	H	M	H	H	H
CLO-4 :	Well versed in data collection	3	80	75	H	H	M	H	H	H	M	H	H	H	H	M	H	H	H
CLO-5 :	Implement knowledge on statistical tools and Proficiency in project preparation	3	75	70	H	H	H	H	H	H	H	M	M	H	H	M	H	H	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		12	12	12	12	12
S-1 to S-12	SLO-1	Topic selection	Review of literature	Research design	Data Collection and analysis	Interpretation and conclusion

GUIDELINES

- Project report is the compulsory component of the syllabus to bridge the gap between theory and practice.
- The field of specialization is Human Resources, Marketing, Finance and related commerce and management-based topics.
- The project work should be neatly presented in not less than 60 pages and not more than 100 pages
- Paper Size should be A4
- 1.5 spacing should be used for typing the general text. The general text shall be justified and typed in the Font style – (Font: Times New Roman / Font Size: 12 for text)
- Subheading shall be typed in the Font style (Font: Times New Roman 1 / Font Size: 14 for headings) The report should be professionally prepared.
- The candidate should submit periodical report of the project to the supervisor.
- Two reviews will be conducted before the Viva Voce
- Each candidate should submit hardcopy (3 copies) and a soft copy in CD to the Department. After the Evaluation of the project report one hard copy will be returned to the candidate
- After the Evaluation of the project report one hard copy will be returned to the candidate.

EVALUATION SCHEME

Project Evaluation and viva voce – Internal Examiner – 50 Marks

Project Evaluation and viva voce – External Examiner – 50 Marks

TOTAL MARKS - 100 Marks

If a candidate fails to submit the Project Work or fails to appear for the Viva Voce Examination then the Candidate should submit or appear only in the next Viva Voce Examination

Learning Assessment				
Mini-Project	Continuous Learning Assessment (50% weightage)		Final Evaluation (50% weightage)	
	Review – 1	Review – 2	Project Report	Viva-Voce
	20%	30%	30%	20%

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
Dr.K.S Kamaludeen, Managing Director, Blue Bharath EXIM Pvt. Ltd, No 26 Ethiraj Salai Egmore Chennai. E-Mail: info@baccuracy.com.info	Dr.R.Shanthi, Professor, Department of Commerce, University of Madras, Chepauk Campus,Chennai. E-Mail: shanthi@unom.ac.in	1.Dr. K.Selvasundaram, Professor and Head, Dept. of CS an AF, FSH, SRMIST KTR.
		2.Dr.V.Deepa,Associate Professor and Head i/c, Dept. of Commerce (AF), CSH,SRMIST, RMP
		3.Dr.V.Venkatraghavan, Assistant Professor, Dept. of Commerce (AF), CSH,SRMIST, VDP.
		4.Dr. K. Karthikeyan K, Assistant Professor, Dept. of Commerce (CS&AF), FSH, SRMIST KTR.
		5. Dr. Thinesh Kumar M, Assistant Professor, Dept. of Commerce (CS&AF), FSH, SRMIST KTR

SEMESTER VII

Course Code	UEY23701J	Course Name	FINANCIAL ECONOMETRICS	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
		1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-1 :	Learn times series forecasting	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-2 :	Study modelling of stationary time series				H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLR-3 :	Study modelling of non-stationary time series				H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLR-4 :	Learn modelling of volatility clustering				H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLR-5 :	Learn static and dynamic panel data models & Learn to run financial econometric models using softwares				H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:																		
CLO-1 :	Identify stationary and non-stationary time series	2	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-2 :	Forecast financial time series	3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-3 :	Use VAR and VECM models in financial data analysis	3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-4 :	Estimate ARCH and GARCH models for volatility clustering	3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
CLO-5 :	Use suitable panel data models in financial data analysis & Run financial econometric models in statistical softwares	3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H
		3	85	80	H	H	H	H	H	H	H	H	H	H	L	H	H	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1	Univariate Time-series Models	Multivariate and Multiple Equation Models	Modelling Non-Stationary Time-series processes	Volatility-Meaning and measurement	Introduction to panel data
	SLO-2					
S-2	SLO-1	Introduction to stationary processes	Need for multivariate model	Deterministic and stochastic trends	Volatility clustering	pooled repeated cross-section model
	SLO-2					
S-3	SLO-1	autocovariance functions	Autoregressive Distributive Lag Models	Integrated process and random walk	Econometric models of volatility	within and between estimators
	SLO-2					
S4-6	SLO-1	autocorrelation and partial autocorrelation	Simultaneity and need for Vector autoregressive (VAR) models	random walk with drift	Econometric models of volatility	one- way fixed effects model
	SLO 2					
S-7	SLO 1	autoregressive and moving average models	Testing for order of VAR models	Unit root and tests for unit root	Conditional heteroscedasticity in ARMA models	fixed effects model using least squares dummy variable approach
	SLO-2					
S-8	SLO-1	conditions for stationary and invertible process	Block significance and tests for causality including Granger causality	Dickey-Fuller and Augmented Dickey Fuller tests	Estimation and Testing for ARCH and GARCH models for volatility clustering in economic time-series	first difference estimator
	SLO-2					
S-9	SLO-1	Box-Jenkins approach, forecasting	Forecasting	Unit Roots and Structural Breaks		random effects model

Duration (hour)	Learning Unit / Module 1		Learning Unit / Module 2		Learning Unit / Module 3		Learning Unit / Module 4		Learning Unit / Module 5	
	18		18		18		18		18	
	SLO-2				Unit roots in regression residuals and spurious regression		Estimation and Testing for ARCH and GARCH models for volatility clustering in economic time-series			
S10-12	SLO-1	Box-Jenkins approach, forecasting	Impulse response function		Cointegration and its testing using Engel-Granger method	Lead-lag and Long Run relationships	Estimation and Testing for ARCH and GARCH models for volatility clustering in economic time-series		time fixed effects	
	SLO-2				Tests of hypothesis for pooled or fixed effects model					
S-13	SLO-1	Box-Jenkins approach, forecasting	Variance decomposition		Characteristic Root, Rank and Cointegration	Testing for and estimating cointegrating systems using the Johansen method based on VARs	multivariate regression models and conditional heteroscedasticity		pooled and or random effects models (Breusch-Pagan Lagrange Multiplier Test) and fixed or random effects (Hausman test)	
	SLO-2				Introduction to dynamic Panel data models					
S-14	SLO-1	Econometric modelling using softwares	Variance decomposition		Vector Error Correction Models		multivariate regression models and conditional heteroscedasticity		Arellano and Bond Estimator	
	SLO-2								The Arellano and Bover Estimator	
S-15	SLO-1	Econometric modelling using softwares	Econometric modelling using softwares		Econometric modelling using softwares		Asymmetric GARCH models-GJR model and EGARCH		The Blundell and Bond System GMM Estimator	
	SLO-2									
S16-18	SLO-1	Econometric modelling using softwares	Econometric modelling using softwares		Econometric modelling using softwares		Econometric modelling using softwares		Econometric modelling using softwares	
	SLO-2									

Learning Resources/ Reference books	1. Pattersan Kerry (2000), An Introduction to Applied Econometrics: A Time Series Approach, 2. Baltagi, Badi. Econometric Analysis of Panel Data, 5th Edition, Wiley, 2013. 3. Brooks, C., Introductory Econometrics for Finance, 3rd Edition, Cambridge Uni Press, 2014.					4. Enders, W., Applied Econometric Time Series, 2nd edition, John Wiley & Sons 2006. 5. Hamilton, J. D., Time Series Analysis, Princeton University Press, 1994. 6. Pesaran, H.M. Time Series and Panel Data Econometrics, Oxford University Press, 2015				

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23D05J	Course Name	SOCIAL ECONOMICS	Course Category	D	Discipline Specific Elective Course	L	T	P	O	C
							3	0	3	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:
CLR-1 :	Create an understanding of the significance of social Economics
CLR-2 :	Have a knowledge on the human capital and education
CLR-3 :	Familiarize with the health aspects of human capital
CLR-4 :	Know about the human capital and labour market
CLR-5 :	Gain knowledge on self help groups & Study the Economics of crime

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
CLO-1 :	Have an idea about equality and poverty
CLO-2 :	Identify importance of human capital
CLO-3 :	Understand the role of health and education in economic development
CLO-4 :	Assess the labour market
CLO-5 :	Know the working of self help groups & Find remedies for the crime in the economy

Learning		
1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
2	85	75
2	85	75
2	85	75
2	85	75
2	85	75
3	85	75

Program Learning Outcomes (PLO)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
H	M	L	L	L	M	L	L	L	L	L	L	L	L	M
H	M	L	L	L	M	L	L	L	L	L	L	L	L	M
H	H	L	L	L	H	L	L	L	L	L	L	L	L	M
H	M	L	L	H	H	L	L	L	L	L	L	L	L	M
H	M	L	L	H	H	L	L	L	L	L	L	L	L	M
H	M	L	L	H	H	L	L	L	L	L	L	L	L	M

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1	Introduction of Social Economics	Human capital—the concept	The concept of health and health care	Theories of human capital- classical and modern approaches	Self Help Groups
	SLO-2	Definition				
S-2	SLO-1	Scope	components of human capital	life expectancy and mortality rates	analysis of segmented labour market	Nature, Structure and objectives of Self-Help Groups
	SLO-2	Equality in Human Societies				
S-3	SLO-1	Principles of Social Doctrines	Human capital vs. Physical capital	morbidity	on-the-job training- general & specific	SHG and Worker's Empowerment
	SLO-2					
S4-6	SLO-1	Gandhiji	Historical developments in the human capital theory	Health as consumption and investment goods	financing of OJT	Economics of Crime
	SLO 2					
S-7	SLO 1	Gandhiji	Human capital and human development	Role of health in economic development	Approaches to educational planning	Economic Issues –Causes and Consequences-Remedies
	SLO-2					
S-8	SLO-1	Karl Marx	Public and private education	Comparison of education and health	Economics of educational planning in developing countries	Consumerism
	SLO-2					
S-9	SLO-1	Poverty	Public and private education	Health as human capital	Educational planning and the problem of educated unemployment and brain drain	Ciber Crime
	SLO-2	Global Poverty (an assessment)				
S10-12	SLO-1	Causes and Consequences of Poverty	Cost of education	Determinants of health	Educational planning and the problem of educated unemployment and brain drain	Human Rights Violation
	SLO-2					
S-13	SLO-1	Sustainable Development	private costs and social costs	Poverty and malnutrition		Human Rights Violation

Duration (hour)	Learning Unit / Module 1		Learning Unit / Module 2		Learning Unit / Module 3		Learning Unit / Module 4		Learning Unit / Module 5	
	18		18		18		18		18	
	SLO-2	Role of Poverty Social Security					Role of financing in the development of education			
S-14	SLO-1	Social Banking	Education, employment and income		Economic dimensions of health care		Role of financing in the development of education		Human Rights Violation	
	SLO-2									
S-15	SLO-1	Migration related poverty issues	Education, poverty and income distribution		Demand and supply of health Care		Equity and efficiency effects of financing education		Dimension of Terrorism	
	SLO-2									
S16-18	SLO-1	Remedies	Education, poverty and income distribution		Human Development Index Gender Development Index		Equity and efficiency effects of financing education		Dimension of Terrorism	
	SLO-2									

Learning Resources/ Reference books	1. Culyer A.J(1973) The Economics of Social Policy, Martin Robertson and Co Ltd, London 2. Dreze Jean and Amartya K Sen (1989) Hunger and Public Action, Clevendon Press, Oxford 3. Harbinson Frederick and Charles A. Meyers (1964) Education Man Power and Economic 4. Growth: Strategies of HRM, McGraw Hill Book &Co, New York 5. Legrand Julian and Ray Robinson (1976) The Economics of Social Problems, The Macmillan Press & Ltd, London					6. Lutz Mark and Kenneth Lux (1979) The Challenge of Humanistic Economics, The Benjamin /Cummings Publishing Co, California 7. Becker, G.S. (1974). Human Capital. 2nd edition, NBER, New York. 8. Blaug Mark, (1971), An introduction to Economics of Education, Penguin Publishers 9. Klarman, H.E. (1995). The Economics of Health. New York: Columbia University Press.				

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember Understand	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
Level 2	Apply Analyze	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
Level 3	Evaluate Create	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers			
Expert from Industry		Experts from Academic	
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.		1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	
		Internal Experts	
		1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.	

Course Code	UEY23D06J	Course Name	INDUSTRIAL ECONOMICS	Course Category	D	Discipline Specific Elective Course	L 3	T 0	P 3	O 2	C 4
-------------	-----------	-------------	----------------------	-----------------	---	-------------------------------------	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Know about the types of organisational forms			1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Learn the theories of location			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Study economic efficiency and industrial productivity																				
CLR-4 :	Learn the financing choices available																				
CLR-5 :	Study about R&D in industries & Know the industrial policies of India																				
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																			
CLO-1 :	Identify each type of organisational forms			2	85	75	H	H	M	M	H	H	L	L	L	L	L	L	L	L	H
CLO-2 :	Establish industries based on location			3	85	75	H	H	M	M	H	H	L	L	L	L	L	L	L	L	H
CLO-3 :	Measure economic efficiency and industrial productivity			2	85	75	H	H	M	M	H	H	L	H	L	H	L	H	L	L	H
CLO-4 :	Find funds through different channels			3	85	75	H	H	M	M	H	H	L	L	L	L	L	L	L	L	H
CLO-5 :	Innovate products through R&D & Deal with industrial labour relations			3	85	75	H	H	M	M	H	H	L	L	L	L	L	L	L	L	H
				2	85	75	H	H	M	M	H	H	L	L	L	L	L	L	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		18	18	18	18	18
S-1	SLO-1	Types of organizational forms	The Cournot model	Need for finance	Concept of R & D	Industrial policy in India
	SLO-2					
S-2	SLO-1	process of Incorporation	Bertrand competition with homogeneous products	types and sources of finance	R&D expenditure as an investment decision	Role of Public and private sectors
	SLO-2					
S-3	SLO-1	commencement of business	The Stackelberg equilibrium reinterpreted as subgame-perfect equilibrium	choice of funding-external versus internal sources	Finance for R&D	recent trends in Indian industrial growth
	SLO-2					
S4-6	SLO-1	Business motive- maximization	Product differentiation and advertisement	role of financial institutions	Relationship between R&D inputs and outputs	policies and program for the development of small-scale industries in India
	SLO 2					
S-7	SLO 1	managerial motivation	Research & Development and Innovation	Cost of capital to industries	Relationship between R&D inputs and outputs	Industrial labour- Problems, policies and reforms in India
	SLO-2		Market concentration, its measurement and effects on market Performance			
S-8	SLO-1	Evaluation of goals	Diversification, Integration and Merger	Capital structure decision	Relationship between R&D inputs and outputs	Industrial legislation and social security measures in India
	SLO-2	Technology, production cost and demand				
S-9	SLO-1	Optimum size of firm	Meaning of economic efficiency	working capital financing		

Duration (hour)	Learning Unit / Module 1		Learning Unit / Module 2		Learning Unit / Module 3		Learning Unit / Module 4		Learning Unit / Module 5	
	18		18		18		18		18	
	SLO-2	Competitive equilibrium and welfare	optimum Firm				Relationship between R&D inputs and outputs		Industrial legislation and social security measures in India	
S10-12	SLO-1	General determinants of industrial location	factors determining efficiency and firm size	long term asset financing			market structure and the evaluation of R&D		Sources of finance	
	SLO-2	advantages and disadvantages of localization	limits and obstacles to the size of firm							
S-13	SLO-1	Decentralization of industries and its advantages	a synthesis on the size of firm, efficiency and decision-making process	Institutions for industrial finance			market structure and the evaluation of R&D		choice of funding-external versus internal sources	
	SLO-2	Approaches to industrial location analysis	Industrial Productivity: Concept and measurement							
S-14	SLO-1	Alfred Weber's theory	Capacity utilization – concept and measurement	Venture capital financing			the innovating firm-diffusion of new techniques		Institutional finance with special reference to IFCI, ICICI, IDBI	
	SLO-2	Sergeant Florence's theory of industrial location	Changes in Industrial structure and economic development						Financial Statement-Balance Sheet	
S-15	SLO-1	market area theory	MNC 's and transfer of technology	Uncertainty in industrial organisation			the innovating firm-diffusion of new techniques		Profit and loss account	
	SLO-2		Small Scale Industries							
S16-18	SLO-1	industrial location trends in India	Public policy and industrialization	Uncertainty in industrial organisation			the innovating firm-diffusion of new techniques		Assessment of financial soundness	
	SLO-2		Privatization – concept, scope and relevance							

Learning Resources/ Reference books	1. Donald A Hay and D J Morris (1978), Industrial Economics theory and evidence. 2. I J Ahluwalia (1985), Industrial growth in India, oxford university press. 3. Singh, A and A.N. Sandhu (1988), Industrial Economics, Himalaya Publishing House, Bombay. 4. Martin, Stephen (2001), Advanced Industrial Economics, Blackwell Publishing 5. Bains, J. S. (1996). Industrial Organization, Cheltenham, U.K. An Elgar Critical Writings Reader. 6. Barthwal, R. R. (2010). Industrial Economics: An Introductory Textbook. New Delhi: New Age International Publishers. 7. Hay, D. A and Morris, D. J. (1991). Industrial Economic: Theory and Evidence. Oxford University Press.					8. Lee, N., Jones, R. M., and Tyson, W. J. (1985). An Introduction to Industrial Economics. London: Allen and Unwin. 9. Marshall, A. (2003): Elements of Economics of Industry, Simon Publications, UK 10. Marshall, A. and Marshall, M. P. (2012): The Economics of Industry, Ulan Press, U 11. Desai, B (1999), Industrial economy of India, Himalaya Publishing House, Mumbai. 12. Cherunilam, F. (1994), Industrial Economics: Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai 13. Government of India, Economic Survey (Annual)				

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
<ol style="list-style-type: none"> 1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai. 	<ol style="list-style-type: none"> 1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai. 	<ol style="list-style-type: none"> 1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23G05J	Course Name	ECONOMIC JOURNALISM	Course Category	G	Generic Elective Course	L	T	P	O	C
							3	0	2	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Understand the fundamentals of journalism			1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Familiarize the frequently used Economic and Business concepts			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Know about data processing																				
CLR-4 :	Learn data reporting																				
CLR-5 :	Know about analytical writing & Learn to present data																				
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																			
CLO-1 :	Have an idea of ethics, rules and standards in journalism			2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	H
CLO-2 :	Have a knowledge on important economic indicators			2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	H
CLO-3 :	Find out economic data sources			2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	H
CLO-4 :	Evaluate data and find story in data			2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	H
CLO-5 :	Analyse the nature economic indicators & Present data effectively			2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-1	SLO-1	Fundamentals of Journalism	Frequently used Economic & Business Concepts: Economic growth indicators	Data journalism: Data processing	Data Reporting and analytical writing	Effective data presentations: Statistical tables
	SLO-2					
S-2	SLO-1	Introduction to Business and Economic Journalism	National Income concepts	Building Your Knowledge Base and Sources	Analysis of company structure, strategic planning, etc.	Frequently used charts/figures
	SLO-2					
S-3	SLO-1	History of the Business Press	Broad economic sectors	Economic/Business data sources	Analysing profit and loss statements	Frequently used statistical measures
	SLO-2					
S4-5	SLO-1	Main sources of global economic news	price indices and inflation	Economic/Business data sources	Analysing profit and loss statements	ratio- percentages -mean, growth rates
	SLO 2	Ethics, Rules & Standards in Journalism				
S-6	SLO 1	Regulator framework	dynamics of gold and oil prices	Evaluating Data and Finding the Story in the Data	Analysing balance sheets cash flow statements	Content analysis, survey, and experiment
	SLO-2					
S-7	SLO-1	Principles of Constitution of India	Capital Markets-Derivatives, Futures and Options Trading	Evaluating Data and Finding the Story in the Data	Analysing balance sheets cash flow statements	trend analysis
	SLO-2					introduction to MS Excel

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-8	SLO-1	Principles of Constitution of India	SENSEX & Other Indices	Evaluating Data and Finding the Story in the Data	Covering company news	interpretation of data
	SLO-2					Literature review development
S9-10	SLO-1	Constitutional restrictions on Media	Debt Markets Mutual Funds and Exchange Trade Funds	Evaluating Data and Finding the Story in the Data	Covering company news	Techniques to apply these methods for various research situations
	SLO-2					
S-11	SLO-1	The Press Registration of Books Act 1867	currency futures	Introduce Elements of A Good Economic News Story	Basics of macroeconomics (How economies work, and how governments (try to) manage them)	Steps involved in collection and analysis of facts and information
	SLO-2		concepts in monetary policy			
S-12	SLO-1	Press Council Rights and Abilities of the Editor	Budgetary concepts	Introduce Elements of A Good Economic News Story	Basics of macroeconomics (How economies work, and how governments (try to) manage them)	interviewing –editorial production
	SLO-2		BOP concepts			language and style of writing
S-13	SLO-1	Code of Ethics in Different media	foreign exchange rate- FOREX markets- foreign exchange regimes	Using Elements of a Good Economic News Story, developing story ideas, identifying story formats, and localizing global headlines	Covering economic indicators (How economies are measured, and how to report on these economic indicators)	business news photography
	SLO-2	Key Issues in Business and financial journalism	government securities market			
S14-15	SLO-1	Journalism Practice	role and functions of RBI and SEBI	Using Elements of a Good Economic News Story, developing story ideas, identifying story formats, and localizing global headlines	Covering economic indicators (How economies are measured, and how to report on these economic indicators)	fair practices in reporting
	SLO-2	Online Journalism				

Learning Resources/ Reference books	1. Marie Kinsey (2019). Financial Journalism, Routledge. London	5. Peter Kjaer, Tore Slaatta (2007). Mediating Business: The Expansion of Business Journalism, Copenhagen Business School Press
	2. Tony Harcup (2014). A Dictionary of Journalism, Oxford University Press	
	3. Ibrahim Seaga Shaw (2016). Business Journalism: A Critical Political Economy Approach, Routledge	6. Terri Thompson (2000). Writing About Business – The New Knight–Bagehot Guide to Economics & Business Journalism, Columbia University Press
	4. Keith Hayes (2013). Business Journalism: How to Report on Business and Economics, Apress	
		7. Keith J. Butterick (2015). Complacency and Collusion: A Critical Introduction to Business and Financial Journalism, Pluto Press

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-

	Create										
	Total	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
2. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	3. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 4. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	5. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 6. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 7. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 8. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23G06J	Course Name	GEOECONOMICS	Course Category	G	Generic Elective Course	L	T	P	O	C
							3	0	2	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:			Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Learn the theories of Geoeconomics	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Know about the history and structure of world economy				Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning			
CLR-3 :	Familiarise the geoeconomic map of the world																					
CLR-4 :	Study geoeconomic aspects of regionalism																					
CLR-5 :	Learn geoeconomic analysis and forecasting & Understand the geopolitics of development and inequality																					
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																				
CLO-1 :	Apply the fundamental concepts of geopolitical and strategic studies	2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H
CLO-2 :	Use the main theoretical frameworks	2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H
CLO-3 :	Analyze the economic power of major countries along with alliances, initiatives and ongoing rivalries at the global and regional level	2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H
CLO-4 :	Understand and analyze the geo-economic dimensions and consequences of globalization	2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H
CLO-5 :	Analyze the causes and explanatory factors of inequalities of wealth and development at international level, as well as their geopolitical implications	2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H
	& Understand the consequences of financial globalization	2	80	75	H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-1	SLO-1	Introduction to Geoeconomics	History of the world economy	Spatial organization of the world economy	Geo-economic aspects of regionalism	Geography of uneven development and its economic and political implications
	SLO-2					
S-2	SLO-1	Birth of Geoeconomics: Scope and Nature	Natural resource potential of the world economy	Stages of formation of the modern political map of the world	Geo-economic aspects of regionalism	Increasing divide: juxtaposition of poverty and wealth
	SLO-2					
S-3	SLO-1	Geoeconomics in the system of scientific knowledge	Population and labor resources of the world	Stages of formation of the modern political map of the world	Geo-economic aspects of regionalism	Exacerbating inequalities across the globe.
	SLO-2					
S4-5	SLO-1	Methods of theoretical and applied geoeconomics	International division of labor	Forms of government	The main approaches to the definition of regionalism. Regions of the world	Geopolitics of development cooperation and fight against poverty
	SLO 2					
S-6	SLO 1	Geographical determinism in the history of the Social sciences	The structure of the world economy	Political and economic systems of the countries of the world	The main approaches to the definition of regionalism. Regions of the world	Geopolitics of development cooperation and fight against poverty
	SLO-2					
S-7	SLO-1	Different Schools of Thought in Geoeconomics	The structure of the world economy	Political and economic systems of the countries of the world	The main approaches to the definition of regionalism. Regions of the world	Complex interactions between development cooperation and economic and geostrategic interests
	SLO-2					
S-8	SLO-1	Modern geo-economic theories and concepts	Industry of the world	Typology of states	Regions of the world	Impact and effectiveness of development cooperation
	SLO-2					
S9-10	SLO-1	Geopolitics and Geoeconomics: Mutual Relationship	Industry of the world	Typology of states	International economic and political organizations	Impact and effectiveness of development cooperation
	SLO-2					

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-11	SLO-1	Power and Geoeconomics: Global Contest for Resources	Agro-industrial complex of the world	Geo-economic map of the world as a tool for strategic operation	International economic and political organizations	Financial globalization and its diverse consequences
	SLO-2					
S-12	SLO-1	Problems of geoeconomics development	Transport infrastructure	Geo-economic map of the world as a tool for strategic operation	International economic and political organizations	Financial globalization and its diverse consequences
	SLO-2		Trends in the development of the world economy			
S-13	SLO-1	Problems of geoeconomics development	Globalization of the world economy	The structure of the geo-economic map of the world	Geoeconomical analysis and forecasting	Limits and threats on state sovereignty
	SLO-2		The concept, features, causes of TNCs and their role in international economic activity			Financialization and the pressing phenomenon of inequality
S-14-15	SLO-1	Problems of geoeconomics development	Global economic problems	The structure of the geo-economic map of the world	Geoeconomical analysis and forecasting	Tax heavens
	SLO-2					

Learning Resources/ Reference books	1. Arrighi, G.. Adam Smith in Beijing: Lineages of the Twenty-First Century . Verso. 2007 2. Blackwill, R. D. and J. M. Harris . War by Other Means, Geoeconomics and Statecraft. Harvard University Press. 2017 3. W.E. Murray and J. Overton, Geographies of Globalization, Second edition, London and New York, Routledge, 2015. 4. Dicken, P.. Global Shift: Mapping the Changing Contours of the Global Economy. Sage. 2014	5. Frieden, J.. Global Capitalism, Its Fall and Rise in the Twentieth Century. Norton. 2007 6. Moak, P. "Developed Nations and the Economic Impact of Globalization". Palgrave-McMillan. 2017 7. Oatley, T.. "International Political Economy, Interests and Institutions in the Global Economy". Pearson Longman. 2014

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR.

Course Code	UEY23P03L	Course Name	INTERNSHIP - III	Course Category	IAPC	Internship/Apprenticeship / Project/ Community Outreach	L	T	P	O	C
							0	0	0	0	2

Pre-requisite Courses	Internship 2	Co-requisite Courses	Nil	Progressive Courses	Nil	Course Offering Department	Accounting and Finance	Data Book / Codes/Standards	Nil
-----------------------	--------------	----------------------	-----	---------------------	-----	----------------------------	------------------------	-----------------------------	-----

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Give idea about research project	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Identify the research problem																		
CLR-3 :	Review of literature																		
CLR-4 :	Give idea about data collection																		
CLR-5 :	Give knowledge on statistical tools and project preparation.																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Communication Skills	Critical Thinking	Problem Solving	Analytical Reasoning	Research Related Skills	Reflective Thinking	Self-Directed Learning	Leadership Readiness/Qualities	Life-long Learning	Professional Skills	Experiential Learning	Employability Options	Decision making Skills	PSOI- ICT Skills
CLO-1 :	Gained knowledge about research project	2	80	80	H	L	H	M	L	M	M	M	M	M	M	M	M	L	L
CLO-2 :	Increased knowledge on research problem	2	75	70	H	L	M	L	L	L	H	H	H	H	H	H	H	L	L
CLO-3 :	Improved practice in review of literature	2	85	80	H	L	H	L	L	L	H	H	H	H	H	H	H	L	L
CLO-4 :	Well versed in data collection	3	80	75	H	H	H	L	L	L	H	H	H	H	H	H	H	L	H
CLO-5 :	Gained knowledge on statistical tools and project preparation	3	75	70	H	M	H	L	L	M	H	H	H	H	H	H	H	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		5	5	5	5	5
S-1 to S- 5	SLO-1	Topic selection	Review of literature	Research design	Data Collection and analysis	Interpretation and conclusion

INTERNSHIP PROJECT DESCRIPTION

GUIDELINES

- Project report is the compulsory component of the syllabus to bridge the gap between theory and practice.
- The field of specialization is Human Resources, Marketing, Finance and related commerce and management-based topics.
- The project work should be neatly presented in not less than 60 pages and not more than 100 pages
- Paper Size should be A4
- 1.5 spacing should be used for typing the general text. The general text shall be justified and typed in the Font style – (Font: Times New Roman / Font Size: 12 for text)
- Subheading shall be typed in the Font style (Font: Times New Roman 1 / Font Size: 14 for headings) The report should be professionally prepared.
- The candidate should submit periodical report of the project to the supervisor.
- Two reviews will be conducted before the Viva Voce

9. Each candidate should submit hardcopy (3 copies) and a soft copy in CD to the Department. After the Evaluation of the project report one hard copy will be returned to the candidate
10. After the Evaluation of the project report one hard copy will be returned to the candidate.

EVALUATION SCHEME

Project Evaluation and viva voce – Internal Examiner – 50 Marks

Project Evaluation and viva voce – External Examiner – 50 Marks

TOTAL MARKS - 100 Marks

If a candidate fails to submit the Project Work or fails to appear for the Viva Voce Examination then the Candidate should submit or appear only in the next Viva Voce Examination.

Learning Assessment				
Internship	Continuous Learning Assessment (50% weightage)		Final Evaluation (50% weightage)	
	Review – 1	Review – 2	Project Report	Viva-Voce
	20%	30%	30%	20%

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
Dr.K.S Kamaludeen, Managing Director, Blue Bharath EXIM Pvt. Ltd, No 26 Ethiraj Salai Egmore Chennai. E-Mail: info@baccuracy.com.info	Dr.R.Shanthi, Professor, Department of Commerce, University of Madras, Chepauk Campus, Chennai. E-Mail: shanthi@unom.ac.in	1.Dr. K.Selvasundaram, Professor and Head, Dept. of CS an AF, FSH, SRMIST KTR.
		2.Dr.V.Deepa, Associate Professor and Head i/c, Dept. of Commerce (AF), CSH, SRMIST, RMP
		3.Dr.V.Venkatraghavan, Assistant Professor, Dept. of Commerce (AF), CSH, SRMIST, VDP.
		4.Miss. J Ramadevi, Assistant Professor, Dept. of CS and AF, FSH, SRM IST, Kattankulanthur.
		5.Dr. Thinesh Kumar M, Assistant Professor, Dept. of CS and AF, SRM IST, KTR

Course Code	UEY23P05L	Course Name	PROJECT PHASE - I	Course Category	IAPC	. Internship/Apprenticeship / Project/ Community Outreach	L	T	P	O	C
							0	0	8	2	4

Pre-requisite Courses	Mini Project	Co-requisite Courses	Nil	Progressive Courses	Nil	Course Offering Department	Accounting and Finance	Data Book / Codes/Standards	Nil
-----------------------	--------------	----------------------	-----	---------------------	-----	----------------------------	------------------------	-----------------------------	-----

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Give idea about research project by visiting an institution (Banking, Finance, Accounting, Business enterprise)	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Identify the research problem	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Communication Skills	Critical Thinking	Problem Solving	Analytical Reasoning	Research Related Skills	Reflective Thinking	Self-Directed Learning	Leadership Readiness/Qualities	Life-long Learning	Professional Skills	Experiential Learning	Employability Options	Decision making Skills	PSOI- ICT Skills
CLR-3 :	Review of literature				H	L	H	M	L	M	M	M	M	M	M	M	M	L	L
CLR-4 :	Give idea about data collection				H	L	M	L	L	L	H	H	H	H	H	H	H	L	L
CLR-5 :	Give knowledge on statistical tools and project preparation.				H	L	H	L	L	L	H	H	H	H	H	H	H	L	H
CLR-5 :	Give knowledge on statistical tools and project preparation.				H	M	H	L	L	M	H	H	H	H	H	H	H	L	H
Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:																		
CLO-1 :	Gained knowledge about research project	2	75	60															
CLO-2 :	Increased knowledge on research problem	2	80	70															
CLO-3 :	Improved practice in review of literature	2	70	65															
CLO-4 :	Well versed in data collection	2	70	70															
CLO-5 :	Gained knowledge on statistical tools and project preparation	2	80	70															

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		8	8	8	8	8
S-1 to S- 8	SLO-1	Topic selection	Review of literature	Research design	Data Collection and analysis	Interpretation and conclusion

INTERNSHIP PROJECT DESCRIPTION

GUIDELINES

1. Project report is the compulsory component of the syllabus to bridge the gap between theory and practice.
2. The field of specialization is Human Resources, Marketing, Finance and related commerce and management-based topics.
3. The project work should be neatly presented in not less than 60 pages and not more than 100 pages
4. Paper Size should be A4
5. 1.5 spacing should be used for typing the general text. The general text shall be justified and typed in the Font style – (Font: Times New Roman / Font Size: 12 for text)
6. Subheading shall be typed in the Font style (Font: Times New Roman 1 / Font Size: 14 for headings) The report should be professionally prepared.
7. The candidate should submit periodical report of the project to the supervisor.
8. Two reviews will be conducted before the Viva Voce

9. Each candidate should submit hardcopy (3 copies) and a soft copy in CD to the Department. After the Evaluation of the project report one hard copy will be returned to the candidate
10. After the Evaluation of the project report one hard copy will be returned to the candidate.

EVALUATION SCHEME

Project Evaluation and viva voce – Internal Examiner – 50 Marks

Project Evaluation and viva voce – External Examiner – 50 Marks

TOTAL MARKS - 100 Marks

If a candidate fails to submit the Project Work or fails to appear for the Viva Voce Examination then the Candidate should submit or appear only in the next Viva Voce Examination.

Learning Assessment				
Project	Continuous Learning Assessment (50% weightage)		Final Evaluation (50% weightage)	
	Review – 1	Review – 2	Project Report	Viva-Voce
	20%	30%	30%	20%

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
Dr.K.S Kamaludeen, Managing Director, Blue Bharath EXIM Pvt. Ltd, No 26 Ethiraj Salai Egmore Chennai. E-Mail: info@baccuracy.com.info	Dr.R.Shanthi, Professor, Department of Commerce, University of Madras, Chepauk Campus, Chennai. E-Mail: shanthi@unom.ac.in	1. Dr. K. Selvasundaram, Head-Dept. Of CS & AF, FSH, SRM IST, Kattankulathur
		2. Dr. Kamalakkannan Adhisekar, Assistant Professor, Dept. of CS and AF, FSH, SRM IST, Kattankulanthur.
		3. Dr. Shanthi P, Assistant Professor, Dept. of CS and AF, FSH, SRM IST, Kattankulanthur.
		4. Dr. K. Karthikeyan K, Assistant Professor, Dept. of Commerce (CS&AF), FSH, SRMIST KTR.
		5. Dr. Kamalakkannan Adhisekar, Assistant Professor, Dept. of Commerce (CS&AF), FSH, SRMIST KTR

SEMESTER VIII

Course Code	UEY23801J	Course Name	LABOUR ECONOMICS	Course Category	C	Discipline Specific Core Course	L 3	T 0	P 2	O 2	C 4
-------------	-----------	-------------	------------------	-----------------	---	---------------------------------	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		<i>The purpose of learning this course is to:</i>		Learning			Program Learning Outcomes (PLO)															
CLR-1 :	<i>Study basic concepts related to labour</i>			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CLR-2 :	<i>Learn the wage theories</i>						Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning	
CLR-3 :	<i>Learn labour market policies</i>						H	M	M	L	L	L	L	L	L	L	L	L	L	L	L	H
CLR-4 :	<i>Understand the issues in labour migration</i>						H	M	M	L	L	L	L	L	L	L	L	L	L	L	L	H
CLR-5 :	<i>Understand the problems of agricultural and industrial labour & Study about the need of social security measures</i>						H	M	M	L	L	L	L	L	L	L	L	L	L	L	L	H
Course Learning Outcomes (CLO):		<i>At the end of this course, learners will be able to:</i>		2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H	
CLO-1 :	<i>Understand labour market policies</i>			2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H	
CLO-2 :	<i>Determine wages for labourers</i>			2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H	
CLO-3 :	<i>Understand labour legislations</i>			2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H	
CLO-4 :	<i>Know the trends in labour migration</i>			2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H	
CLO-5 :	<i>Have a knowledge on the problems of labour in agriculture and industry & Understand the social security measures</i>			2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H	
				2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H	

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
12		12	12	12	12	12
S-1	SLO-1	Meaning and concept of labour and labour productivity	Wage concepts	Labour market institutions	Approaches to Labour Migration	Characteristics and problems of Agricultural and Industrial Labour
	SLO-2			Employment protection legislation		
S-2	SLO-1	Labour Market Segmentation	Minimum wage, fair wage and living wage	Minimum wages	trends & effects of Migration	Policy and programmes to improve the conditions of labour
	SLO-2			Unemployment Benefits		
S-3	SLO-1	Labour Market Segmentation	Minimum wage, fair wage and living wage	Labour market policies for development	Absenteeism to Industrial Labour in India, causes, effects and remedies	Policy and programmes to improve the conditions of labour
	SLO-2					
S4-5	SLO-1	Labour Market Policies	Classical, Neoclassical and Bargaining theories	Theoretical arguments for the policies around the world	Absenteeism to Industrial Labour in India, causes, effects and remedies	Meaning and need of Social Security Measures
	SLO 2			challenges in implementing policies		
S-6	SLO 1	Labour Market Policies	Classical, Neoclassical and Bargaining theories	Do labour market policies work?	Labour turnover	Meaning and need of Social Security Measures
	SLO-2			Empirical evidences. Labour market		
S-7	SLO-1	Labour in organized and unorganized sector	Productivity and wage relationship	information and analysis systems	Trends in Labour Turnover in India	Meaning and need of Social Security Measures
	SLO-2					
S-8	SLO-1				Child Labour Policy in India	Meaning and need of Social Security Measures

Duration (hour)	Learning Unit / Module 1		Learning Unit / Module 2		Learning Unit / Module 3		Learning Unit / Module 4		Learning Unit / Module 5	
	12		12		12		12		12	
	SLO-2	<i>Labour in organized and unorganized sector</i>		<i>Productivity and wage relationship</i>		<i>Conceptualisation of LIMA systems and indicators</i>				
S9-10	SLO-1	<i>Labour in organized and unorganized sector</i>		<i>Non-wage component of labour remuneration</i>		<i>Trade Union Movement in India</i>		<i>Problems and Policy of Female Workers in India</i>		<i>Meaning and need of Social Security Measures</i>
	SLO-2					<i>Problems and draw backs</i>				
S-11	SLO-1	<i>Labour in organized and unorganized sector</i>		<i>Non-wage component of labour remuneration</i>		<i>Industrial disputes: meaning</i>		<i>Labour Relations in India</i>		<i>Social security of the Unorganized sector workers</i>
	SLO-2									
S-12	SLO-1	<i>Mobility of labour. Labour Supply and Labour Demand</i>		<i>Types of wages in India</i>		<i>causes, effects and prevention</i>		<i>Contract Labour</i>		<i>Social security of the Unorganized sector workers</i>
	SLO-2									
S-13	SLO-1	<i>Mobility of labour. Labour Supply and Labour Demand</i>		<i>State Regulation of wages</i>		<i>Collective Bargaining</i>		<i>Establishment of ILO</i>		<i>Social security of the Unorganized sector workers</i>
	SLO-2							<i>Aims and objectives of ILO</i>		
S14-15	SLO-1	<i>Mobility of labour. Labour Supply and Labour Demand</i>		<i>National Wage Policy and Wage Boards in India</i>		<i>Labour Legislation in India</i>		<i>Impact of ILO on India</i>		<i>Social security of the Unorganized sector workers</i>
	SLO-2									

Learning Resources/ Reference books	1. Hajela, P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publisher, New Delhi.	5. Hicks J.R. (1932), The Theory of Wages, Clarendon Press, Oxford.
	2. Lester, R.A. (1964), Economics of Labour, (2nd Edition), Macmillan, New York.	6. Memoria, C.B. (1966), Labour Problems and Social Welfare in India, KitabMahal, Allahabad.
	3. McConnell, C.R. and S.L. Brue (1986), Contemporary Labour Economics, McGraw-Hill, New York.	7. Bhagoliwal T.N., Economics of Labour and Industrial Relations, SahityaBhawan Publications, New Delhi
	4. Papola, T.S., P.P. Ghosh and A.N. Sharma (Eds.) (1993), Labour, employment and industrial Relations in India, B.R. Publishing Corporation, New Delhi.	

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR.
	2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR.
		3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR.

Course Code	UEY23D07T	Course Name	HEALTH ECONOMICS	Course Category	D	Discipline Specific Elective Course	L	T	P	O	C
							4	0	0	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:
CLR-1 :	Understand the health scenario of India and World
CLR-2 :	Know the resource allocation in health sector
CLR-3 :	Learn the benefits and cost of health services
CLR-4 :	Know about the financing of health sector
CLR-5 :	Study issues in India's health sector & Study the importance of health sector.

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
CLO-1 :	Understand the role health in economic development
CLO-2 :	Solve problems of resource allocation and pricing in health sector.
CLO-3 :	Conduct cost-benefit analysis of health projects
CLO-4 :	Know about health insurance schemes
CLO-5 :	Evaluate the health financing through taxation & Understand the reasons for growth of health expenditure

Learning		
1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
2	85	75
3	85	75
3	85	75
2	85	75
2	85	75
2	85	75

Program Learning Outcomes (PLO)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
H	H	M	L	M	H	L	L	L	L	L	L	L	L	H
H	H	M	L	M	H	L	L	L	H	L	L	L	L	H
H	H	M	L	M	H	H	H	H	H	L	H	L	L	H
H	H	M	L	M	H	H	H	H	H	L	L	L	L	H
H	H	M	L	M	H	H	H	H	H	L	L	L	L	H
H	H	M	L	M	H	H	H	H	H	L	L	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-1	SLO-1	Definition and scope of economics of health	Resource allocation problems in private and Government Hospitals	Private benefits and private costs pf providing health services	A review of per capita and public expenditure on Health services over time and in different parts of the country	Growth in expenditure of personal health services
	SLO-2					
S-2	SLO-1	the concept of health and health care	Resource allocation problems in private and Government Hospitals	The failure of the market to provide essential health services	An Analysis of the sources (public) finance for health	Growth in expenditure of personal health services
	SLO-2					
S-3	SLO-1	the role of health in economic development	The problem of multiple services of a hospital	The failure of the market to provide essential health services	An Analysis of the sources (public) finance for health	Characteristics of health services
	SLO-2					
S-4	SLO-1	health as human capital	The problem of multiple services of a hospital	The provision of Health services by the Government	The need for a general health insurance	healthcare problems, public's and economist's views
	SLO 2					
S-5	SLO 1	determinants of health-poverty , malnutrition	Pricing of these services and the choice of the mix of services	The provision of Health services by the Government	the need for a special insurance for the poor, disabled and the aged	Analysis of demand for health services and supply of it
	SLO-2					
S-6	SLO-1	Economic dimensions of health care	Pricing of these services and the choice of the mix of services	The application of benefit cost analysis to public Health and Family Planning projects	the need for a special insurance for the poor, disabled and the aged	Analysis of demand for health services and supply of it
	SLO-2					
S-7	SLO-1	Demand and supply of health care	The tradeoffs between quantity and quality	The application of benefit cost analysis to public Health and Family Planning projects	A comparative analysis of alternative payment system, prepayment scheme	Rising healthcare costs
	SLO-2					

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-8	SLO-1	Health output and input indicators and their correlation with the level of economic development and with the public expenditure on health	The tradeoffs between quantity and quality	The application of benefit cost analysis to public Health and Family Planning projects	A comparative analysis of alternative payment system, prepayment scheme	Factors affecting health
	SLO-2					
S-9	SLO-1	Health output and input indicators and their correlation with the level of economic development and with the public expenditure on health	Production Function, productive efficiency and equity considerations applied to the hospital sector	The role of Health in economic development	A comparative analysis of alternative payment system, prepayment scheme	Nutritional status
	SLO-2					
S-10	SLO-1	Health output and input indicators and their correlation with the level of economic development and with the public expenditure on health	Production Function, productive efficiency and equity considerations applied to the hospital sector	The role of Health in economic development	saving linked direct insurance system etc.	Changes in morbidity pattern and trends immortality rates
	SLO-2					
S-11	SLO-1	Growth of Allopathy, Homeopathy and Indian Traditional Medicine	Production Function, productive efficiency and equity considerations applied to the hospital sector	The role of Health in economic development	saving linked direct insurance system etc.	Changes in morbidity pattern and trends immortality rates
	SLO-2					
S-12	SLO-1	Growth of Allopathy, Homeopathy and Indian Traditional Medicine	spatial distribution of health care facilities and services	Value of output lost due to number of sick days	Financing health service through specific (Health cess) and general (direct and indirect taxes) Local government revenues	Development policies, health strategy and role of non-health system
	SLO-2					
S-13	SLO-1	Educational Institutions in India	spatial distribution of health care facilities and services	Value of output lost due to number of sick days	Financing health service through specific (Health cess) and general (direct and indirect taxes) Local government revenues	Development policies, health strategy and role of non-health system
	SLO-2					
S-14	SLO-1	Hospitals in Rural and Urban India	The demand for health services and the role of physician	Benefits and costs (both private and social) of training to professional manpower such as physicians –dentists, pharmacists, nurses	The role of development of financing institutions in financing health services	Socio-economic determinants of health status
	SLO-2					
S-15	SLO-1	Measures taken by Government. A review of the Indian National Health Policy	The pharmaceutical companies and health insurance on this demand	Benefits and costs (both private and social) of training to professional manpower such as physicians –dentists, pharmacists, nurses	The role of development of financing institutions in financing health services	Health foals, strategies and inter-sectoral action, Implementation of inter-sectoral programme for health
	SLO-2					

Learning Resources/ Reference books	1. Banerjee, D. (1975), social and Cultural Foundations of Health Service Systems of India, Inquiry, Supplement to Vol. XII, June. 2. Banerjee, D. (1982), Poverty, class and Health Culture in India, Vol. I Parchi Prakashan, New Delhi. 3. Gandhian Institute for rural and Family Planning (1972), studies on Mortality in India, Monograph Series No. 5. 4. Government of India (1983), National Health Policy, New Delhi. 5. Indian Council of Social Science Research and Indian Council of Medical Research (1981), Health for All 2000 a. D. ICSSR, Delhi. 6. Madan, T. N. (1969), Who Chooses Modern Medicine and Why, Economic and Political Weekly, pp. 1475-84. 7. Madan, T. N. 1980), doctors and Society –Three Asian Case Studies, Vikas Publishing House, Delhi. 8. Naik, J. P. 1977), an alternative System of Health Care services in India – Some Proposals, ICSSR, Delhi. 9. Feldstein, M. S. (1977), Economic analysis of Health Service Efficiency, North Holland, Amsterdam. 10. Jimenez E. (1987), Pricing Policy in the Social Sectors, The Johns Hopkins University Press, New York.
--	--

	Bloom’s Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	40%	-	40%	-	40%	-	40%	-	40%	-
	Analyze										
Level 3	Evaluate	30%	-	30%	-	30%	-	30%	-	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23D08T	Course Name	ENTREPRENEURSHIP DEVELOPMENT	Course Category	D	Discipline Specific Elective Course	L	T	P	O	C
							4	0	0	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR): <i>The purpose of learning this course is to:</i>	
CLR-1 :	Study the characteristics of an entrepreneur
CLR-2 :	Learn about the methods for generating ideas
CLR-3 :	Understand the small enterprises
CLR-4 :	Know about the problems of women entrepreneurs
CLR-5 :	Understand the process of formulating project report & Understand the role of entrepreneurship in

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
CLO-1 :	Identify the factors affecting entrepreneurial growth
CLO-2 :	Develop successful business ideas
CLO-3 :	File patent for the ideas
CLO-4 :	Prepare a complete project report
CLO-5 :	Understand entrepreneurship policies of the government and non-government organization & Know the institutional support available for entrepreneurs

Learning		
1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
2	80	75
3	80	75
2	80	75
3	80	75
2	80	75
2	80	75

Program Learning Outcomes (PLO)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
H	H	L	L	L	H	L	L	L	L	L	L	L	L	H
H	H	L	L	L	H	L	L	L	L	L	L	L	L	H
H	H	L	L	L	H	L	L	L	L	L	L	L	L	H
H	H	L	L	H	H	L	L	L	L	L	L	L	L	H
H	H	L	L	L	H	L	L	L	L	L	L	L	L	H
H	H	L	L	L	H	L	L	L	L	L	L	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-1	SLO-1	The Entrepreneur	Developing Successful Business Ideas	Small Enterprises –Definition Characteristics	Project Identification: Meaning of Project	Growth of Entrepreneurship in India
	SLO-2	Evolution				
S-2	SLO-1	Characteristics of Entrepreneurs	Recognizing opportunities	Relationship between Small and Large Unit	Project Identification	Role of entrepreneurship in economic development
	SLO-2					
S-3	SLO-1	Difference between Entrepreneur and Manager	trend analysis	Role of Small Enterprises in Economic Development	Project Selection	Policies and programmes of government and non-government organizations in entrepreneur development
	SLO-2					
S-4	SLO-1	Functions	trend analysis	Role of Small Enterprises in Economic Development	Project formulation	Policies and programmes of government and non-government organizations in entrepreneur development
	SLO 2					
S-5	SLO 1	Types	generating ideas – Brainstorming, Focus Groups, Surveys, Customer advisory boards, Day in the life research	Ownership Structure – Proprietorship –Partnership Company –Co-operative	Project formulation	Institutional Support: SIDO, SISI, NSIC, SIDCO, DIC – Their Functions
	SLO-2					
S-6	SLO-1	Entrepreneurship –Concepts	generating ideas – Brainstorming, Focus Groups, Surveys, Customer advisory boards, Day in the life research	Ownership Structure – Proprietorship –Partnership Company –Co-operative	Meaning of Project Report	Institutional Support: SIDO, SISI, NSIC, SIDCO, DIC – Their Functions
	SLO-2					

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-7	SLO-1	Role and importance of entrepreneurship	generating ideas – Brainstorming, Focus Groups, Surveys, Customer advisory boards, Day in the life research	Ownership Structure – Proprietorship – Partnership Company – Co-operative	Meaning of Project Report	Institutional Support: SIDO, SISI, NSIC, SIDCO, DIC – Their Functions
	SLO-2					
S-8	SLO-1	Entrepreneurial Competencies – Meaning	Encouraging focal point for ideas and creativity at a firm level	Selection of an appropriate ownership structure	Significance – Contents – Formulation of Report	Institutional Support: SIDO, SISI, NSIC, SIDCO, DIC – Their Functions
	SLO-2					
S-9	SLO-1	Major Competencies	Encouraging focal point for ideas and creativity at a firm level	Selection of an appropriate ownership structure	Significance – Contents – Formulation of Report	SIDBI's Schemes
	SLO-2					
S-10	SLO-1	Major Competencies	Encouraging focal point for ideas and creativity at a firm level	Women Entrepreneurs	Significance – Contents – Formulation of Report	SIDBI's Schemes
	SLO-2					
S-11	SLO-1	developing competencies	Encouraging focal point for ideas and creativity at a firm level	Types – Their problems and remedies	Guidelines for formulating project report by planning Commission	Incentives: Subsidy, Tax Concessions, Marketing and Export Assistance
	SLO-2					
S-12	SLO-1	developing competencies	Protecting ideas from being lost or stolen- Patents and IPR	Types – Their problems and remedies	Guidelines for formulating project report by planning Commission	Incentives: Subsidy, Tax Concessions, Marketing and Export Assistance
	SLO-2					
S-13	SLO-1	Factors affecting Entrepreneurial growth – Economic factor, non - economic factor, government action	Protecting ideas from being lost or stolen- Patents and IPR	Self Help groups	Guidelines for formulating project report by planning Commission	Sickness – Definition, Symptoms, Causes
	SLO-2					
S-14	SLO-1	Factors affecting Entrepreneurial growth – Economic factor, non - economic factor, government action	Protecting ideas from being lost or stolen- Patents and IPR	NGOs-Role of NGOs in entrepreneurship development	Project Appraisal – Concepts - Methods	Sickness – Definition, Symptoms, Causes
	SLO-2					
S-15	SLO-1	Factors affecting Entrepreneurial growth – Economic factor, non - economic factor, government action	Protecting ideas from being lost or stolen- Patents and IPR	NGOs-Role of NGOs in entrepreneurship development	Project Appraisal – Concepts - Methods	Measures To Prevent Sickness in Small Units
	SLO-2					

Learning Resources/ Reference books	1. Entrepreneurial Development -Vasanth Desai	4. Entrepreneurial Development - P.V. Badi & M. V. Badi 5. Entrepreneurial Development & Small Industry - Dr. Neeta Baporikar 6. Reddy, Entrepreneurship: Text & Cases - Cengage, New Delhi.
	2. Entrepreneurial Development - P. Saravana Velu 3. Entrepreneurial Development -S.S. Khanna	

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	40%	-	40%	-	40%	-	40%	-	40%	-
	Analyze										
Level 3	Evaluate	30%	-	30%	-	30%	-	30%	-	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
<ol style="list-style-type: none"> 1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai. 	<ol style="list-style-type: none"> 1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai. 	<ol style="list-style-type: none"> 1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23D09J	Course Name	ENERGY ECONOMICS	Course Category	D	Discipline Specific Elective Course	L 3	T 0	P 2	O 2	C 4
-------------	-----------	-------------	------------------	-----------------	---	-------------------------------------	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)																
CLR-1 :	Understand the link between energy and economics			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CLR-2 :	Know about classification of energy resources						Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning		
CLR-3 :	Study the demand for energy						H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H
CLR-4 :	Learn about supply of energy						H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H
CLR-5 :	Understand energy poverty & Know about energy security in India						H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																					
CLO-1 :	Have an idea about energy markets			2	80	75																	
CLO-2 :	Assess the trends in world energy consumption			2	80	75																	
CLO-3 :	Have a knowledge on energy demand management			2	80	75																	
CLO-4 :	Identify renewable energy supply			2	80	75																	
CLO-5 :	Frame policies related to energy security & Understand the trade-off between energy security and climate change mitigation			2	80	75																	
				2	80	75																	

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-1	SLO-1	Origin and Definitions of Energy	Demand for Energy as a Derived Demand	Evolution of energy demand analysis	Depletable primary energy resource	Energy use ladder
	SLO-2	Economics				
S-2	SLO-1	Link between Economics and Energy	Demand for Energy as a Derived Demand	Economic foundations of energy demand	economics of exploration	Indicators of energy poverty; Affordability
	SLO-2					
S-3	SLO-1	Energy Resources and Energy	World Energy Consumption	consumer demand for energy	optimal extraction rule	Energy poverty and/or environmental protection – A critical analysis
	SLO-2	Commodities				
S4-5	SLO-1	Properties of Energy Resources and Energy	Economic Growth and World Energy Consumption	Producer demand (input demand) for energy	investment decision	Indicators of energy security
	SLO 2	Commodities				
S-5	SLO 1	concept of Energy conservation and Energy efficiency	Economic Growth and World Energy Consumption	Producer demand (input demand) for energy	resource production- coal, oil, natural gas	dependence, concentration and diversity of supply
	SLO-2					
S-7	SLO-1	concept of Energy conservation and Energy efficiency	Demand substitution and energy use	Introduction to analytical frameworks- accounting approach (decomposition analysis)	relation between discovery and production	optimal level of energy dependence; Geopolitics
	SLO-2					
S-8	SLO-1	Energy markets: Global and National scenario	Demand substitution and energy use	econometric approach	depletion dimension	Policies to enhance energy security
	SLO-2					
S9-10	SLO-1	Trend and Patterns of Energy Consumption and the Energy Crisis (since 1970 the Oil shocks and other events)	Classification of energy resource- depletable and non-depletable, primary and	techno-economic approach	Economics of secondary energy supply (electricity)	import restriction and diversification
	SLO-2					

Duration (hour)	Learning Unit / Module 1		Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
	15		15	15	15	15
			<i>secondary, commercial and non-commercial</i>			
S-11	SLO-1	Energy Pricing and Taxation	Classification of energy resource- depletable and non-depletable, primary and secondary, commercial and non-commercial	Energy demand management	Economics of renewable energy supply	diversification of fuel mix, energy efficiency improvement
	SLO-2	Production Cost versus Return on Investment				
S-12	SLO-1	Models of Pricing, Market Failures, Peak and Off-peak Pricing, Subsidies	Units, conversion factors and aggregations of energy flow	Energy demand management	growth curve and rate of exploitation	Trade-off between energy security and climate change mitigation
	SLO-2					
S-13	SLO-1	The role of regulatory bodies like MERC	Energy accounting framework	Rebound effect	drivers of renewable energy, cost features, support mechanism (feed-in-tariff,	Concept of Sustainable Development and SDGs
	SLO-2				competitive bidding process, renewable obligations)	
S14-15	SLO-1	Energy Finance: Banks, International organisations, Green Finance initiatives	introduction to Energy Balance Statistics with example from India	Rebound effect	New economic principle when conventional consumer-producer divide is blurred	Energy Security: India's initiatives
	SLO-2					

Learning Resources/ Reference books	1. Stevens, P. (2000). An Introduction to Energy Economics. In Stevens, P. (ed.) The Economics of Energy, Vol. 1, Edward Elgar, Cheltenham, UK. 2. Bhattacharyya, Subhes. C. (2011). Energy Economics: Concepts, Issues, Markets and Governance. Springer. London, UK. (Selected chapters Hartwick, J. M, and Olewiler, N. D. (1986). The Economics of Natural Resource Use. Harper and Row Publishers, New York, USA	4. International Energy Markets: Understanding Pricing, Policies, and Profits. 2nd Edition. Carol A. Dahl. PennWell.
		5. Energy Economics: Concepts, Issues, Markets and Governance by Subhes C. Bhattacharyya Springer Science & Business Media, 28-Feb-2011 6. Energy Economics: Theory and Applications Peter Zweifel, Aaron Praktiknjo, Georg Erdmann Springer, 27-Mar-2017

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
2. Mr. Naveen Prakash, Director, Global Logistics Solutions	3. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai.	5. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 6. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH,

Course Code	UEY23D10J	Course Name	GENDER ECONOMICS	Course Category	D	Discipline Specific Elective Course	L	T	P	O	C
							3	0	2	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:
CLR-1 :	Understand the demographical aspects of gender
CLR-2 :	Learn the theories of gender equality
CLR-3 :	Know about the decision making status of women
CLR-4 :	Understand the position of women in labour market
CLR-5 :	Assess the impact of technology on women & Familiarize the social security measures and development policies for women

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:
CLO-1 :	Have a knowledge on the low level demography of women
CLO-2 :	Ensure the decision making rights of women
CLO-3 :	Raise the female worker participation rates
CLO-4 :	Use technology efficiently for women empowerment
CLO-5 :	Identify the relation between women and environment & Deal with social discrimination of women

Learning		
1	2	3
Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
2	80	75
2	80	75
2	80	75
2	80	75
2	80	75
2	80	75

Program Learning Outcomes (PLO)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
H	H	L	L	L	L	L	L	L	L	L	L	L	L	H
H	H	L	L	L	L	L	L	L	L	L	L	L	L	H
H	H	L	L	L	L	L	L	L	L	L	L	L	L	H
H	H	L	L	L	L	L	L	L	L	L	L	L	L	H
H	H	L	L	L	L	L	L	L	L	L	L	L	L	H
H	H	L	L	L	L	L	L	L	L	L	L	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-1	SLO-1	Importance of gender studies	Factors affecting decision making by women	Factors affecting female entry in labour markets	Impact of technological development and modernization on women's work participation in general and in various sectors such as agriculture	Social security of women, entitlements, ensuring economic independence and risk coverage, access to credit and insurance markets
	SLO-2					
S-2	SLO-1	Women in patriarchal and matriarchal societies and structures	Factors affecting decision making by women	Factors affecting female entry in labour markets	Impact of technological development and modernization on women's work participation in general and in various sectors such as non-agriculture rural activities	Social security of women, entitlements, ensuring economic independence and risk coverage, access to credit and insurance markets
	SLO-2					
S-3	SLO-1	Gender bias in the theories of values, distribution and population	property rights, access to and control over economic resources, assets, power of decision making at household, class, community level	Supply and demand for female labour in developed and developing countries, particularly India	Impact of technological development and modernization on women's work participation in general and in various sectors such as small and cottage industries	Role of voluntary organizations, self help groups in providing social security
	SLO-2					
S4-5	SLO-1	Demography of female population	property rights, access to and control over economic resources, assets, power of	Supply and demand for female labour in developed and developing countries, particularly India	Impact of technological development and modernization on women's work participation in general and in	Labour market biases and gender discrimination
	SLO 2					

Duration (hour)	Learning Unit / Module 1		Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
	15		15	15	15	15
			<i>decision making at household, class, community level</i>		<i>various sectors such as organized industry</i>	
S-6	SLO-1	<i>causes of declining sex ratios and fertility rates in LDCs and particularly India</i>	<i>economic status of women and its effect in WPR, income level, health and education in developing countries</i>	<i>Studies of female work participation in agriculture, Non-agricultural rural activities, informal sector,</i>	<i>Female activities and ecological and environmental concerns; the two way relationship</i>	<i>effectiveness of collective bargaining</i>
	SLO-2					
S-7	SLO-1	<i>causes of declining sex ratios and fertility rates in LDCs and particularly India</i>	<i>economic status of women and its effect in WPR, income level, health and education in developing countries</i>	<i>Studies of female work participation in cottage and small scale industries, organized industry, and services sector</i>	<i>Female activities and ecological and environmental concerns; the two way relationship</i>	<i>Review of legislation for women's entitlements, protection of property right, social security</i>
	SLO-2					
S-8	SLO-1	<i>Women and their access to nutrition, health, education and community resources and their impact in female mortality and fertility</i>	<i>Concept and analysis of women's work</i>	<i>Studies of female work participation in agriculture, Non-agricultural rural activities, informal sector, cottage and small scale industries, organized industry, and services sector</i>	<i>Role of new technologies for helping women</i>	<i>Schemes for safety net for women; Need for female labour unions</i>
	SLO-2					
S9-10	SLO-1	<i>Women and their access to nutrition, health, education and community resources and their impact in female mortality and fertility</i>	<i>visible and invisible work</i>	<i>Wage differentials in female activities</i>	<i>Role of new technologies for helping women</i>	<i>affirmative action for women and improvement in their economic and social status</i>
	SLO-2					
S-11	SLO-1	<i>Feminist criticism of development indices</i>	<i>economically and socially productive work</i>	<i>Determinants of Wage differentials: gender, education, skill productivity</i>	<i>Role of new technologies for helping women</i>	<i>Gender and development indices</i>
	SLO-2					
S-12	SLO-1	<i>Feminist criticism of development indices</i>	<i>Women in pre-industrial and industrial societies</i>	<i>Determinants of Wage differentials: efficiency, opportunity</i>	<i>Provision of information and training for simple harvesting of economics services</i>	<i>Gender planning techniques</i>
	SLO-2					<i>Gender sensitive governance</i>
S-13	SLO-1	<i>theories of gender inequality</i>	<i>female contribution to national income</i>	<i>Structures of wages across regions and economic sectors</i>	<i>Provision of information and training for simple harvesting of economics services</i>	<i>Paradigm shifts from women's well being to women's empowerment</i>
	SLO-2					
S14-15	SLO-1	<i>theories of gender inequality</i>	<i>female contribution to national income</i>	<i>Structures of wages across regions and economic sectors</i>	<i>Provision of information and training for simple harvesting of economics services</i>	<i>Democratic decentralization(Panchayats) and women's empowerment in India</i>
	SLO-2					

Learning Resources/ Reference books	1. Boserup E. (1970), Women's Role in Economic Development, George Allen and Unwin, London.	4. Krishnaraj, M., R.M. Sudarshan and A. Shariff (1999), Gender, Population and Development, Oxford University Press, New Delhi.
	2. Desai, N. and M.K. Raj. (Eds.) (1979), Women and Society in India, Research Centre for Women Studies, SNDT University, Bombay.	5. Seth, M. (2000), Women and Development: The Indian Experience, Sage Publications, New Delhi.
	3. Government of India (1974), Towards Equality – Report of the Committee on the Status of Women in India, Department of Social Welfare, Ministry of Education and Social Welfare, New Delhi.	6. Srinivasan K. and A. Shroff (1998), India : Towards Population and Development, Oxford University Press, New Delhi.

	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
Level 3	Evaluate	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
3. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	4. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 5. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	7. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 8. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 9. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 10. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23G07T	Course Name	LAW AND ECONOMICS	Course Category	G	Generic Elective Course	L	T	P	O	C
							4	0	0	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	ECONOMICS			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:		Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Study the relation between Law and Economics			1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Learn the law related to consumer activities			Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLR-3 :	Learn the law of business organisations																				
CLR-4 :	Study the law of economic offences																				
CLR-5 :	Study about distribution of wealth & Learn about FEMA																				
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																			
CLO-1 :	Understand the judicial system in India			2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H
CLO-2 :	Have awareness on consumer protection			2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H
CLO-3 :	Understand the Economics of mergers, amalgamations and takeovers			2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H
CLO-4 :	Have a knowledge of criminal law			2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H
CLO-5 :	Understand the importance of progressive taxation & Understand the international aspects of law			2	80	75	H	M	M	L	L	L	L	L	L	L	L	L	L	L	H

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
15		15	15	15	15	15
S-1	SLO-1	What is law	Bargaining Theory	Structure of firm-Kinds	The traditional theory of Criminal law	Property rights
S-2	SLO-2					
S-3	SLO-1	Some important schools of thought	Economic Theory of contract	Corporation	The traditional theory of Criminal law	Distribution of income and Law
S-4	SLO-2					
S-5	SLO-1	Law and economics as an alternative theory of jurisprudence	Remedies as incentives	Corporate vest	Economic Theory of Crime and punishment	Economic and Social costs of poverty
S-6	SLO-2					
S-7	SLO-1	Basic framework of analysis	Duress	Capital, shares	Economic Theory of Crime and punishment	Economics of Social Sector
S-8	SLO-2					
S-9	SLO-1	broad conclusions and implications of economic analysis of law	Tort Law, Tort Liability and economic models	debentures	Reforms of Criminal Procedure and Futility Theses	Wealth Distribution by liability Rules
S-10	SLO-2					
S-11	SLO-1	Economic concepts and their relevance to law	Tort Law, Tort Liability and economic models	insiders' trading	Reforms of Criminal Procedure and Futility Theses	Progressive Taxation and Efficiency
S-12	SLO-2					
S-13	SLO-1	Legal concepts	Tort Law, Tort Liability and economic models	insiders' trading	Reforms of Criminal Procedure and Futility Theses	Progressive Taxation and Efficiency
S-14	SLO-2					
S-15	SLO-1	Civil law tradition and Common law tradition	economics of accidents	Anti Trust; RBI, IRDA, MRTP, SEBI	Law relating to economic offences	National and Global Environmental problems
S-16	SLO-2					
S-17	SLO-1	Introduction to judicial system in India	economics of accidents	Anti Trust; RBI, IRDA, MRTP, SEBI	Law relating to economic offences	National and Global Environmental problems
S-18	SLO-2					
S-19	SLO-1	Economic approach to legal rules	economics of accidents	Anti Trust; RBI, IRDA, MRTP, SEBI	Law relating to economic offences	W.T. O
S-20	SLO-2					

Duration (hour)		Learning Unit / Module 1	Learning Unit / Module 2	Learning Unit / Module 3	Learning Unit / Module 4	Learning Unit / Module 5
		15	15	15	15	15
S-11	SLO-1	Methodological aspects of legal rules	fault, victim and strict liability	Economics of mergers	Law relating to economic offences	TRIPS and TRIMS
	SLO-2					
S-12	SLO-1	Efficiency, justice and inherent rationality of private law	fault, victim and strict liability	Economics of mergers	Law relating to economic offences	TRIPS and TRIMS
	SLO-2					
S-13	SLO-1	Efficiency, justice and inherent rationality of private law	fault, victim and strict liability	Economics of mergers	Corruption and Human rights	export-import Policy
	SLO-2					
S-14	SLO-1	Development of efficient rules: Selected cases	consumer protection and consumer Courts	Amalgamations and takeovers	Corruption and Human rights	MNCS and Foreign Direct investment
	SLO-2					
S-15	SLO-1	Development of efficient rules: Selected cases	consumer protection and consumer Courts	Amalgamations and takeovers	Corruption and Human rights	FEMA
	SLO-2					

Learning Resources/ Reference books	1. Bouckaert, B and G.DeGeest (Ed). (1999) Encyclopaedia of Law and Economics (Volume I to V) Edward Elgar Publishing Ltd., UK.	6. Posner, R.A. (1998), Economic Analysis of Law (5th edition), Little Brown, Boston.
	2. Cooter, R.D. and T.S. Ulen (Ed) (2000). Law and Economics (3rd Edition), Addison Wesley, New York.	7. Posner, R.A. and F. Parist (Eds). (1997), Law and Economics, Edward.
	3. Dan Schmidt, K.G. And T.S. Ulen (2000), Law and Economics, (3rd Edition) Addison Wesley, New York.	8. Elgar Publishing Ltd., UK. Masseyu, L.P. (1995), Administrative Law, Eastern Book Company.
	4. Newman, P. (Ed) (1998), The New palgrave dictionary of Economic and Law, Stockton Pre York.	9. Lucknow Indian Law institute, Annual Survey of Indian Law, Indian Law institute, New Delhi.
	5. Oliver J.M. (1979), Law and Economics, George Allen and Unwin, London.	

	Bloom’s Level of Thinking	Continuous Learning Assessment (50% weightage)								Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (10%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	40%	-	40%	-	40%	-	40%	-	40%	-
	Analyze										
Level 3	Evaluate	30%	-	30%	-	30%	-	30%	-	30%	-
	Create										
	Total	100 %		100 %		100 %		100 %		100 %	

#CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
1. Mr. Naveen Prakash, Director, Global Logistics Solutions India Pvt. Ltd., Nungambakkam, Chennai.	1. Dr. P. G. Babu, Director, Madras Institute of Development Studies, 79, II Main Road, Gandhi Nagar, Adyar, Chennai. 2. Dr. Merlin Juliat Arulthangam, Associate Professor, Department of Economics, Madras Christian College, East Tambaram, Chennai.	1. Dr. A. Duraisamy, Professor & Dean, CSH, SRMIST, KTR. 2. Dr. K. Selvasundaram, Associate Professor & Head, Dept. of CS & AF, CSH, SRMIST, KTR. 3. Mrs. J. Ramadevi, Asst. Professor, Dept. of CS & AF, CSH, SRMIST, KTR. 4. Dr. Liji Lakshmanan T., Asst. Professor, Dept. of Economics, CSH, SRMIST, KTR.

Course Code	UEY23P06L	Course Name	PROJECT PHASE – II	Course Category	IAPC	Internship/Apprenticeship Project/ Community Outreach	L	T	P	O	C
							0	0	12	2	6

Pre-requisite Courses	PROJECT PHASE – I	Co-requisite Courses	Nil	Progressive Courses	Nil
-----------------------	-------------------	----------------------	-----	---------------------	-----

Course Offering Department	ECONOMICS	Data Book / Codes/Standards	Nil
----------------------------	-----------	-----------------------------	-----

Course Learning Rationale (CLR):		The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1 :	To give idea about research project		1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	To identify the research problem		Bloom	Proficiency (%)	Attainment (%)	Knowledge	Concepts	Disciplines	Knowledge	Application	Knowledge	Learning	Data	Skills	Skills	Skills	Skills	Skills	Skills	Skills
CLR-3 :	To review of literature																			
CLR-4 :	To give idea about data collection																			
CLR-5 :	To give knowledge on statistical tools																			

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	Application of Concepts	Link with Related Disciplines	Procedural Knowledge	Skills in Specialization	Ability to Utilize Knowledge	Skills in Modelling	Analyze, & Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	ICT Skills	Leadership Skills	Life Long Learning
CLO-1 :	Gained knowledge about research project	2	80	75	H	H	M	H	M	H	-	-	H	H	-	-	-	-	H
CLO-2 :	Increased knowledge on research problem	2	80	70	H	H	M	H	M	H	-	-	H	H	-	-	-	-	H
CLO-3 :	Improved practice in review of literature	2	75	70	H	H	M	H	M	H	-	-	H	-	-	M	-	-	H
CLO-4 :	Well versed in data collection	2	80	75	H	H	M	H	M	H	-	-	H	-	M	H	-	-	H
CLO-5 :	Gained knowledge on statistical tools and Proficiency in project preparation	2	80	70	H	H	M	H	M	H	H	H	H	-	-	H	-	-	H

Duration (hour)		12
S-1 to S- 12	SLO-1	Topic selection
	SLO-2	
S-13 to S 24	SLO-1	Review of literature
	SLO-2	
S-25 to S 36	SLO-1	Research design
	SLO-2	
S-36 to S -48	SLO-1	Data Collection and analysis

	SLO-2	
S-49 to S-60	SLO-1	Interpretation and conclusion
	SLO-2	

GUIDELINES

1. Project report is the compulsory component of the syllabus to bridge the gap between theory and practice.
2. The field of specialization is any field applying Economics.
3. The project work should be neatly presented in not less than 60 pages and not more than 100 pages
4. Paper Size should be A4
5. 1.5 spacing should be used for typing the general text. The general text shall be justified and typed in the Font style - Font: Arial / Font Size: 12 for text)
6. Subheading shall be typed in the Font style (Font: Arial / Font Size: 14 for headings) The report should be professionally prepared.
7. The candidate should submit periodical report of the project to the supervisor.
8. Two reviews will be conducted before the Viva Voce
9. Each candidate should submit hardcopy (3 copies) and a soft copy in CD to the Department. After the Evaluation of the project report one hard copy will be returned to the candidate
10. The group project report can be submitted by the students and a maximum of 3 students in one group

EVALUATION SCHEME

Project Evaluation and viva voce – Internal Examiner – 50Marks

Project Evaluation and viva voce – External Examiner – 50 Marks

TOTAL MARKS - 100 Marks

If a candidate fails to submit the Project Work or fails to appear for the Viva Voce Examination then the Candidate should submit or appear only in the next Viva Voce Examination

Learning Assessment				
Project Work / Internship	Continuous Learning Assessment (50% weightage)		Final Evaluation (50% weightage)	
	Review – 1	Review – 2	Project Report	Viva-Voce
	20%	30%	30%	20%

Course Designers		
Expert from Industry	Experts from Academic	Internal Experts
		1.Dr. K. Selvasundaram, Head-Dept. Of CS & AF, FSH, SRM IST, Kattankulathur

SEMESTER – II

Course Code	UCD23P01L	Course Name	Internship Report – I	Course Category	IAP C	Internship/Apprenticeship / Project/ Community Outreach	L	T	P	O	C
							0	0	8	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Economics		Data Book / Codes/Standards	Nil	

Course Learning Rationale (CLR):	The purpose of learning this course is to,	Learning	Program Learning Outcomes (PLO)
---	--	----------	---------------------------------

CLR-1 : Demonstrate skills learnt in the real time environment.		Level of Thinking	Expected Proficiency	Expected Attainment	1	2	3												
CLR-2 : Explore the different industries that are using Economic tools																			
CLR-3 : Enhance the skills in the Econometric aspects																			
CLR-4 : Understanding the professional connections with the knowledge learnt																			
CLR-5 : Applying the skills in problem solving																			
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																	
CLO-1 :	To get an inside view of an industry and organization/company	3	80	70	Disciplinary	Critical Thinking	Problem Solving	Analytical Reasoning	Research Skills	Team Work	Scientific Reasoning	Reflective Thinking	Self-Directed Learning	Multicultural	Ethical Reasoning	Community	ICT Skills	Leadership Skills	Life Long Learning
CLO-2 :	To gain valuable skills and knowledge	3	85	75	L	H	M	H	L	M	L	L	L	L	L	H	M	L	L
CLO-3 :	To make professional connections and enhance networking	3	75	70	M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
CLO-4 :	To get experience in a field to allow the student to make a career transition	3	85	80	M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
CLO-5 :	To get an inside view of an industry and organization/company	3	85	75	H	H	M	H	L	M	M	M	M	L	M	M	M	L	L

Students can choose a company of their own interest for internship for a period of minimum TEN weeks (Part-time) to learn about the application of their related field in real time environment. All students have to give a presentation about their observations made by them in internship as per the schedule given. At the end of the internship period, every student shall submit a structured internship report within 15 days from the date of the completion of the internship period.

Learning Assessment			
internship	Continuous Learning Assessment (50% weightage)		Final Evaluation (50% weightage)
	Review – 1	Review – 2	Project Report
	20%	30 %	Viva-Voce
			20 %

Course Code	UCD23P02L	Course Name	Project Work – I	Course Category	IAP C	Internship/Apprenticeship / Project/ Community Outreach	L 0	T 0	P 8	O 2	C 4
-------------	-----------	-------------	------------------	-----------------	-------	---	--------	--------	--------	--------	--------

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Economics		Data Book / Codes/Standards	Nil	

Course Learning Rationale (CLR):	The purpose of learning this course is to,	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Demonstrate skills learnt in the real time environment.
CLR-2 :	Explore the different industries that are using Economic tools
CLR-3 :	Enhance the skills in the Econometric aspects
CLR-4 :	Understanding the professional connections with the knowledge learnt
CLR-5 :	Applying the skills in problem solving

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking	Expected Proficiency	Expected Attainment
CLO-1 :	To get an inside view of an industry and organization/company	3	80	70
CLO-2 :	To gain valuable skills and knowledge	3	85	75
CLO-3 :	To make professional connections and enhance networking	3	75	70
CLO-4 :	To get experience in a field to allow the student to make a career transition	3	85	80
CLO-5 :	To get an inside view of an industry and organization/company	3	85	75

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research Skills	Team Work	Scientific Reasoning	Reflective Thinking	Self-Directed Learning	Multicultural	Ethical Reasoning	Community	ICT Skills	Leadership Skills	Life Long Learning
L	H	M	H	L	M	L	L	L	L	L	H	M	L	L
M	H	H	M	L	M	L	L	M	L	L	H	M	L	L
M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
H	H	M	H	L	M	M	M	M	L	M	M	M	L	L

Students can choose a topic of their own interest to undertake a Project work using economic theories, concepts, and tools available. Two reviews will be conducted during the project period for all the students .At the end of the project, every student shall submit a structured project report and will take a Viva Voce examination.

Learning Assessment				
internship	Continuous Learning Assessment (50% weightage)			Final Evaluation (50% weightage)
	Review – 1	Review – 2		Project Report
	20%	30 %		30 %
				Viva-Voce
				20 %

Course Code	UCD23P03L	Course Name	Apprenticeship – I	Course Category	IAP C	Internship/Apprenticeship / Project/ Community Outreach	L	T	P	O	C
							0	0	8	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Economics	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to,	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Demonstrate skills learnt in the real time environment.	1	2	3
CLR-2 :	Explore the different industries that are using Economic tools			
CLR-3 :	Enhance the skills in the Econometric aspects			
CLR-4 :	Understanding the professional connections with the knowledge learnt			
CLR-5 :	Applying the skills in problem solving			

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking	Expected Proficiency	Expected Attainment
CLO-1 :	To get an inside view of an industry and organization/company	3	80	70
CLO-2 :	To gain valuable skills and knowledge	3	85	75
CLO-3 :	To make professional connections and enhance networking	3	75	70
CLO-4 :	To get experience in a field to allow the student to make a career transition	3	85	80
CLO-5 :	To get an inside view of an industry and organization/company	3	85	75

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Disciplinary	Critical Thinking	Problem Solving	Analytical Reasoning	Research Skills	Team Work	Scientific Reasoning	Reflective Thinking	Self-Directed Learning	Multicultural	Ethical Reasoning	Community	ICT Skills	Leadership Skills	Life Long Learning
L	H	M	H	L	M	L	L	L	L	L	H	M	L	L
M	H	H	M	L	M	L	L	M	L	L	H	M	L	L
M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
H	H	M	H	L	M	M	M	M	L	M	M	M	L	L

Students can choose a company of their own interest for Apprenticeship for a period of minimum TEN weeks (Part-time) to learn about the application of their related field in real time environment. All students have to give a presentation about their observations made by them in internship as per the schedule given. At the end of the internship period, every student shall submit a structured internship report within 15 days from the date of the completion of the internship period.

Learning Assessment				
internship	Continuous Learning Assessment (50% weightage)			Final Evaluation (50% weightage)
	Review – 1	Review – 2		Project Report
	20%	30 %		Viva-Voce
				20 %

SEMESTER – IV

Course Code	UCD23P04L	Course Name	Internship Report – II	Course Category	IAP C	Internship/Apprenticeship / Project/ Community Outreach	L	T	P	O	C
							0	0	8	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Economics	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to,	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Demonstrate skills learnt in the real time environment.
CLR-2 :	Explore the different industries that are using Economic tool
CLR-3 :	Enhance the skills in the Econometric aspects
CLR-4 :	Understanding the professional connections with the knowledge learnt
CLR-5 :	Applying the skills in problem solving

1	2	3
Level of Thinking	Expected Proficiency	Expected Attainment

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:			
CLO-1 :	To get an inside view of an industry and organization/company	3	80	70
CLO-2 :	To gain valuable skills and knowledge	3	85	75
CLO-3 :	To make professional connections and enhance networking	3	75	70
CLO-4 :	To get experience in a field to allow the student to make a career transition	3	85	80
CLO-5 :	To get an inside view of an industry and organization/company	3	85	75

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research Skills	Team Work	Scientific Reasoning	Reflective Thinking	Self-Directed Learning	Multicultural	Ethical Reasoning	Community	ICT Skills	Leadership Skills	Life Long Learning
L	H	M	H	L	M	L	L	L	L	L	H	M	L	L
M	H	H	M	L	M	L	L	M	L	L	H	M	L	L
M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
H	H	M	H	L	M	M	M	M	L	M	M	M	L	L

Students can choose a company of their own interest for internship for a period of minimum TEN weeks (Part-time) to learn about the application of their related field in real time environment. All students have to give a presentation about their observations made by them in internship as per the schedule given. At the end of the internship period, every student shall submit a structured internship report within 15 days from the date of the completion of the internship period.

Learning Assessment			
internship	Continuous Learning Assessment (50% weightage)		Final Evaluation (50% weightage)
	Review – 1	Review – 2	Project Report
	20%	30 %	Viva-Voce
			20 %

Course Code	UCD23P05L	Course Name	Project Work – II	Course Category	IAP C	Internship/Apprenticeship / Project/ Community Outreach	L	T	P	O	C
							0	0	8	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Economics	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to,	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Demonstrate skills learnt in the real time environment.	1	2	3
CLR-2 :	Explore the different industries that are using Economic tools			
CLR-3 :	Enhance the skills in the Econometric aspects			
CLR-4 :	Understanding the professional connections with the knowledge learnt			
CLR-5 :	Applying the skills in problem solving			

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking	Expected Proficiency	Expected Attainment
CLO-1 :	To get an inside view of an industry and organization/company	3	80	70
CLO-2 :	To gain valuable skills and knowledge	3	85	75
CLO-3 :	To make professional connections and enhance networking	3	75	70
CLO-4 :	To get experience in a field to allow the student to make a career transition	3	85	80
CLO-5 :	To get an inside view of an industry and organization/company	3	85	75

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research Skills	Team Work	Scientific Reasoning	Reflective Thinking	Self-Directed Learning	Multicultural	Ethical Reasoning	Community	ICT Skills	Leadership Skills	Life Long Learning
L	H	M	H	L	M	L	L	L	L	L	H	M	L	L
M	H	H	M	L	M	L	L	M	L	L	H	M	L	L
M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
H	H	M	H	L	M	M	M	M	L	M	M	M	L	L

Students can choose a topic of their own interest to undertake a Project work using economic theories, concepts, and tools available. Two reviews will be conducted during the project period for all the students .At the end of the project, every student shall submit a structured project report and will take a Viva Voce examination.

Learning Assessment				
internship	Continuous Learning Assessment (50% weightage)		Final Evaluation (50% weightage)	
	Review – 1	Review – 2	Project Report	Viva-Voce
	20%	30 %	30 %	20 %

Course Code	UCD23P06L	Course Name	Apprenticeship – II	Course Category	IAP C	Internship/Apprenticeship / Project/ Community Outreach	L	T	P	O	C
							0	0	8	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Economics	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to,	Learning	Program Learning Outcomes (PLO)
----------------------------------	--	----------	---------------------------------

CLR-1 :	Demonstrate skills learnt in the real time environment.
CLR-2 :	Explore the different industries that are using Economic tools
CLR-3 :	Enhance the skills in the Econometric aspects
CLR-4 :	Understanding the professional connections with the knowledge learnt
CLR-5 :	Applying the skills in problem solving

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking	Expected Proficiency	Expected Attainment
CLO-1 :	To get an inside view of an industry and organization/company	3	80	70
CLO-2 :	To gain valuable skills and knowledge	3	85	75
CLO-3 :	To make professional connections and enhance networking	3	75	70
CLO-4 :	To get experience in a field to allow the student to make a career transition	3	85	80
CLO-5 :	To get an inside view of an industry and organization/company	3	85	75

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research Skills	Team Work	Scientific Reasoning	Reflective Thinking	Self-Directed Learning	Multicultural	Ethical Reasoning	Community	ICT Skills	Leadership Skills	Life Long Learning
L	H	M	H	L	M	L	L	L	L	L	H	M	L	L
M	H	H	M	L	M	L	L	M	L	L	H	M	L	L
M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
H	H	M	H	L	M	M	M	M	L	M	M	M	L	L

Students can choose a company of their own interest for Apprenticeship for a period of minimum TEN weeks (Part-time) to learn about the application of their related field in real time environment. All students have to give a presentation about their observations made by them in internship as per the schedule given. At the end of the internship period, every student shall submit a structured internship report within 15 days from the date of the completion of the internship period.

Learning Assessment				
internship	Continuous Learning Assessment (50% weightage)			Final Evaluation (50% weightage)
	Review – 1		Review – 2	Project Report
	20%		30 %	Viva-Voce
				20 %



Department of Economics